



Effects of exposure to diesel exhaust during pregnancy on feto-placental and offspring development using a rabbit model

Pascale Chavatte-Palmer

► To cite this version:

Pascale Chavatte-Palmer. Effects of exposure to diesel exhaust during pregnancy on feto-placental and offspring development using a rabbit model. 66. Annual Scientific Meeting of the Society for Reproductive Investigation, Society for Reproductive Investigation., Mar 2019, Paris, France. hal-02077532

HAL Id: hal-02077532

<https://hal.science/hal-02077532>

Submitted on 5 Jun 2020

HAL is a multi-disciplinary open access archive for the deposit and dissemination of scientific research documents, whether they are published or not. The documents may come from teaching and research institutions in France or abroad, or from public or private research centers.

L'archive ouverte pluridisciplinaire **HAL**, est destinée au dépôt et à la diffusion de documents scientifiques de niveau recherche, publiés ou non, émanant des établissements d'enseignement et de recherche français ou étrangers, des laboratoires publics ou privés.

FINAL PROGRAM



— *From Innovation to Impact* —

Society for Reproductive Investigation

66th Annual Scientific Meeting

March 12 - 16, 2019

PARIS, FRANCE

*The SRI 66th Annual Scientific Meeting has been accredited by the
European Accreditation Council for Continuing Medical Education (EACCME®)*

Table of Contents

Message from the SRI President	1
2019 Program Committee	2
General Meeting Information	3
Meeting Attendance Code of Conduct Policy	4
Schedule-at-a-Glance	5
Meeting Information and Social Events	6
Exhibitors	7
Palais des Congrès de Paris Floor Plan	8
Hyatt Regency Paris Étoile Floor Plan	9
Continuing Medical Education Information	11
Scientific Program	12
Thank You to Our 2019 Poster Judges	55
SRI Grant Opportunities	56
2019 Awards	57
About SRI	59
SRI Council & Staff	61
Poster Guide	62
Oral and Poster Abstract Author Index	108
Notes	133
SRI Thanks Its 2019 Supporters	Inside Back Cover
Save the Date: SRI 2020 Annual Meeting	Back Cover

SRI 66th Annual Scientific Meeting Venue

Palais des Congrès de Paris
2 Place de la Porte Maillot
75853 Paris Cedex 17
Phone: +33 (0)1 40 68 22 22

SRI 66th Annual Scientific Meeting Host Hotel

Hyatt Regency Paris Étoile
3, Place du Général Kœnig
Paris, 75017, FR
Phone: +33 (0)1 40 68 12 34

Future SRI Annual Scientific Meetings

SRI 67th Annual Scientific Meeting • Vancouver, BC, Canada • March 10 – 14, 2020
SRI 68th Annual Scientific Meeting • Boston, MA • March 23 – 27, 2021
SRI 69th Annual Scientific Meeting • Denver, CO • March 15 – 19, 2022
SRI 70th Annual Scientific Meeting • Brisbane, Australia • March 21 – 25, 2023

Society for Reproductive Investigation

555 East Wells Street, Suite 1100
Milwaukee, WI 53202-3823
Phone: +1-414-918-9888
Fax: +1-414-276-3349
Email: info@sri-online.org
Website: www.sri-online.org



© Society for Reproductive Investigation. All Rights Reserved.

Message from the SRI President

Dear Colleagues,

Welcome to the 66th Annual Meeting of the Society for Reproductive Investigation (SRI), which is being held from Tuesday, March 12th to Saturday, March 16th in Paris, France. This will be the third Annual Meeting held outside of North America and builds upon our successful meetings in Glasgow and Florence.

We have chosen the theme of “From Innovation to Impact.” This highlights the Society’s dedication not only to world-class innovation in basic research and translational medicine, but also to improvements in women’s reproductive health and healthcare.



With Sarah England, PhD as Program Director, we have developed an outstanding programme that includes two Presidential Distinguished Lecturers, the President’s New Investigator Plenary Session, sponsored by the SRI Past Presidents’ Fund, 24 concurrent oral sessions and 12 mini symposia. We have an exciting programme of Lunch and Learn sessions including one dedicated to the exciting topic of genome editing and the future of reproduction.

Our first Presidential Distinguished Lecturer is Dennis Lo, FRS, Associate Dean (Research) of the Faculty of Medicine, the Director of the Li Ka Shing Institute of Health Sciences and Chairman of the Department of Chemical Pathology of The Chinese University of Hong Kong. He will be speaking on the “Plasma Nucleic Acids in Health and Disease.” On Thursday, March 14th at 8:00 a.m.

Our second Presidential Distinguished Lecturer, Edith Heard, FRS, Director General of the European Molecular Biology Laboratory (EMBL) and leader of the Mammalian Developmental Epigenetics team at the Institut Curie, will speak on Friday, March 15th at 8:00 a.m. Her talk is entitled “Exploring Epigenetic Dynamics During Mammalian Development Using X-chromosome Inactivation”.

In addition to the scientific sessions, we also host Career Development activities including an afternoon Career Development Workshop on Tuesday, followed by Mentor-in-a-Cloud, a New Investigator Forum and a Mid-Career Development Session on Wednesday. We will continue our highly successful Connection Corners on Thursday evening. Finally, the traditional satellites will continue to fill Wednesday.

We received a record number of over 40 submissions for mini symposia ideas. They have been distilled by Sarah into 12 exciting mini symposia that include complementary parts of all the submissions with a great balance of investigators from 10 different geographical bases. It is clearly going to be an outstanding meeting.

We hope that you have time to relax and enjoy the wonderful cultural delights of Paris – while still getting to the meeting on time the next day! Also, the news that you have all been waiting for: the band is back together again – we once again have The Featles (European tour) which will be on Friday night after the Presidential Address. Enjoy the entertainment that will include some songs from my hometown of Liverpool.

On behalf of the SRI Council, Program Committee and Staff, thank you all for attending the outstanding meeting that we have planned for you, so celebrate and connect with your colleagues and friends at SRI.

Yours,

A handwritten signature in black ink, which appears to read "M. Mitchell". The signature is stylized and cursive.

Murray Mitchell, DPhil, DSc
SRI President, 2018-2019

2019 Program Committee

Program Committee Chair

Emre Seli, MD

Yale School of Medicine

2019 Program Director

Sarah England, PhD

Washington University School of Medicine

Elizabeth Ann Bonney, MD, MPH

University of Vermont

Irina Burd, MD, PhD

Johns Hopkins University

Marilyn J. Cipolla, PhD

University of Vermont

Charles Ducsay, PhD

Loma Linda University

Thomas Jansson, MD, PhD

University of Colorado

Murray D. Mitchell, DPhil, DSc

Queensland University of Technology

Leslie Myatt, PhD, FRCOG

Oregon Health and Science University

Bo Rueda, PhD

MGH / Harvard Medical School

Floor Spaans, PhD

University of Alberta

James Segars, MD

Johns Hopkins University School of Medicine



General Meeting Information

Meeting Description

The SRI Annual Meeting gathers leading scientists and clinical investigators annually to share cutting-edge information in reproductive sciences and women's health. The 66th Annual Meeting will feature an exciting lineup of distinguished speakers, 12 mini-symposia sessions, several new investigator events, career development sessions, and excellent scientific oral and poster presentations.

Meeting Location

Palais des Congrès de Paris

2 Place de la Porte Maillot

75853 Paris Cedex 17

Phone: +33 (0)1 40 68 22 22

Host Hotel

Hyatt Regency Paris Étoile

3, Place du Général Kœnig

Paris, 75017, FR

Phone: +33 (0)1 40 68 12 34

Meeting Objectives

- Provide attendees with state-of-the-art knowledge in the reproductive sciences and women's health research fields.
- Gain insight into future directions from critical analysis of investigative findings.
- Distinguished lectures and symposia will provide a focused format that fosters more meaningful dialogue among clinicians and researchers.
- Connect and network with international leaders who are advancing the scientific study of reproductive and women's health.

Target Audience

Scientists and clinical investigators who conduct basic, translational and clinical investigation in reproductive sciences and women's health.

Authorship Policy

All authors connected to a presentation and/or abstract must agree on all information contained in the presentation. Failure of an author to agree to the presentation format will lead to the presentation being withdrawn from the conference.

An author who submits a presentation to the Annual Meeting must have intentions of attending, registering, and presenting at the meeting once the submission is accepted into the program. Repeated or consecutive last-minute cancellations by presenters may result in future submissions being denied.

Photography Disclaimer

By registering for the SRI Annual Meeting, you give consent to be photographed by SRI staff for purposes of advertising and public display.

Session Recording and Photos

Session content is copyright-protected by SRI. Recording of any session without the consent of SRI is prohibited. Any recording done with consent of SRI is for personal use only and cannot be reproduced or distributed. Please refrain from taking photos of the presenter or the presentations as it is disruptive and the flash is distracting.

No Smoking Policy

Smoking is not permitted during any SRI activity or event.

Website

For more information on the Society for Reproductive Investigation, visit our website at www.sri-online.org.

Meeting Attendance Code of Conduct Policy

By attending any SRI event, you agree voluntarily to abide by our code of conduct:

We value your attendance, and want to make your experience as productive and professionally stimulating as possible.

Expected Behavior:

- Please communicate openly with respect and consideration for others, valuing a diversity of views and opinions.
- Avoid personal attacks directed toward other attendees, participants, volunteers, exhibitors, staff and suppliers/ vendors.
- Turn off any ringers or otherwise disrupting devices during oral or poster sessions.
- Request permission from speakers before recording or taking photographs during their presentation.
- Photos are not to be taken of posters either during or outside of poster viewing hours, unless you have received permission from the author.
- Be mindful of your surroundings and your fellow participants. Alert staff if you notice a dangerous situation or someone in distress.
- Respect the rules and policies of the convention center, hotels, contracted facility, or any other venue.

Harassment and Safety:

SRI is dedicated to providing a collegial, safe, hospitable, and productive environment for everyone attending our events, regardless of ethnicity, religion, disability, physical appearance, gender, sexual orientation, marital status, educational background, ability status, political affiliation, or nationality. It is important to remember that a community where people feel uncomfortable or threatened is neither healthy nor productive.

Accordingly, SRI prohibits intimidating, threatening, or harassing conduct during our conferences. This policy applies to speakers, staff, volunteers, attendees and vendors. Conference participants violating these rules may be sanctioned or expelled from the conference, at the discretion of SRI.

Harassment of SRI participants will not be tolerated in any form. Harassment includes, but is not limited to, offensive gestures or verbal comments related to ethnicity, religion, disability, physical appearance, gender, sexual orientation, marital status, educational background, ability status, political affiliation, nationality, deliberate intimidation, stalking, following, harassing photography or recording, sustained disruption of talks or other events, inappropriate or unwanted physical contact or touching, unwelcome attention, or other disruptive or harassing behavior of any kind. Participants asked to stop any harassing behavior are expected to comply immediately.

If anyone subject to this policy engages in behavior which is harassing or in otherwise violation of this policy, SRI may take any action they deem appropriate, ranging from a simple warning to the offender to expulsion from a meeting without refund and/or future meetings and events, or such other action including notifying authorities. If you are the subject (or know someone who is the subject) of harassment or other violation of this policy, or have any other concerns, please do not hesitate to contact SRI staff who can work with appropriate SRI leadership to resolve or otherwise respond to the situation.

SRI staff will be happy to help participants contact convention center/hotel/venue security or local law enforcement, and otherwise assist those experiencing harassment, to enable them to feel safe for the duration of the conference.

Need to file a complaint? Please contact the SRI Executive Director, Anne Krolikowski, at akrolikowski@sri-online.org.

2019 Schedule-at-a-Glance

	Tuesday March 12	Wednesday March 13	Thursday March 14	Friday March 15	Saturday March 16
Morning	11:00 a.m. – 6:00 p.m. Registration	7:00 a.m. – 6:30 p.m. Registration 7:00 a.m. – 8:15 a.m. Mid-Career Session <i>*Coffee and croissants will be served</i> 8:30 a.m. – 12:00 p.m. Satellite Sessions	7:00 a.m. – 6:00 p.m. Registration 8:00 a.m. – 8:10 a.m. President's Welcome Address 8:10 a.m. – 9:00 a.m. President's Distinguished Lecture I - Dennis Lo, FRS 9:00 a.m. - 10:00 a.m. President's New Investigator Plenary - <i>Supported by the Past Presidents' Fund</i> 10:00 a.m. – 12:00 p.m. Poster Session I	7:00 a.m. – 6:00 p.m. Registration 7:00 a.m. – 8:00 a.m. SRI Business Meeting <i>*Breakfast will be served and ALL SRI Members are invited to attend.</i> 8:00 a.m. – 9:00 a.m. President's Distinguished Lecture II - Edith Heard, FRS 9:00 a.m. – 11:00 a.m. Poster Session II 11:00 a.m. – 12:30 p.m. Concurrent Oral Presentations II	7:00 a.m. – 1:00 p.m. Registration 8:00 a.m. – 10:00 a.m. Poster Session III 10:00 a.m. – 11:30 a.m. Concurrent Oral Presentations IV
Afternoon	1:00 p.m. – 5:45 p.m. Career Development Workshops 2:00 p.m. – 6:00 p.m. SRI Council Meeting	12:00 p.m. – 1:00 p.m. Diversity, Equity and Inclusion Forum <i>*Lunch will be served</i> 1:00 p.m. – 5:00 p.m. Satellite Sessions Continued 5:15 p.m. – 6:15 p.m. New Investigator Forum	12:00 p.m. – 1:30 p.m. Parallel Lunch and Learns 12:00 p.m. – 1:30 p.m. SRI Past President's Lunch (Invitation Only) 1:45 p.m. – 3:45 p.m. Mini Symposia I 3:45 p.m. – 4:00 p.m. Coffee Break 4:00 p.m. – 6:00 p.m. Concurrent Oral Presentations I	12:30 p.m. – 2:00 p.m. Parallel Lunch and Learns 2:15 p.m. – 4:15 p.m. Mini Symposia II 4:15 p.m. – 4:30 p.m. Coffee Break 4:30 p.m. – 6:00 p.m. Concurrent Oral Presentations III	11:30 a.m. – 1:00 p.m. Hot Topics and Awards Lunch 1:00 p.m. – 3:00 p.m. SRI Council Meeting
Evening	6:00 p.m. – 7:30 p.m. Mentor in a Cloud Networking Event	6:30 p.m. – 8:00 p.m. Welcome Reception	6:15 p.m. - 7:45 p.m. Connection Corners (Tickets Available at the Registration Desk)	6:15 p.m. - 8:15 p.m. President's Address and Awards Ceremony with French Wine and Cheese 8:30 p.m. - 11:00 p.m. The Beatles European Tour	

Meeting Information and Social Events

Speaker Ready Room

Open during Annual Meeting Hours on Tuesday, March 12 at 9:00 a.m. - Saturday, March 16 at 11:30 a.m.

ROOM 202/203 - PALAIS DES CONGRÉS

All Plenary, Mini-Symposia, Lunch and Learn, Workshop and Oral Session Speakers may upload their presentations in the Speaker Ready Room prior to your talk.

Welcome Reception

Wednesday, March 13 – 6:30 p.m. - 8:00 p.m.

REGENCY A+7 - HYATT REGENCY

Join us for socializing, drinks and light appetizers.

SRI Member Lounge

Open throughout the Annual Meeting on Thursday, March 14 at 8:00 am - Saturday, March 15 at 1:00 pm.

ROOM 243 - PALAIS DES CONGRÉS

All SRI Members are invited to the Member Lounge at the 66th Scientific Annual Meeting. The Member Lounge will be an area for you to meet with your colleagues, mentors, and mentees and to network with other SRI Members throughout the meeting.

Connection Corners

Thursday, March 14 – 6:15 p.m. - 7:45 p.m.

REGENCY 15 - HYATT REGENCY

A ticketed event for new investigators to meet and connect with mid-career and senior investigators about jobs, career advice or just some friendly banter. Drinks and light appetizers provided.

There will be a limited number of tickets available at the SRI Registration Desk.



Exhibitors

IQ Products BV

Rozenburglaan 13a
Gruningen, AE 9727 DL
Netherlands
marketing@iqproducts.nl

Reproductive Scientist Development Program (RSDP)

Washington University School of Medicine
425 South Euclid Avenue
Campus Box 8064, BJC-IH, 10th Floor
St. Louis, MO 63110
www.rsdw.wustl.edu

Wisepress Ltd

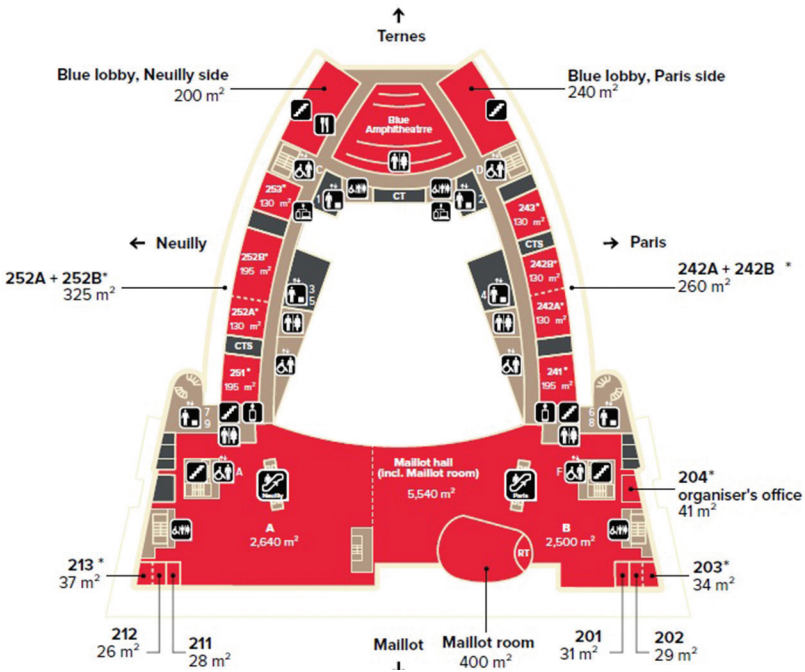
15 Lyon Road
Merton, SW19 2RL
London
www.wisepress.com



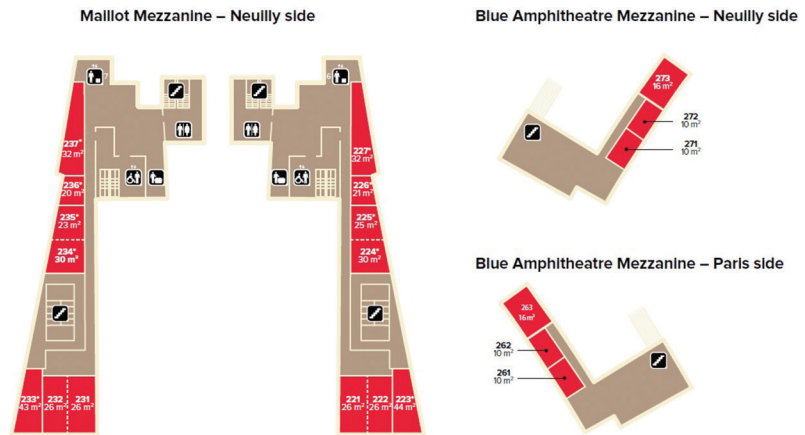
Browse or Post to SRI's Job Board
at **www.sri-online.org/jobs!**

Palais Des Congrès Floor Plans

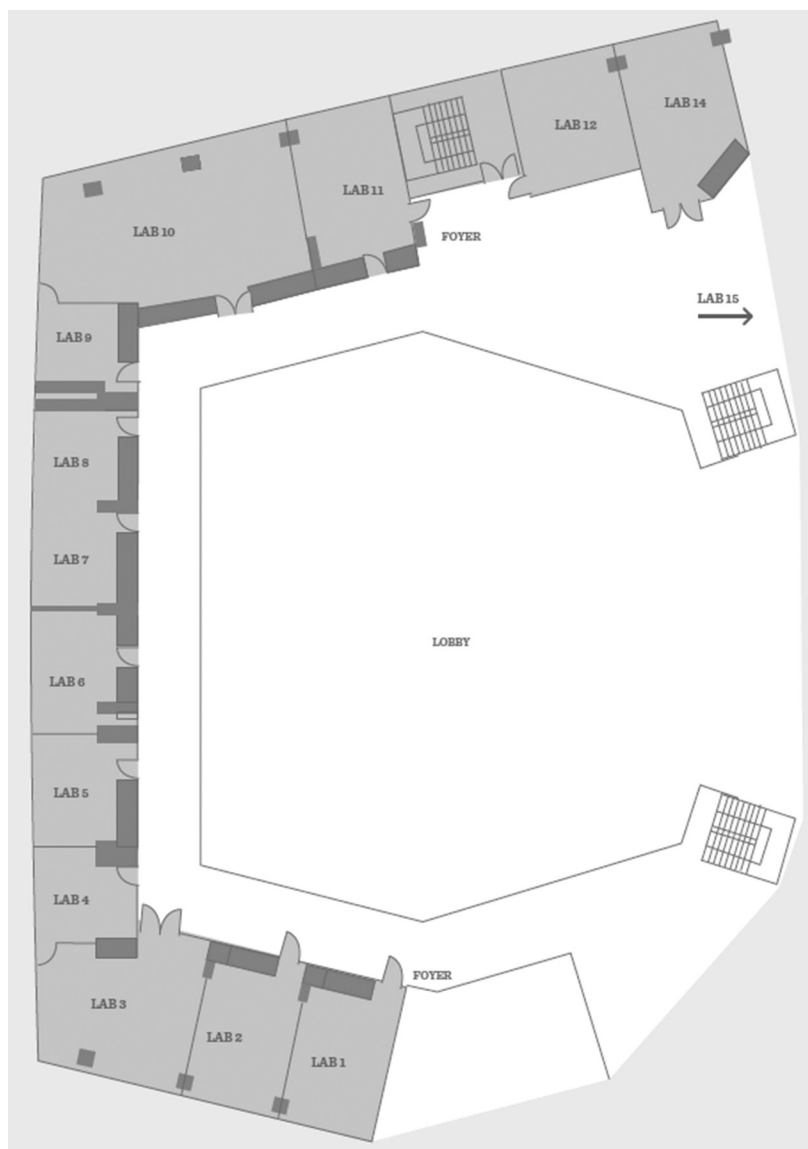
Level 2



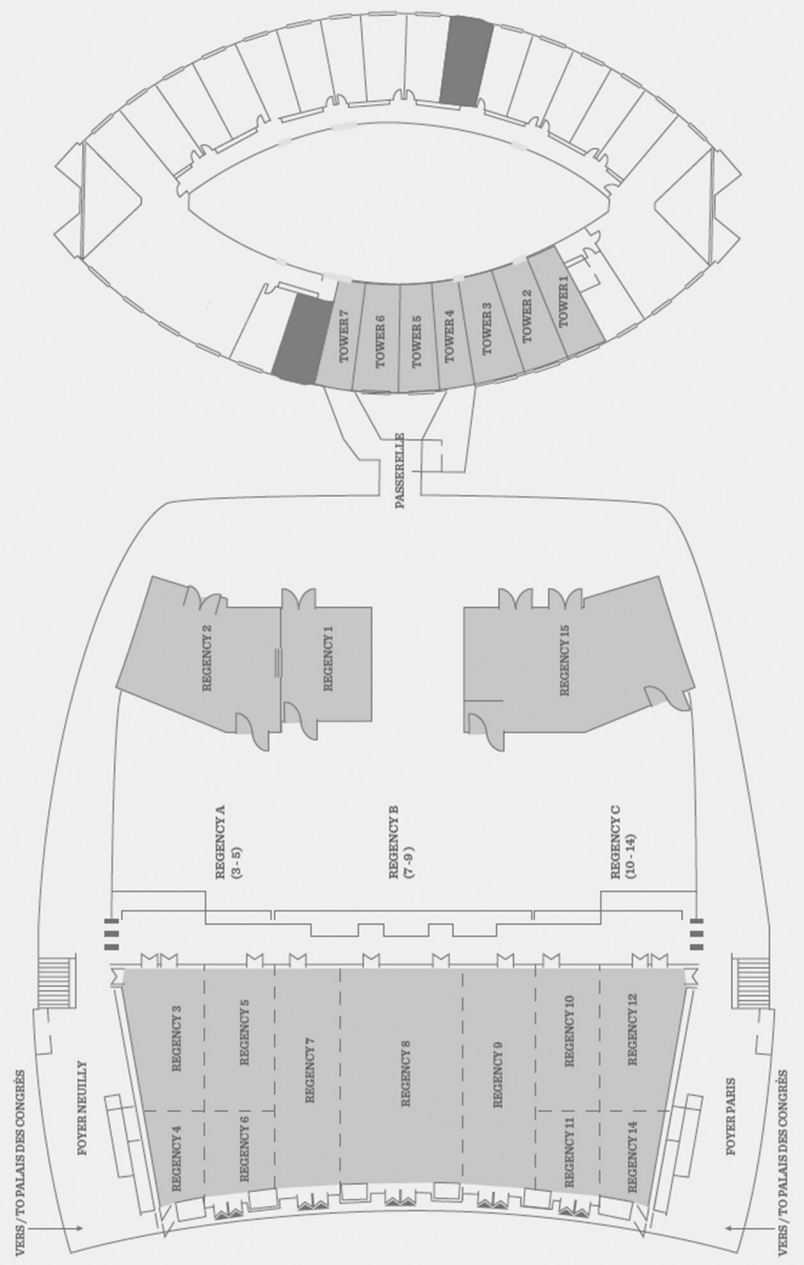
Level 2.5



Hyatt Regency Paris Étoile Maps



Hyatt Regency Paris Étolie Maps



Continuing Medical Education

Purpose

Provide an opportunity for physicians to receive updated information and solidify their knowledge of reproductive sciences and women's health.

Target Audience

Physicians and scientists who are involved in the evaluation and/or care of patients requiring reproductive health care. Participants should be clinicians or scientists who have backgrounds in the fields of obstetrics, perinatology, reproductive genetics, gynecology and gynecologic oncology, endocrinology, reproductive physiology, biochemistry, pharmacology, immunology, epidemiology, reproductive infectious disease, reproductive stem cell and developmental biology.

Learning Objectives

At the completion of the activity participants should be able to:

- Describe key research findings in reproductive sciences and how they have or will impact women's health.
- Recognize the translational value of new research to women's health and personalized medicine.
- Understand the underlying pathophysiology and mechanisms of disease within key areas of reproductive sciences and women's health.

EACCME® Accreditation

The Society for Reproductive Investigation (SRI) 66th Annual Scientific Meeting, Paris, France, 12/03/2019-16/03/2019 has been accredited by the European Accreditation Council for Continuing Medical Education (EACCME®) with **12** European CME credits (ECMEC®s). Each medical specialist should claim only those hours of credit that he/she actually spent in the educational activity.

Through an agreement between the Union Européenne des Médecins Spécialistes and the American Medical Association, physicians may convert EACCME® credits to an equivalent number of *AMA PRA Category 1 Credits™*. Information on the process to convert EACCME® credit to AMA credit can be found at www.ama-assn.org/education/earn-credit-participation-international-activities.

Live educational activities, occurring outside of Canada, recognised by the UEMS-EACCME® for ECMEC®s are deemed to be Accredited Group Learning Activities (Section 1) as defined by the Maintenance of Certification Program of the Royal College of Physicians and Surgeons of Canada.

The SRI 66th Annual Scientific Meeting is now posted in the list of accredited events: https://eaccme.uems.eu/Applications.aspx?type=1&__sys=1

EACCME® Credits

Each participant can only receive the number of credits he/she is entitled to according to his/her actual participation at the event once he/she has completed the feedback form. Cf. criteria 9 and 23 of UEMS 2016.20: https://eaccme.uems.eu/img/user/files/UEMS2016_20%20-%20EACCME%202%200%20CRITERIA%20FOR%20THE%20ACCREDITATION%20OF%20LEE.pdf

Scientific Program

Tuesday, March 12

11:00 a.m. – 6:00 p.m.

Registration

HALL MAILLOT - LEVEL 2 - PALAIS DES CONGRÈS

1:00 p.m. – 6:00 p.m.

Career Development Workshops

ROOM MAILLOT - PALAIS DES CONGRÈS

Workshop Chair: *Thomas Jansson, MD, PhD*

University of Colorado Anschutz Medical Campus

Moderators: *Janna Morrison, PhD*

Thomas Jansson, MD, PhD

1:00 p.m. – 1:45 p.m.

Alternative Careers: What are biotech and pharmaceutical companies looking for?

Marle Welling

Bayer

2:15 p.m. – 3:00 p.m.

From postdoc to Independence: The Secret Sauce

Sophie Petropoulos, PhD

Karolinska Institute

3:15 p.m. – 4:00 p.m.

From Innovation to Impact: How to Have More Great Scientific Ideas

Dino Giussani, PhD, ScD, FRCOG

University of Cambridge

4:15 p.m. – 5:00 p.m.

Grant Writing 101: How to Write an Irresistible Grant Proposal

Jane Norman, MD

University of Edinburgh

5:15 p.m. – 5:45 p.m.

How to Handle Failure and Rejection in Science

Mary Wlodek, PhD

University of Melbourne

6:00 p.m. – 7:30 p.m.

Mentor-in-a-Cloud Speed Dating and Networking Event

REGENCY 02 - HYATT REGENCY

Pre-registration is required for this event.



Scientific Program

Wednesday, March 13

7:00 a.m. - 6:30 p.m.

Registration

HALL MAILLOT - LEVEL 2 - PALAIS DES CONGRÈS

7:00 a.m. - 8:15 a.m.

Mid-Career Session - Taking your Research to the Next Level

ROOM 252B - PALAIS DES CONGRÈS

**Coffee and croissants will be served*

Science to Health Policy

Sarah England, PhD, Donald Peebles, MA, MD, FRCOG

Science Communication

Helen Jones, PhD, Lucy Green, PhD

Science to Care & Community

Erica Marsh, MD, MSCI, FACOG, Roger Smith, AM, MBBS, FRACP, PhD, Kym Rae, PhD,

Jasmine Plows, PhD

Intellectual Property

Roger Young, MD, PhD, Craig Curtis Garner, PhD

Partnering with Pharma and Biotech

Thomas Zollner, MD

Commercializing Your Science

Anna David, PhD, Ayman Al-Hendy, MD, PhD, Bruce Lessey, MD, PhD

International Partnerships

Sophie Petropoulos, PhD, Lucilla Poston, PhD, Tania Ortega-Carvalho, PhD

8:30 a.m. - 5:00 p.m.

Endometrium Satellite Meeting

Implantation, Menstruation and Endometrial Repair

ROOM 242AB - PALAIS DES CONGRÈS

Eligible for **1.0 European CME credits (ECMEC®s)**/1.0 AMA PRA Category 1 Credits™

Chairs: Peter Rogers, PhD

University of Melbourne Royal Women's Hospital

Asgi Fazleabas, PhD

Michigan State University

8:30 a.m. - 9:30 a.m.

Mechanisms of Scarless Healing - Do Pericytes Hold the Key to Endometrial Repair?

Philippa Saunders, PhD

MRC Centre for Inflammation Research

University of Edinburgh

9:30 a.m. - 10:00 a.m.

BREAK

10:00 a.m. - 10:30 a.m.

Menstruation in the Spiny Mouse

Jemma Evans, PhD

Hudson Institute of Medical Research

10:30 a.m. - 11:00 a.m.

The Uterine Microbiome; a Relevant Factor in Healthy Pregnancy?

Renate van der Molen

Radboud University Medical Center

11:00 a.m. - 12:00 p.m.

Discovery of a Key Surface Barrier Protein That Controls Endometrial Receptivity

Guiying Nie, PhD

Hudson Institute of Medical Research

12:00 p.m. - 1:30 p.m.

Lunch Break (on own)

Scientific Program

Wednesday, March 13, *continued*

	1:30 p.m. - 2:30 p.m.	Endometrium, Embryo Implantation and Genomic Studies in Reproductive Medicine <i>Andres Salumets, PhD</i> <i>University of Tartu</i>
	2:30 p.m. - 3:00 p.m.	Organoid Systems to Study the Maternal-Fetal Interface of Human Pregnancy <i>Margherita Turco, PhD</i> <i>University of Cambridge</i>
	3:00 p.m. - 3:30 p.m.	Reconstructing the Human Maternal-Fetal Interface During Early Pregnancy Using Single Cell Transcriptomics <i>Roser Vento-Tormo</i> <i>Wellcome Trust Sanger Institute</i>
	3:30 p.m. - 4:00 p.m.	BREAK
	4:00 p.m. - 5:00 p.m.	Placental Cells and Proteins and Their Impact on Endometrial/Decidual Vessels <i>Berthold Huppertz</i> <i>Medical University of Graz</i>
8:30 a.m. - 5:00 p.m.		Fetal Physiology Satellite Meeting What Happens When... ROOM 252A - PALAIS DES CONGRÉS Eligible for 1.0 European CME credits (ECMEC®s) /1.0 AMA PRA Category 1 Credits™ Chairs: <i>Kent Thornburg, PhD</i> <i>Oregon Health & Science University</i> <i>Lubo Zhang, PhD</i> <i>Loma Linda University</i>
Introduction	8:30 a.m. - 8:35 a.m.	<i>Kent L. Thornburg, PhD</i> <i>Oregon Health & Science University</i>
Morning Session	8:35 a.m. - 12:00 p.m.	Moderator: <i>Lubo Zhang, PhD,</i> <i>Loma Linda University</i>
	8:35 a.m. - 9:30 a.m.	What Happens When Offspring Are Exposed to Maternal Glucocorticoids? <i>Stephen Matthews, PhD</i> <i>University of Toronto</i>
	9:30 a.m. - 10:00 a.m.	BREAK
	10:00 a.m. - 10:30 a.m.	What Happens When the Fetus Faces Maternal Androgens? <i>Sathish Kumar, PhD, DVM</i> <i>University of Wisconsin-Madison</i>
	10:30 a.m. - 11:00 a.m.	What Happens When the Fetus Faces Maternal Androgens? <i>Sonnet Jonker, PhD</i> <i>Oregon Health & Science University</i>

Scientific Program

Wednesday, March 13, *continued*

Afternoon Session

- 11:00 a.m. - 11:30 a.m. **What Happens to the Embryo of a Diabetic Mother?**
Peixin Yang, PhD
University of Maryland
- 11:30 a.m. - 12:00 p.m. **What Happens When Mother and Fetus Disagree?**
Elizabeth Enninga, PhD
Mayo Clinic
- 12:00 p.m. - 1:30 p.m. Lunch Break (on own)
- 1:30 p.m. - 5:00 p.m.
 Moderator: *Maureen Keller-Wood, PhD*
University of Florida
- 1:30 p.m. - 2:30 p.m. **What Happens to Babies Born to Obese Mothers?**
Patrick Catalano, MD
Tufts Medical Center
- 2:30 p.m. - 3:00 p.m. **What Happens to Lipids When Mother Is Diabetic?**
Amy Valent, MD
Oregon Health & Science University
- 3:00 p.m. - 3:30 p.m. **What Happens When Fetal Cells Visit the Mother's Body?**
Raj Swati Shree, MD
University of Washington
- 3:30 p.m. - 4:00 p.m. BREAK
- 4:00 p.m. - 5:00 p.m. **What Happens to People Who Were Undernourished in the Womb?**
Tessa Roseboom, PhD
University of Amsterdam

8:30 a.m. - 5:00 p.m.

Myometrium/Parturition Satellite Meeting

ROOM 241 - PALAIS DES CONGRÈS

Organizer: *Rachel Tribe, PhD*
King's College London

Morning Session

- 8:30 a.m. - 12:00 p.m.
 Moderator: *Rachel Tribe, PhD*
King's College London
- 8:30 a.m. - 9:30 a.m. **Functional and Biomarker Contributions of Extracellular Vesicles in Parturition**
Ram Menon, PhD
The University of Texas Medical Branch
- 9:30 a.m. - 10:00 a.m. BREAK

Scientific Program

Wednesday, March 13, *continued*

Moderators: *Andrew Blanks, BSc, PhD*

University of Warwick

Rachel Tribe, PhD

King's College London

10:00 a.m. - 10:30 a.m. **Functional Studies of Pregnancy Specific Beta-1 Glycoproteins and Identification of Their Ligands**

Gabriella Dveksler, PhD

Uniformed Services University

10:30 a.m. - 11:00 a.m. **Harnessing the Function of B Lymphocytes to Prevent Preterm Labor**

Kang Chen, PhD

Wayne State University

11:00 a.m. - 11:30 a.m. **Metalloprotease and Extracellular Matrix Modulation of Myometrial Activation and Parturition**

Suneel S. Apte, MBBS, DPhil

Department of Biomedical Engineering

Lerner Research Institute Cleveland Clinic

11:30 a.m. - 12:00 p.m. **Drug Discovery Strategy to Identify Novel Regulators of Uterine Contraction**

Jennifer Herington, PhD

Vanderbilt University Medical Center

12:00 p.m. - 1:30 p.m. Lunch Break (on own)

Afternoon Session

1:30 p.m. - 5:00 p.m.

Moderators: *Nardhy Gomez-Lopez, PhD*

Wayne State University

Rachel Tribe, PhD

King's College London

1:30 p.m. - 2:30 p.m. **Setting the Pace for Labour: How the 3-Dimensional Structure of the Uterus Combines with Bio-Electrical Signalling to Coordinate Delivery of the Fetus**

Andrew Blanks, BSc, PhD

Warwick Medical School

2:30 p.m. - 3:00 p.m. **INSIGHT Study: The Cervico-Vaginal Environment and Prediction of Spontaneous Preterm Birth**

Natasha Hezelgrave, MBBS

King's College London

3:00 p.m. - 3:30 p.m. **Cervical Epithelial Damage and Preterm Birth**

Ioannis Pavlidis, MD, MSc, PhD

University of Edinburgh

3:30 p.m. - 4:00 p.m. BREAK

Scientific Program

Wednesday, March 13, *continued*

Moderator: *Rachel Tribe, PhD*

King's College London

4:00 p.m. - 5:00 p.m.

The Vaginal Virome and Preterm Birth

Kristine Wylie, PhD

Washington University School of Medicine

8:30 a.m. - 5:00 p.m.

Ovarian Biology Satellite Meeting

Fertility Preservation: State of the ART

ROOM 243 - PALAIS DES CONGRÈS

Eligible for **1.0 European CME credits (ECMEC®s)**/1.0 AMA PRA Category 1 Credits™

Organizers: *Juan Garcia-Velasco, MD, PhD*

IVI RMA-Madrid / Rey Juan Carlos University

Emre Seli, MD

Yale School of Medicine

8:30 a.m. - 9:00 a.m.

Epidemiology and Evolution of Fertility Preservation in Women Undergoing Gonadotoxic Treatment

Emre Seli, MD

Yale School of Medicine

9:00 a.m. - 9:30 a.m.

Considering the Surroundings: Effects of Latrogenic Exposures on the Ovarian Microenvironment

Francesca Duncan, PhD

Northwestern University

9:30 a.m. - 10:00 a.m.

BREAK

10:00 a.m. - 10:30 a.m.

Ovarian Tissue Cryopreservation: State of the Art

Claus Yding Andersen, PhD

University of Copenhagen

10:30 a.m. - 11:00 a.m.

Making a Baby from a Human Primordial Follicle: Where Do We Stand?

Francesca Duncan, PhD

Northwestern University

11:00 a.m. - 11:30 a.m.

Towards an Artificial Ovary: Grafting Preantral Follicles on Decellularized Human Ovarian Tissue

Stine Gry Kristensen, PhD

University of Copenhagen

11:30 a.m. - 12:00 p.m.

Fertility Preservation in Prepubertal Girls: Selecting the Right Patient for Ovarian Tissue Cryopreservation

Hamish Wallace, MD, PhD

University of Edinburgh

12:00 p.m. - 1:30 p.m.

Lunch Break (on own)

1:30 p.m. - 2:00 p.m.

Fertility Preservation in Women with Endometriosis

Pinar Kodaman, MD

Yale School of Medicine

Scientific Program

Wednesday, March 13, *continued*

	2:00 p.m. – 2:30 p.m.	Long Term Outcomes in Cancer Patients Who Do and Do Not Pursue Fertility Preservation <i>Mary Ellen Pavone, MD</i> <i>Northwestern University</i>
	2:30 p.m. – 3:00 p.m.	Fertility Preservation in Transgender Populations <i>Molly Moravek, MD</i> <i>University of Michigan</i>
	3:00 p.m. – 3:30 p.m.	Social Egg Freezing <i>Juan Garcia-Velasco, MD, PhD</i> <i>IVI RMA-Madrid / Rey Juan Carlos University</i>
	3:30 p.m. – 4:00 p.m.	BREAK
	4:00 p.m. – 4:30 p.m.	LH for Decreasing Follicle Loss in Women Receiving Gonadotoxic Treatment <i>Sonia Herraiz, PhD</i> <i>Fundación IVI</i>
	4:30 p.m. – 5:00 p.m.	The Role of AMH/MIS in the Ovary: Implications for Fertility and its Preservation <i>David Pepin, PhD</i> <i>Massachusetts General Hospital</i>
8:30 a.m. – 5:00 p.m.		Placental Satellite Meeting The Placenta: The Pregnancy Communication Hub ROOM MAILLOT - PALAIS DES CONGRÉS Eligible for 1.0 European CME credits (ECMEC®s)/1.0 AMA PRA Category 1 Credits™ Organizer: <i>Amanda Sferruzzi-Perri, PhD</i> <i>University of Cambridge, United Kingdom</i> <i>Thomas Jansson, MD, PhD</i> <i>University of Colorado</i>
Plenary Session	Moderators:	<i>Theresa Powell, PhD</i> <i>University of Colorado</i> <i>Jonas Zaugg</i> <i>University of Bern, Switzerland</i>
	8:30 a.m. – 9:30 a.m.	Evolution of Mechanisms for Maternal Recognition of Pregnancy <i>Michael Roberts, PhD</i> <i>University of Missouri - Columbia</i>
Morning Session	9:30 a.m. – 10:00 a.m.	BREAK
		Placental Mechanisms Regulating Maternal Physiology Moderators: <i>Rohan Lewis, PhD</i> <i>University of Southampton, United Kingdom</i> <i>Julienne Rutherford, PhD</i> <i>University of Illinois</i>
	10:00 a.m. – 10:30 a.m.	The Placenta, Genomic Imprinting and Maternal Behavior <i>Rosalind John, PhD</i> <i>Cardiff University</i>

Scientific Program

Wednesday, March 13, *continued*

- 10:30 a.m. - 11:00 a.m. **Placental Endocrine Control of Maternal Metabolism and Its Importance for Long-Term Health**
Amanda Sferruzzi-Perri, PhD
University of Cambridge
- 11:00 a.m. - 11:30 a.m. **Placental Exosomes Regulating Maternal Metabolism**
Carlos Saloman, MSc, PhD
The University of Queensland
- 11:30 a.m. - 12:00 p.m. **Imprinted Genes and Endocrine Communication of Conceptus and Mother During Pregnancy**
Marika Charalambous, PhD
King's College London
- 12:00 p.m. - 1:30 p.m. Lunch Break (on own)
- Afternoon Session I** **Fetal Signals Regulating Placental Function**
Moderators: *Padma Murthi, PhD*
University of Melbourne, Australia
Hiten Mistry, PhD
University of Nottingham, United Kingdom
- 1:30 p.m. - 2:30 p.m. **Fetal Influences on the Placenta**
Miguel Constancia, PhD
University of Cambridge
- 2:30 p.m. - 3:00 p.m. **Feto-Placental Interactions and Their Contribution to Nutrient Supply and Growth of the Fetus**
Mark Dilworth, PhD
University of Manchester
- 3:00 p.m. - 3:30 p.m. **Feto-Placental Interactions and Metabolic and Nutritive State**
Pascal Chavatte-Palmer, DVM, PhD
INRA
- 3:30 p.m. - 4:00 p.m. BREAK
- Afternoon Session II** Moderators: *Alessandro Rolfo, PhD*
University of Turin, Italy
Chan Shiao-Yng, MD, PhD
National University Hospital, Singapore
- 4:00 p.m. - 5:00 p.m. **Novel Placental Biomarkers and Interventions for Placental Disease**
Tu'uhevaha Kaitu'u-Lino, PhD
University of Melbourne

Scientific Program

Wednesday, March 13, *continued*

8:20 a.m. - 5:00 p.m.

Preterm Birth International Satellite Symposium

Preterm Birth International Collaborative (PREBIC)

ROOM 251 - PALAIS DES CONGRÈS

Eligible for **1.0 European CME credits (ECMEC®s)/1.0 AMA PRA Category 1 Credits™**

Organizer: *Ramkumar Menon, PhD*

The University of Texas Medical Branch at Galveston

Executive Director - PREBIC

Morning Session

8:20 a.m. - 12:00 p.m.

Moderator: *Young Ju Kim, MD, PhD*

Chairperson, PREBIC, Australasia Branch

Ewha Woman's Hospital

8:20 a.m. - 8:30 a.m.

Preterm Birth International Collaborative - Launching European Branch and Introduction of Leaders

Nanbert Zhong, MD, PhD

President, PREBIC

*New York State Institute for Basic Research in
Developmental Disabilities*

8:30 a.m. - 9:00 a.m.

The Future of Prematurity Research - A Clinical/ Translational Approach

Kelle Moley, MD

Senior Vice President of Research and Global Program

Chief Scientific Officer, March of Dimes

9:00 a.m. - 9:30 a.m.

Improving the Diagnosis and Management of Preterm Labor

Sarah Stock, MD

Wellcome Trust Clinical

*Usher Institute of Population Health Sciences and
Informatics*

The University of Edinburgh

9:30 a.m. - 10:00 a.m.

BREAK

Moderators: *Hanns Helmer, MD*

Past President- PREBIC

Medical University Vienna

Nanbert Zhong, MD, PhD

President, PREBIC

New York State Institute for Basic Research in Developmental Disabilities

10:00 a.m. - 10:30 a.m.

Role of Epithelial Mesenchymal Transition (EMT) and Epithelial Exfoliation on GBS Infections

Lakshmi Rajagopal, PhD

University of Washington

Seattle Children's Research Institute

Scientific Program

Wednesday, March 13, *continued*

	10:30 a.m. - 11:00 a.m.	Using cfRNA to Predict Gestational Age and Preterm Delivery <i>Mira Noura Moufarrej, PhD Candidate</i> <i>Stanford University</i>
	11:00 a.m. - 11:05 a.m.	Introduction to Calvin J Hobel, MD Lecture Series by PREBIC <i>Ramkumar Menon, MS, PhD</i> <i>The University of Texas Medical Branch at Galveston</i> <i>Executive Director - PREBIC</i>
	11:05 a.m. - 12:00 p.m.	1st Calvin J. Hobel, MD "Keynote Lecture" New Developments in the Understanding of Preterm Labor with Implications for Diagnosis, Treatment and Prevention <i>Roberto Romero, MD, DMedSci</i> <i>NICHHD, NIH, DHHS</i> <i>Wayne State University</i>
	12:00 p.m. - 1:30 p.m.	Lunch Break (on own)
Afternoon Session	1:30 p.m. - 5:00 p.m.	Moderators: <i>Sam Mesiano, PhD</i> <i>Treasurer, PREBIC</i> <i>Case Western Reserve University</i> <i>Elizabeth Bonney, MD, MPH</i> <i>Secretary General, PREBIC</i> <i>University of Vermont</i>
	1:30 p.m. - 2:00 p.m.	Can Cervical Bacterial Load and Cytokine Profile Be Used as a Predictor of Pre-term Birth in High Risk Women? <i>Gendie Lash, PhD</i> <i>Guangzhou Institute of Pediatrics</i> <i>Guangzhou Women and Children's Medical Center</i>
	2:00 p.m. - 2:30 p.m.	Extracellular Vesicle Bioamplification Profiles in Adverse Pregnancy Outcomes <i>Terry Morgan, MD, PhD</i> <i>Oregon Health & Science University</i>
	2:30 p.m. - 3:00 p.m.	The Endocrine Role of Fetal Membranes in Parturition <i>Gang Sun, MD, PhD</i> <i>Ren Ji Hospital</i> <i>Shanghai Jiao Tong University School of Medicine</i>
	3:00 p.m. - 3:30 p.m.	Is Immune Cell Migration and Activation Required for Myometrial Activation? <i>Mark Johnson, MD</i> <i>Imperial College</i>
	3:30 p.m. - 4:00 p.m.	BREAK

Scientific Program

Wednesday, March 13, *continued*

Moderator: *Cynthia Gyamfi Bannerman, MD*
Vice President, PREBIC
Columbia University

4:00 p.m. – 4:30 p.m. **Preterm Birth Heterogeneity: Its Impact on Understanding the Mechanism and Prevention of Preterm Delivery**

Bo Jacobsson, MD, PhD
Sahlgrenska Academy
Gothenburg University
Institute of Public Health

4:30 p.m. – 5:00 p.m. **Can We Implement Prediction Strategies to Improve Preterm Birth Management?**

Andrew Shennan, OBE, MBBS, MD, FRCOG
Kings College London

12:00 p.m. – 1:00 p.m. **Diversity, Equity and Inclusion Forum - Gender Diversity: The Business Case and Other Key Drivers**

ROOM 252B - PALAIS DES CONGRÉS

Usha Pillai, PhD
Senior Consultant
Leading Women

5:15 p.m. – 6:15 p.m. **New Investigator Forum - Negotiations and Other Difficult Conversations**

Room 252B - PALAIS DES CONGRÉS

Ayman Al-Hendy, MD, PHD
Elizabeth Bonney, MD
Lisa Halvorson, MD
Eun Lee, PhD
Usha Pillai, PhD

6:30 p.m. – 8:00 p.m. **Welcome Reception**

REGENCY A+7 - HYATT REGENCY

Join us for socializing, wine and light appetizers.

Scientific Program

Thursday, March 14

- 7:00 a.m. – 6:00 p.m. Registration
HALL MAILLOT - LEVEL 2 - PALAIS DES CONGRÉS
- 8:00 a.m. – 8:10 a.m. **President's Welcome Address**
AMPI BLEU - PALAIS DES CONGRÉS
Murray Mitchell, DPhil, DSc
SRI President, 2018-2019
- 8:10 a.m. – 9:00 a.m. **President's Distinguished Lecture I**
Plasma Nucleic Acids in Health and Disease
AMPI BLEU - PALAIS DES CONGRÉS
Eligible for **2.0 European CME credits (ECMEC®s)/2.0 AMA PRA Category 1 Credits™**
Y. M. Dennis Lo, FRS
Li Ka Shing Institute of Health Sciences
The Chinese University of Hong Kong
Prince of Wales Hospital
- 9:00 a.m. – 10:00 a.m. **President's New Investigator Plenary Session – Supported by the Past Presidents' Fund**
AMPI BLEU - PALAIS DES CONGRÉS
Moderators: *Murray Mitchell, DPhil, DSc*
2018 – 2019 SRI President
John R.G. Challis, PhD FRCOG FRSC
2002 – 2003 SRI President
- 9:00 a.m. - 9:15 a.m. **O-001: Inhibition of the Chemokine Response Prevents Preterm Labor but Not an Invasive Infection in a Nonhuman Primate Model**
Michelle Coleman, PhD
- 9:15 a.m. - 9:30 a.m. **O-002: Novel Non-Classic Progesterone (P4) Receptor PGRMC1 Interactions and Functionality Reveal a Key Role During the Human Decidualization Process**
Stefania Salsano
- 9:30 a.m. - 9:45 a.m. **O-003: Placenta-Derived Fetal Circulating Factors in Pregnancies Complicated by Maternal Obesity Induce Cardiomyocyte Hypertrophy In Vitro**
Owen R. Vaughan, PhD
- 9:45 a.m. - 10:00 a.m. **O-004: ARID1A Loss Results in Non-Receptive Endometrium with FOXA2 Deficiency in Endometriosis-Related Infertility**
Ryan M. Marquardt

***Directly following the President's New Investigator Plenary, we will be recognizing the 4 President's Plenary Awardess and the 25 SRI President's Presenter's Awardees and handing out their awards at this time. We ask that you stay seated during this process, and hold your applause until all the awards have been announced.**

Scientific Program

Thursday, March 14, *continued*

10:00 a.m. – 12:00 p.m.

Poster Session I

HALL MAILLOT - PALAIS DES CONGRÉS

**Coffee and croissants will be served*

12:00 p.m. – 1:30 p.m.

Lunch and Learn Symposium I: *Insights Into Drug Discovery and Development in Women's Health: From Target Ideas to Molecules, to Medicine*

ROOM 252A - PALAIS DES CONGRÉS

Moderators: *Dineo Khabele, MD*

Andrew Blanks, BSc, PhD

Identification of Innovative Drug Targets for Women's Health

Joerg Mueller, PhD

Krina Zondervan, MSc, Dphil

From Targets to Clinical Candidates

Oliver Martin Fischer, PhD

Adam Davenport, PhD

From Clinical Candidates to Validation in Humans

Beate Rohde, PhD, MD

12:00 p.m. – 1:30 p.m.

Lunch and Learn Symposium II: *Genome Editing and the Future of Reproduction*

ROOM 253 - PALAIS DES CONGRÉS

Moderators: *Erin Greaves, PhD*

Monica Mainigi, MD

Genome Editing of Human Embryos, Clinical and Experimental Possibilities

Fredrik Lanner, PhD

Genome Editing Reveals a Role for OCT4 in Human Embryogenesis

Norah M.E. Fogarty

1:45 p.m. – 3:45 p.m.

Mini Symposia I

Anti-Müllerian Hormone/Müllerian Inhibiting Substance; Coming Home to France

ROOM 242AB - PALAIS DES CONGRÉS

Eligible for **1.0 European CME credits (ECMEC®s)**/1.0 AMA PRA Category 1 Credits™

Moderators: *Jose Teixeira, PhD*

Nathalie diClemente, PhD

1:45 p.m. – 2:15 p.m.

Rodent Models of PCOS

Chrystèle Racine, PhD

2:15 p.m. – 2:45 p.m.

Mechanisms of Female Fertility Preservation by AMH/MIS During Chemotherapy

David Pepin, PhD

2:45 p.m. – 3:15 p.m.

Impact of AMH and AMHR2 Genetic Variation on the Polycystic Ovary Syndrome Phenotype

Margarit Urbanek, PhD

3:15 p.m. – 3:45 p.m.

AMH and the Neuronal Control of Reproduction: From Physiology to Pathophysiology

Paolo Giacobini, PhD

Scientific Program

Thursday, March 14, *continued*

What Can Pregnancy Reveal About Maternal Cardiovascular Risk

AMPI BLEU - PALAIS DES CONGRÈS

Eligible for **1.0 European CME credits (ECMEC®s)**/1.0 AMA PRA Category 1 Credits™

Moderators: *Janet Catov, PhD*

Alisse Hauspurg, MD

1:45 p.m. – 2:15 p.m.

Deep Phenotyping of Pregnancy Adaptation

Ira Bernstein, MD

2:15 p.m. – 2:45 p.m.

Adverse Pregnancy Outcomes: Markers or Causes of Cardiovascular Risk?

Abigail Fraser, PhD

2:45 p.m. – 3:15 p.m.

The Placenta As a Window to Future Maternal Cardiovascular Disease

Janet Catov, PhD

3:15 p.m. – 3:45 p.m.

Is Infertility a Cardiovascular Phenotype?

Jacob Udell, MD

SRI-PRS Joint Session: Novel Imaging Techniques to Define Placental Function

ROOM 241 - PALAIS DES CONGRÈS

Eligible for **1.0 European CME credits (ECMEC®s)**/1.0 AMA PRA Category 1 Credits™

Moderators: *Dinesh M. Shah, MD*

David Weinberg, PhD

1:45 p.m. – 2:15 p.m.

Total Uterine Blood-flow by Ultrasound and 4D MRI as a Measure of Placenta Function

Dinesh Shah, MD

2:15 p.m. – 2:45 p.m.

Placental Perfusion and Oxygenation by MRI

Antonio Frias, MD

2:45 p.m. – 3:15 p.m.

Fetal Villous Blood Flow and Placental Perfusion by Ultrasound

Tony Odibo, MD, MSCE, FRCOG, FACOG

3:15 p.m. – 3:45 p.m.

Fully Automated, Real-Time Multiclass Segmentation of the Utero-Placental Unit: Volumes and Vascularity

Sally Collins, MD, PhD

From Cells to Systems: Implications for Reproductive Immunological Health

ROOM 251 - PALAIS DES CONGRÈS

Eligible for **1.0 European CME credits (ECMEC®s)**/1.0 AMA PRA Category 1 Credits™

Moderators: *Hilary Gammill, MD*

Brice Gaudilliere, MD

1:45 p.m. – 2:15 p.m.

Immune System Development During the First Weeks of Life in Term and Preterm Children

Petter Brodin, MD, PhD

2:15 p.m. – 2:45 p.m.

Time, Space, Identity, Specificity: A 4D View of Tregs at Work in Maternal-Fetal Tolerance

David Klatzmann, MD, PhD

Scientific Program

Thursday, March 14, *continued*

- 2:45 p.m. – 3:15 p.m. **Microchimerism: Extension of Maternal-Fetal Interactions Over Time**
Hilary Gammill, MD
- 3:15 p.m. – 3:45 p.m. **Immune System Adaptations in Pregnancy: It's All About Timing**
Brice Gaudilliere, MD

Advances in Prenatal Molecular Screening: The Innovation That Transformed Prenatal Care

ROOM 252B - PALAIS DES CONGRÉS

Eligible for **1.0 European CME credits (ECMEC®s)**/1.0 AMA PRA Category 1 Credits™

Moderators: *Christina S. Han, MD*

Diana Bianchi, MD

- 1:45 p.m. – 2:15 p.m. **NIPS: The Science, Utility, and Limitations**
Lawrence D. Platt, MD
- 2:15 p.m. – 2:45 p.m. **If NIPS Is So Good, Why Aren't All Pregnant Women Benefiting?**
Glenn E. Palomaki, PhD
- 2:45 p.m. – 3:15 p.m. **Tissue of Origin Analyses of Cell-Free DNA to Decipher Pathologies in the Fetus and the Mother**
Rossa Chiu, MD
- 3:15 p.m. – 3:45 p.m. **Innovation: New Technologies to Detect Rare Fetal and Placental Cells in the Circulation**
Yalda Afshar, MD, PhD

Environmental Influences on Pregnancy and Health Outcome: Informing on New Strategies for Disease Prevention

ROOM MAILLOT - PALAIS DES CONGRÉS

Eligible for **1.0 European CME credits (ECMEC®s)**/1.0 AMA PRA Category 1 Credits™

Moderators: *Tracy Manuck, MD*

Francisco Dominguez Hernandez, PhD

- 1:45 p.m. – 2:15 p.m. **Prenatal Arsenic Exposure and the Epigenome: Informing Disease Mechanisms and the Risk Assessment Process**
Rebecca C. Fry, PhD
- 2:15 p.m. – 2:45 p.m. **Effects of Exposure to Diesel Exhaust During Pregnancy on Feto-Placental and Offspring Development Using a Rabbit Model**
Pascale Chavatte-Palmer, DVM, PhD
- 2:45 p.m. – 3:15 p.m. **Phthalates Impair Villous Trophoblast Differentiation and Endocrine Functions Through Activation of the Nuclear Receptor PPARgamma**
Thierry Fournier, PhD
- 3:15 p.m. – 3:45 p.m. **Reproductive and Pregnancy Outcomes of Patients Treated with Alkylating Chemotherapy**
Lynae Brayboy, MD

3:45 p.m. – 4:00 p.m. **Coffee Break**

Scientific Program

Thursday, March 14, *continued*

4:00 p.m. – 6:00 p.m.

Concurrent Oral Presentations I

Clinical Perinatology I

ROOM 252B - PALAIS DES CONGRÈS

Moderators: Roger C. Young, MD, PhD

Leena T. Kadam, PhD

4:00 p.m. - 4:15 p.m.

O-005: Measuring Intrapartum Fetal Tissue Oxygen Saturation during Abnormal Fetal Heart Rate Patterns

Naohiro Kanayama, Kenta Kawai, Toshiyuki Uchida, Mari Mukai, Kazunao Suzuki, Hiroaki Itoh

4:15 p.m. - 4:30 p.m.

O-006: Pregnancy Outcome following Zika Virus (ZIKV) Infection during the 3rd Trimester in the Olive Baboon (*Papio Anubis*): Evidence Does Not Support a Protective Role for Type III Interferons

Sunam Gurung, Darlene Reuter, Marta Maxted, Krista Singleton, Kim Hyatt, Ashley Martin, Jamie Dubaut, Alisha Preno, James Papin, Dean Myers

4:30 p.m. - 4:45 p.m.

O-007: Women Entering Pregnancy with Newly Defined Stage 1 Hypertension are at Increased Risk for Preeclampsia

Elizabeth F. Sutton, Samia Lopa, Sarah C. Rogan, Danielle Sharbaugh, Janet Catov

4:45 p.m. - 5:00 p.m.

O-008: First Achievement of Successful Maintenance in 95 Days Extremely Preterm Lambs Treated with Ex Vivo Uterine Environment (EVE) Therapy

Haruo Usuda, Shimpei Watanabe, Mastoshi Saito, Gabrielle Musk, Tsukasa Takahashi, Yusaku Kumagai, Shinichi Sato, Takushi Hanita, John Newnham, Matthew Kemp

5:00 p.m. - 5:15 p.m.

O-009: Exposure to Low Levels of Combined Air Pollutants in Both the First and Second Trimester is Associated with Increased Risk of Preterm Birth (PTB) in High-Risk Women in North Carolina

R. Dhingra, L. Smeester, J. Rager, W. Vizuete, R. C. Fry, T. A. Manuck

5:15 p.m. - 5:30 p.m.

O-010: Analysis of the Microbiome in Cord Blood from Live Births and Stillbirths

Emilie Vander Haar, Tal Korem, Huiying Li, Cynthia Gyamfi-Bannerman, Uma Reddy, Ronald Wapner, Robert Goldenberg, Stillbirth Collaborative Research Network, Yiping W. Han

5:30 p.m. - 5:45 p.m.

O-011: First Trimester AFP:PAPP-A Ratio in the Prediction of Adverse Pregnancy Outcome

Ulla Sovio, Francesca Gaccioli, Alice E. Hughes, D. Stephen Charnock-Jones, Gordon C.S. Smith

Scientific Program

Thursday, March 14, *continued*

5:45 p.m. - 6:00 p.m.

0-012: Performance of a Maternal Abdominal Surface Electrode System for Fetal Heart Rate Monitoring from 34 to 37 Weeks

Maritza G. Gonzalez, Meghan G. Hill, Raheleh Mohammadi, Pegah T. Hosseini, Wayne R. Cohen

Gynecology I

ROOM MAILLOT - PALAIS DES CONGRÉS

Moderators: *Ayman Al-Hendy, MD, PhD*

Erin Greaves, PhD

4:00 p.m. - 4:15 p.m.

0-013: Degradable Nanostructured Mesh and Endometrial Stem/Stromal Cells AsA Bioengineered Construct for Pelvic Organ Prolapse

Shayanti Mukherjee, Saeedeh Darzi, Vinod Kadam, Yen Truong, Anna Rosamilia, Jerome Werkmeister, Caroline Gargett

4:15 p.m. - 4:30 p.m.

0-014: Injectable Collagenase Clostridium Histolyticum (EN3835) for Uterine Fibroids: Results of a Phase 1 Clinical Trial

Bhuchitra Singh, Szu-Chi Su, Thomas Wegman, Joshua Brennan, Irene Trueheart, Holly Sims, Jean-Marie Soma, Rosina Dixon, Phyllis Leppert, Barbara Smith, James Segars

4:30 p.m. - 4:45 p.m.

0-015: Pleiotropic Associations Between a Uterine Leiomyoma Polygenic Risk Score (PRS) and the Clinical Phenome

Jacklyn N. Hellwege, Eric S. Torstenson, Todd L. Edwards, Digna R. Velez Edwards

4:45 p.m. - 5:00 p.m.

0-016: Aberrant Trophoblast-Endometrial Cross-Talk in Endometriosis

Sahar Houshdaran, Tamara Zdravkovic, Susan Fisher, Linda Giudice

5:00 p.m. - 5:15 p.m.

0-017: Mutations in METTL11B: A Primer for N-Terminal RCC1 Methyltransferase Play a Role in Endometriosis

Rakesh Chettier, Hans Albertsen, Kenneth Ward

5:15 p.m. - 5:30 p.m.

0-018: NGS of Oocytes from Endometriosis Patients Reveals a Differential Transcriptomic Pattern

Hortensia Ferrero Chafer, Ana Corachán, Alicia Quiñonero, Maria Cristina Carbajo-García, Pilar Alamá, Alberto Tejera, Esther Taboas, Elkin Muñoz, Antonio Pellicer, Francisco Dominguez

Scientific Program

Thursday, March 14, *continued*

5:30 p.m. - 5:45 p.m.

O-019: Acute DEHP Exposure in Endometrial Epithelial Cells Does Not Phenocopy the Alterations Described in Endometriosis

Roberto Gonzalez-Martin, Alicia Quiñero, Silvia Perez-Deben, Stefania Salsano, Francisco Dominguez

5:45 p.m. - 6:00 p.m.

O-020: Avoiding False Positive Results through Ancestry Filtering

Hans M Albertsen, Rakesh Chettier, Kenneth Ward

Maternal Biology and Health

ROOM 251 - PALAIS DES CONGRÈS

Moderators: *Lorna G. Moore, PhD*

Nga Ling Ko, PhD

4:00 p.m. - 4:15 p.m.

O-021: High Altitude Increases Vasodilatory Response to Pharmacologic PPAR γ Activation in Murine Uterine and Human Myometrial Arteries

Sydney L. Coates, Ramon A. Lorca, Lorna G. Moore, Colleen G. Julian

4:15 p.m. - 4:30 p.m.

O-022: Pregnancy Increases Uterine Blood Flow via ER β Dependent AT2R-Mediated Mechanism

Gigi M te Riele, Jay S Mishra, Kathir Gopalakrishnan, Sathish Kumar

4:30 p.m. - 4:45 p.m.

O-023: Maternal Mesenteric Artery Structural Parameters Approximate the Non-Pregnant State by 12 Weeks Postpartum in Mice

Natalia I. Gokina, Rebecca I. Fairchild, Nicole M. Bishop, Taylor E. Dawson, Kirtika Prakash, Elizabeth A. Bonney

4:45 p.m. - 5:00 p.m.

O-024: Influenza A Virus Infection during Pregnancy Induces Severe Maternal Vascular Dysfunction and Fetal Growth Restriction

Stella Liong, Kurt Brassington, Osezua Oseghale, Eunice To, Felicia Liong, Jonathan Erlich, Raymond Luong, Steven Bozinovski, John J. O'Leary, Doug A. Brooks, Ross Vlahos, Stavros Selemidis

5:00 p.m. - 5:15 p.m.

O-025: The Vaginal Microbiome as a Predictor for Outcome of In-Vitro Fertilization with or without Intracytoplasmic Sperm Injection: A Prospective Study

Rivka Koedooder, Martin Singer, Sam Schoenmakers, Paul Savelkoul, Servaas Morré, Jonathan de Jonge, Linda Poort, Willem-Jan Cuyppers, Andries Budding, Joop Laven, ReceptIVFity Study Group

Scientific Program

Thursday, March 14, *continued*

5:15 p.m. - 5:30 p.m.

0-026: Effect of Gestational Diabetes Mellitus on Long Term Maternal Health in a Novel Mouse Model

Kathleen A. Pennington, Simone Hernandez Ruano, Haleh Sangi-Haghpeykar

5:30 p.m. - 5:45 p.m.

0-027: Effect of Pregnancy on Maternal Endothelial Glycocalyx Later in Life

Judith Brands, Marcia J. Gallaher, Robert W. Powers

5:45 p.m. - 6:00 p.m.

0-028: Lactation and Association with Maternal Gut Microbiome

Adetola F. Louis-Jacques, Thao T.B. Ho, Anujit Sarkar, Maureen W. Groer

Parturition I

ROOM 242AB - PALAIS DES CONGRÉS

Moderators: *Tamas Zakar, MD, PhD*

Nardhy Gomez-Lopez, PhD

4:00 p.m. - 4:15 p.m.

0-029: Decidual Stromal Cells and Cytotrophoblasts Synergize to Dampen and Modulate Macrophage Activation in Response to Group B Streptococcus Infection

Alison J. Eastman, Lisa M. Rogers, Kevin G. Osteen, David M. Aronoff

4:15 p.m. - 4:30 p.m.

0-030: The Placenta Exhibits Selective Immune Response in an In Vitro Model of Haematogenous Multi-Pathogen Induced Preterm Labour

Zahirrah B. Mohammed Rasheed, Camino Ruano San Martin, Mark H.F. Sullivan, Eberechi Anucha, Yun S. Lee, Phillip R. Bennett, David A. MacIntyre, Lynne Sykes

4:30 p.m. - 4:45 p.m.

0-031: A Cellular Regenerative Approach to Prevent Preterm Birth: In Vitro M2-Polarized Macrophages

Valeria Garcia-Flores, Roberto Romero, George Schwenkel, Sonia Hassan, Nardhy Gomez-Lopez

4:45 p.m. - 5:00 p.m.

0-032: The Effects of Cervical Epithelial Damage-Mediated Ascending Infection with Ureaplasma Parvum on Intreauterine Inflammation and Timing of Delivery

Ioannis Pavlidis, Brad O. Spiller, Gabriella S. Demarco, Sarah E. M. Howie, Jane E. Norman, Sarah J. Stock

5:00 p.m. - 5:15 p.m.

0-033: The Role of WNT Signaling in Placental Development and Birth Timing

Ortal Tamam, Ruti Parvari, Kaulini Burra, Debora Sinner, Louis J. Muglia

Scientific Program

Thursday, March 14, *continued*

5:15 p.m. - 5:30 p.m.

0-034: The Local and Systemic Immune Response in Preterm and Term Pregnancies and Their Association with the Vaginal Microbiota

Denise Chan, Yun S. Lee, Saqa Ahmed, T.G. Teoh, Phillip R. Bennett, David A. MacIntyre, Lynne Sykes

5:30 p.m. - 5:45 p.m.

0-035: Fetal Immune Cell Trafficking to Maternal Uterine Tissues in Animal Models of Term and Preterm Labor.

Samantha Sheller-Miller, Ramkumar Menon

5:45 p.m. - 6:00 p.m.

0-036: Mechanism of Adverse Interaction between Iron and Inflammation during Pregnancy

Allison L. Fisher, Veena Sangkhae, Nicolaos Palaskas, Tomas Ganz, Elizabeta Nemeth

Preeclampsia I

AMPI BLEU - PALAIS DES CONGRÈS

Moderators: *Virginia D. Winn, MD, PhD*

Robert W. Powers, PhD

4:00 p.m. - 4:15 p.m.

0-037: Early Onset of Coronary Artery Calcification in Women with Previous Preeclampsia

Laura Benschop, Laura Brouwers, Gerbrand A. Zoet, Cindy Meun, Eric Boersma, Ricardo P.J. Budde, Bart C.J.M. Fauser, Christiane M.J. de Groot, Angela H.E.M. Maas, Hans J. Duvekot, Birgitta K. Velthuis, Arie Franx, Eric Steegers, Bas B. van Rijn, Jeanine E. Roeters van Lennep

4:15 p.m. - 4:30 p.m.

0-038: Antiphospholipid Antibodies Induce ROS Production in First Trimester Placentae: A Contribution to the Pathogenesis of Preeclampsia

Rachel Zussman, Lance Xu, Katie Groom, Blake M. Seers, Qi Chen, Jaijuss P. Johnny, Lawrence W. Chamley, Anthony J.R. Hickey

4:30 p.m. - 4:45 p.m.

0-039: Compromised JMJD6 Activity Due to Placental Iron Deficiency Underlies Aberrant Fibronectin Processing in Preeclampsia

Sruthi Alahari, Leonardo Ermini, Martin Post, Isabella Caniggia

4:45 p.m. - 5:00 p.m.

0-040: High Levels of Circulating HtrA4 in Preeclampsia May Induce Endothelial Cell Cycle Arrest and Inhibit Endothelial Repair

Yao Wang, Rebecca Lim, Guiying Nie

Scientific Program

Thursday, March 14, *continued*

5:00 p.m. - 5:15 p.m.

0-041: Human Placental Bed Endothelial Cell Transcriptomics and Systemic Biomarker Profiling Reveals Inflammatory Endothelial Activation in Early Onset Preeclampsia

Laura Brouwers, Judith Wienke, Michal Mokry, Peter G.J. Nikkels, Tatjana E. Vogelvang, Arie Franx, Femke van Wijk, Bas B. van Rijn

5:15 p.m. - 5:30 p.m.

0-042: New Generation Antiplatelet Agents Mitigate Pathophysiological Aspects of Preeclampsia in Both Human and Mouse Models of Preeclampsia, Representing Exciting Novel Candidate Therapeutics

Natalie Hannan, Sally Beard, Natalie Binder, Natasha De Alwis, Natasha Pritchard, Tu'uhevaha Kaitu'u-Lino, Stephen Tong

5:30 p.m. - 5:45 p.m.

0-043: Platelet IFITM3 Contributes to Thrombosis in Preeclampsia

Heather D. Campbell, Bhanu K. Manne, Neal D. Tolley, Christian C. Yost, Robert A Campbell

5:45 p.m. - 6:00 p.m.

0-044: Estradiol-17 β -Induced Temporal and Spatial Uterine Endothelial Caveolar Partitioning of Phosphorylated eNOS

Mayra B. Pastore, Dongbao Chen, Ronald R. Magness

Reproductive Biology I

ROOM 241 - PALAIS DES CONGRÉS

Moderators: *Steven L. Young, MD, PhD*

Mary Louise Hull, PhD, MBChB

4:00 p.m. - 4:15 p.m.

0-045: Homeostatic Readjustment of the Secretory Pathway during Decidualization of Endometrial Stromal Cells

Paola Panina-Bordignon, Tiziana Anelli, Eelco van Anken, Claudia Semino

4:15 p.m. - 4:30 p.m.

0-046: Mechanisms Involved in Relaxation Responses of Uterine Artery from Pregnant Women to the Family of Calcitonin Gene Related Peptides

Madhu Chauhan, Ancizar Betancourt, Meena Balakrishnan, Chandra Yallampalli

4:30 p.m. - 4:45 p.m.

0-047: Serum Cytokines Related to Endometriosis in Patients with Multiplex Immunoassay

Heeyon Kim, Jeong Sook Kim

Scientific Program

Thursday, March 14, *continued*

4:45 p.m. - 5:00 p.m.	0-048: Maternal Loss of NLRP2 Results in Abnormal Reproductive Outcomes Independent of the Uterine Environment <i>Sara Arian, Sangeetha Mahadevan, Hadi Erfani, Rajesh Ramakrishnan, Lan Liao, Katherine Shelly, Ignatia Van den Veyver</i>
5:00 p.m. - 5:15 p.m.	0-049: C-Type Natriuretic Peptide Signaling in Human Follicular Environment and Its Relation with Oocyte Maturation <i>Maira Casalechi, Lorena P. Velozo, Veronica N. Lobach, Ines K. Cavallo, Cynthia Dela Cruz, Fernando M. Reis</i>
5:15 p.m. - 5:30 p.m.	0-050: Deciphering Molecular Pathways that Initiate Primordial Follicle Growth in Human Ovary: A Single Oocyte RNA Sequencing Study <i>Shiny Titus, Enes Tylan, Kutluk Oktay</i>
5:30 p.m. - 5:45 p.m.	0-051: Evaluating Cervical Mucus Production Using Conditionally Reprogrammed Endocervical Cells <i>Leo Han, Walker Andrews, Shan Yao, Jeffrey T. Jensen</i>
5:45 p.m. - 6:00 p.m.	0-052: Drug-Target Model for Discovering and Personalizing Endometriosis Therapies <i>Pablo Garcia-Acero, Patricia Sebastian-Leon, Alejandro Aleman, Almudena Devesa-Peiro, Patricia Diaz-Gimeno</i>
6:15 p.m. - 7:45 p.m.	Connection Corners - Impact Unpacked REGENCY 15 - HYATT REGENCY A ticketed event for new investigators to meet and connect with mid-career and senior investigators about jobs, career advice or just some friendly banter. Drinks and light appetizers provided. There will be a limited number of tickets available at the SRI Registration Desk. Table #1: From Innovation to Impact and Beyond Table #2: Your First SRI Meeting (a) Table #3: Your First SRI Meeting (b) Table #4: Meet the SRI Distinguished Lecturers Table #5: Grantsmanship Table #6: Careers Outside of Academia – Industry/Biotech Table #7: Careers Outside of Academia – Government/Policy/Media Table #8: Combining Research with Clinical Work – During Residency Table #9: Combining Research with Clinical Work – After Your Training Table #10: Creating Your Network Table #11: Communicating Science to the Public Table #12: Why You Should Become a Member of SRI! Table #13: Challenges and Opportunities for Researchers from Developing Countries Table #14: Finding Academic Mentors Table #15: Diversity in the Scientific Workplace

Scientific Program

Friday, March 15

- 7:00 a.m. – 6:00 p.m. Registration
HALL MAILLOT - LEVEL 2 - PALAIS DES CONGRÉS
- 7:00 a.m. – 8:00 a.m. **SRI Business Meeting**
AMPI BLEU - PALAIS DES CONGRÉS
All SRI members are invited and breakfast will be provided during the meeting.
- 8:00 a.m. – 9:00 a.m. **President's Distinguished Lecture II**
Exploring Epigenetic Dynamics During Mammalian Development Using X-chromosome Inactivation
AMPI BLEU - PALAIS DES CONGRÉS
Eligible for **2.0 European CME credits (ECMEC®s)/2.0 AMA PRA Category 1 Credits™**
Edith Heard, FRS
Institut Curie
- 9:00 a.m. – 11:00 a.m. **Poster Session II**
HALL MAILLOT - PALAIS DES CONGRÉS
**Coffee and croissants will be served*
- 11:00 a.m. – 12:30 p.m. **Concurrent Oral Presentations II**
Developmental Programming I
ROOM 241 - PALAIS DES CONGRÉS
Moderators: *Pascale Chavatte-Palmer, DVM, PhD*
Sathish Kumar, DVM, PhD
- 11:00 a.m. - 11:15 a.m. **0-053: Cardio-Protective Actions of Carbon Monoxide in the Developing Heart via Activation of MitoKATP Channels**
Q. Lyu, Y. Niu, S. G. Ford, W. Tong, T. A. Garrud, K. J. Botting, J. Ma, D. A. Giussani
- 11:15 a.m. - 11:30 a.m. **0-054: Antenatal Betamethasone Increases Genome-Wide DNA Access in a Dose-, Tissue-, and Gestational Age Specific Manner in Preterm Lambs**
Erin Zinkhan, Baifeng Yu, Christopher Callaway, Kurt Albertine, Robert McKnight
- 11:30 a.m. - 11:45 a.m. **0-055: Perinatal Iron-Deficiency and a High-Salt Diet Cause Long-Term Sex-Dependent Hypertension, Renal Mitochondrial Dysfunction and Oxidative Stress**
Andrew G. Woodman, Richard Mah, Danae L. Keddie, Ronan M.N. Noble, Sareh Panahi, Ferrante S. Gragasin, Hélène Lemieux, Stéphane L. Bourque
- 11:45 a.m. - 12:00 p.m. **0-056: Norepinephrine Spares Adipose Tissue in Ovine Fetuses Complicated with Placental Insufficiency**
Rosa I Luna Ramirez, Amy C. Kelly, Christopher A. Bidwell, Melissa A. Davis, Leticia E. Camacho, Miranda J. Anderson, Sean W. Limesand

Scientific Program

Friday, March 15, *continued*

12:00 p.m. - 12:15 p.m.

O-057: Childhood Adiposity and Cardiovascular Outcomes at 3 Years Following a Randomised Controlled Trial of a Behavioural Intervention in Obese Pregnant Women (the UPBEAT Trial)

Kathryn V. Dalrymple, Majella O'Keeffe, Keith M. Godfrey, Claire Singh, Annette L. Briley, Paul T. Seed, Angela C. Flynn, Lucilla Poston

12:15 p.m. - 12:30 p.m.

O-058: Repression of the Glucocorticoid Receptor Worsens Hypoxic-Ischemic Brain Injury in the Male Neonatal Rat

Katherine R Knox-Concepcion, Johnny D. Figueroa, Richard E. Hartman, Yong Li, Lubo Zhang

Fetus I

ROOM 251 - PALAIS DES CONGRÈS

Moderators: *Karin J. Blakemore, MD*

Julia C. Shaw, PhD

11:00 a.m. - 11:15 a.m.

O-059: Pregestational Maternal Diabetes-Increased miR-142 Contributes to Endoplasmic Reticulum Stress and Congenital Heart Defects by Targeting Lysine Acetyltransferases

Daoyin Dong, Peixin Yang

11:15 a.m. - 11:30 a.m.

O-060: A Multidisciplinary Strategy for Identification of Novel Candidate Genes in Prenatal Cases with Congenital Anomalies of the Kidney and Urinary Tract

Neeta L. Vora, Julie K. Holsclaw, Kelly Gilmore, Erica E. Davis

11:30 a.m. - 11:45 a.m.

O-061: Apigenin as a Candidate Prenatal Treatment for Trisomy 21: Effects in Human Amniocytes and the Ts1Cje Mouse Model

Diana W. Bianchi, Jeroen L. Pennings, Ashley Siegel, Fatimah Alsebaa, Uma Tantravahi, Faycal Guedj

11:45 a.m. - 12:00 p.m.

O-062: The Relationship between Histologic Funisitis and Biomarkers to Identify Neonates at Increased Risk of Brain Injury

Ahizechukwu C. Eke, Frances F. Northington, Allen A. Everett, Dhananjay D. Vaidya, Lavisha L. McClarin, Ernest Graham

12:00 p.m. - 12:15 p.m.

O-128: Decreased Complex 1 Expression and Impaired Mitochondrial Function in Growth Restricted Ovine Fetuses with Placental Insufficiency

Alexander L. Pendleton, Melissa A. Davis, Amy C. Kelly, Leticia E. Camacho, Miranda J. Anderson, Sean W. Limsand

Scientific Program

Friday, March 15, *continued*

12:15 p.m. - 12:30 p.m.

0-064: Placental Insufficiency Suppresses Fatty Acid Transport Proteins in the Fetal Heart

Rachel Drake, Samantha Louey, Kent L. Thornburg

Gynecology II

AMPI BLEU - PALAIS DES CONGRÉS

Moderators: *William H. Catherino, MD, PhD*

Dharani K. Hapangama, BSc, MD, MRCOG

11:00 a.m. - 11:15 a.m.

0-065: Heterogeneous Overexpression of HES6 Promotes the Growth of Uterine Leiomyomas

Joie Z. Guner, Venkata A. Jonnalagadda, Ninad M. Patil, Ramya P. Masand, Cecilia T. Valdes, William E. Gibbons, Matthew L. Anderson

11:15 a.m. - 11:30 a.m.

0-066: A Non-Surgical Murine Model of Endometriosis-Associated Pain that Predicts Response to Clinically Active Drugs

Victor Fattori, Noah S. Franklin, Rafael Gonzalez-Cano, Danielle Peterse, Erika Madrian, Waldiceu A. Verri Jr., Nick Andrews, Clifford J. Woolf, Michael S. Rogers

11:30 a.m. - 11:45 a.m.

0-067: Urinary Concentrations of Bisphenols in Relation to Uterine Leiomyomata Risk

Amelia K. Wesselink, Jennifer Weuve, Russ Hauser, Paige L. Williams, Traci N. Bethea, Michael McClean, Quaker E. Harmon, Lauren A. Wise

11:45 a.m. - 12:00 p.m.

0-068: DNA Methylation Dictates Leiomyoma Stem Cell Differentiation Through Regulating Hormone Receptor Signaling

Shimeng Liu, Ping Yin, Serdar E. Bulun

12:00 p.m. - 12:15 p.m.

0-069: The Expression and Functional Role of Long Non-Coding RNA XIST in Leiomyomas

Tsai Der Chuang, Omid Khorram

12:15 p.m. - 12:30 p.m.

0-070: YAP/TAZ are Activated by Mechanical and Hormonal Stimuli and Exhibit Increased Baseline Activation in Uterine Fibroids

MacKenzie P. Purdy, Andrew J. Haak, Merrick Ducharme, Jovanka Ravix, Daniel J. Tschumperlin, Y.S. Prakash, Qi Tan, Delphine Sicard, Elizabeth A. Stewart

Parturition II

ROOM 242AB - PALAIS DES CONGRÉS

Moderators: *Mark Phillippe, MD, MHCM*

Emmanuel Amabebe, PhD

11:00 a.m. - 11:15 a.m.

0-071: Amnion Membrane-Organ-On-Chip: An Innovative Approach to Study Cellular Interactions

Lauren Richardson, Sung Jin Kim, Arum Han, Ramkumar Menon

Scientific Program

Friday, March 15, *continued*

11:15 a.m. - 11:30 a.m.

O-072: Serum Proteomics of Term and Spontaneous Preterm Delivery in South-Asian and Sub-Saharan-African Populations

R. Khanam, N. S. Boghossian, J. Burchard, U. Dhingra, M. I. Nisar, S. Yoshida, A. C. Fox, Sera Clinical Lab, T. C. Fleischer, J. J. Boniface, D. E. Hickok, R. Bahl, S. Sazawal, F. Jehan, A. H. Baqui, AMANHI Consortium

11:30 a.m. - 11:45 a.m.

O-073: Diet-Induced Obesity Alters Baseline and Oxytocin-Stimulated Uterine Contractility in Mice

Antonina I. Frolova, Kevin K. Prifti, Jeremie L.A. Ferey, Michaela Reid, Kelle H. Moley, Sarah K. England

11:45 a.m. - 12:00 p.m.

O-074: Enhancement of Cortisol-Induced SAA1 Transcription by SAA1 in Human Amnion Fibroblasts: Implications for Parturition

Wangsheng Wang, Yi Lu, Sun Kang

12:00 p.m. - 12:15 p.m.

O-075: Labour Onset: A Consequence of Association Between PRA and ERα

Lubna Nadeem, Rathesh Balendran, Hedy Romero, Oksana Shynlova, Sam Mesiano, Stephen J. Lye

12:15 p.m. - 12:30 p.m.

O-076: Amniotic Fluid Exposomics Identifies Novel Prenatal Exposures and Metabolic Signatures in Relation to Preterm Birth

Yunjia Lai, Kun Lu, Kim Boggess, Rebecca Fry, Neeta Vora

Placenta I

ROOM MAILLOT - PALAIS DES CONGRÈS

Moderators: *Sylvie Girard, PhD*

David Owen, MD PhD

11:00 a.m. - 11:15 a.m.

O-077: Novel Non-Invasive High Intensity Focused Ultrasound Treatment of Twin-Twin Transfusion Syndrome: Cardio-Metabolic Recovery

C. J. Shaw, I. Rivens, J. Civale, K. J. Botting, Y. Niu, G. ter Haar, C. C. Lees, D. A. Giussani

11:15 a.m. - 11:30 a.m.

O-078: Modelling Haemodynamics in the Feto-Placental Vasculature of Control and Intrauterine Growth Restricted (IUGR) Rat Fetuses: Preliminary Data

Nikhilesh Bappoo, Andrew Evans, Lachlan J. Kelsey, Louis P. Parker, Yutthapong Tongpob, Carmel S. Moran, Adrian Thomson, Megan C. Holmes, Caitlin S. Wyrwoll, Barry J. Doyle

11:30 a.m. - 11:45 a.m.

O-079: A Bioengineering Approach to Study Human Trophoblast Invasion

Yassen Abbas, Lucy Gardner, Ashley Moffett, Graham J. Burton

Friday, March 15

Scientific Program

Friday, March 15, *continued*

11:45 a.m. - 12:00 p.m.

O-080: Maternal Decidual Cells Regulate Trophoblast Invasion: Studies from a Novel Organ-on-a-Chip Device

Monica A Mainigi, Sneha Mani, Cassidy Blundell, Ju Young Park, Rachel Young, Dongeun Huh

12:00 p.m. - 12:15 p.m.

O-081: Placental TRPV2 Expression is Indispensable for Fetal Growth

Katrien De Clercq, Silvia Pinto, Evy Van Den Broek, Thomas Voets, Joris Vriens

12:15 p.m. - 12:30 p.m.

O-082: Investigating the Impact of Herpes Simplex Virus Type 2 Infection on Pregnancy Outcomes in Mice

Allison M. Felker, Philip V. Nguyen, Charu Kaushic

Reproductive Endocrinology I

ROOM 252B - PALAIS DES CONGRÉS

Moderators: *Donna R. Session, MD*

Molly B. Moravek, MD, MPH

11:00 a.m. - 11:15 a.m.

O-083: Mitochondrial DNA Copy Number in Trophoblast is Not a Predictive Biomarker for Human Embryo Viability

Richard Scott III, Li Sun, Jessica Landis, Yiping Zhan, Diego Marin, Xin Tao, Emre Seli

11:15 a.m. - 11:30 a.m.

O-084: Epigenetic Alterations in Cytochrome P450 Oxidoreductase (Por) in Sperm Exposed to Tetrahydrocannabinol (THC)

Kelly S. Acharya, Rose Schrott, Edward Levin, Susan K. Murphy

11:30 a.m. - 11:45 a.m.

O-085: Oral Vitamin D Supplementation Impacts Luteinized Granulosa Cell Transcriptomics

Sofia Makieva, Gianluca Puglisi, Francesca Bonesi, Elisa Giacomini, Alessio Paffoni, Veronica Sarais, Luca Pagliardini, Enrico Papaleo, Edgardo Somigliana

11:45 a.m. - 12:00 p.m.

O-086: Euploid Pregnancy Loss Not Predicted by Embryo Morphokinetics

Dana McQueen, Dana Kimelman, Rafael Confino, Jared Robins, Lia Bernardi, John Zhang, Mary Ellen Pavone

12:00 p.m. - 12:15 p.m.

O-087: Use of Fresh vs Frozen Embryos in Donor Cycles Results in Improved Birth Outcomes in the United States: A 2013-2015 National Study

Cassandra Roeca, Rachel Johnson, Nichole Carlson, Tracy Truong, Alex J. Polotsky

Scientific Program

Friday, March 15, *continued*

- 12:15 p.m. – 12:30 p.m. **O-088: Results from a Large Retrospective Matched Cohort Study on the Impact of Endometriosis on Embryologic Parameters of an IVF Program**
Ana M. Sanchez, Luca Pagliardini, Greta C. Cermisoni, Laura Privitera, Alessandra Alteri, Laura Corti, Elisa Rabellotti, Paola Vigano
- 12:30 p.m. – 2:00 p.m. **Lunch and Learn Symposia III: *Sharing Data, Ideas and Resources to Have an Impact on Perinatal Research***
ROOM 252A - PALAIS DES CONGRÈS
 Moderators: *James Roberts, MD*
Jenny Myers, PhD
Rationale and Power of Data Sharing
Steven E. Kern, PhD
COLLECT database and CONNECT Registry – Harmonizing Data at the Point of Collection
Christopher W.G. Redman, MD
Human Evolution: HLA, KIR and Reproductive Success
Peter Parham, PhD
- 12:30 p.m. – 2:00 p.m. **Lunch and Learn Symposia IV: *The Impact of Clinical Trials on Improving Reproductive Health***
ROOM 253 - PALAIS DES CONGRÈS
 Moderator: *Thomas McElrath, MD, PhD*
The NICHD Cooperative Reproductive Medicine Network: From Concept to Clinical Practice
Esther Eisenberg, MD, MPH
Progesterone for Miscarriage: PROMISE and PRISM Trials
Arri Coomarasamy, MBChB, MD, FRCOG
- 2:15 p.m. – 4:15 p.m. **Mini Symposia II**
Genetics, Epigenetics and Metagenomics of Endometriosis: From Discovery to Therapeutics
AMPI BLEU - PALAIS DES CONGRÈS
 Eligible for **1.0 European CME credits (ECMEC®s)/1.0 AMA PRA Category 1 Credits™**
 Moderators: *Peter Rogers, PhD*
Ramakrishna Kommagani, PhD
- 2:15 p.m. – 2:45 p.m. **Heritable Genetics and Endometriosis**
Krina Zondervan, MSc, DPhil
- 2:45 p.m. – 3:15 p.m. **Somatic Mutations and Evolution of Endometriosis Species**
le-Ming Shih, MD, PhD
- 3:15 p.m. – 3:45 p.m. **Epigenetics and Endometriosis**
Serdar E. Bulun, MD
- 3:45 p.m. – 4:15 p.m. **Endometriosis and the Gut Microbiota**
Ramakrishna Kommagani, PhD

Scientific Program

Friday, March 15, *continued*

The Maternal Brain at Risk: Neurological Adaptations and Complications of Pregnancy

ROOM 251 - PALAIS DES CONGRÉS

Eligible for **1.0 European CME credits (ECMEC®s)**/1.0 AMA PRA Category 1 Credits™

Moderators: *Marilyn J. Cipolla, PhD*

Helen Feltovich, MD

- 2:15 p.m. – 2:45 p.m. **The Impact of Pregnancy and Preeclampsia on Brain Injury During Seizure**
Marilyn J. Cipolla, PhD
- 2:45 p.m. – 3:15 p.m. **Cerebrovascular Autoregulation in Pregnancy and Preeclampsia**
Eliza Miller, MD
- 3:15 p.m. – 3:45 p.m. **Brain Excitability Changes During Preeclampsia**
Ingrid Brussé, MD, PhD
- 3:45 p.m. – 4:15 p.m. **Long-Term Cerebral Structural Changes After Preeclampsia**
Timo Siepmann, MD

Developing Interventions That Address IUGR

ROOM MAILLOT - PALAIS DES CONGRÉS

Eligible for **1.0 European CME credits (ECMEC®s)**/1.0 AMA PRA Category 1 Credits™

Moderators: *Sean W. Limesand, PhD*

Laura C. Schulz, PhD

- 2:15 p.m. – 2:45 p.m. **Loss of Myostatin Alleviates Growth Restriction Due to Osteogenesis Imperfecta**
Laura C. Schulz, PhD
- 2:45 p.m. – 3:15 p.m. **Oxygen and Glucose Correction Improves Insulin Secretion in Sheep Fetuses with Placental Insufficiency**
Sean W. Limesand, PhD
- 3:15 p.m. – 3:45 p.m. **Maternal Uterine Artery VEGF Gene Therapy for Treatment of IUGR Intrauterine Growth Restriction**
Anna L. David, PhD
- 3:45 p.m. – 4:15 p.m. **Role of Statins in Preventing Placental Disorders of Pregnancy**
Maged Costantine, MD

Group B Streptococcus: Bacterial Pathogenesis, Mechanisms of Fetal Injury and Vaccine Strategies

ROOM 252B - PALAIS DES CONGRÉS

Eligible for **1.0 European CME credits (ECMEC®s)**/1.0 AMA PRA Category 1 Credits™

Moderators: *Kristina Adams Waldorf, MD*

Stephen McCartney, MD, PhD

- 2:15 p.m. – 2:45 p.m. **Epidemiology of Group B Streptococcus and Adverse Perinatal Outcomes**
Anna Seale

Scientific Program

Friday, March 15, *continued*

2:45 p.m. – 3:15 p.m.

GBS Virulence Factors and Preterm Birth

Lakshmi Rajagopal, PhD

3:15 p.m. – 3:45 p.m.

Role of the Vaginal Microbiome in Colonization and Pathogenesis of Group B Streptococcus

Amanda Lewis, PhD

3:45 p.m. – 4:15 p.m.

Development of a Global GBS Vaccine: From Concept to Clinic

Lawrence Paoletti, PhD

Reproduction Meets Engineering

241 - PALAIS DES CONGRÈS

Eligible for **1.0 European CME credits (ECMEC®s)**/1.0 AMA PRA Category 1 Credits™

Moderators: *Shannon Hawkins, MD, PhD*

Kristin Myers, PhD

2:15 p.m. – 2:45 p.m.

Organoid Modeling of Healthy and Diseased Endometrium

Hugo Vankelecom, PhD

2:45 p.m. – 3:15 p.m.

Bioengineering a 3D-Printed Bioprosthetic Ovary: A Promising Approach for Restoring Fertility and Normal Hormone Production in Surviving Cancer Patients

Ramille Shah, PhD

3:15 p.m. – 3:45 p.m.

Personalized Biomechanical Models of Pregnancy – An Engineering Perspective of Preterm Birth

Kristin Myers, PhD

3:45 p.m. – 4:15 p.m.

Electromyometrial Imaging (EMMI): A Noninvasive Technique to Measure Uterine Electrophysiology in Three Dimensions

Yong Wang, PhD

SRI-SSR Joint Session: Implications of Manipulating Immature Ovarian Follicles to Produce Healthy Mature Eggs

ROOM 242AB - PALAIS DES CONGRÈS

Eligible for **1.0 European CME credits (ECMEC®s)**/1.0 AMA PRA Category 1 Credits™

Moderators: *Joshua Johnson, PhD*

Amanda Kallen, MD

2:15 p.m. – 2:45 p.m.

Controlling the Rate of Primordial Ovarian Follicle Growth Activation

Joshua Johnson, PhD

2:45 p.m. – 3:15 p.m.

Handling Human Ovarian Cortex to Maximize Future Function and Fertility

Francesca Duncan, PhD

3:15 p.m. – 3:45 p.m.

The Production of Mature Metaphase II Eggs from the Non-growing Pool of Cortical Ovarian Follicles

Marie McLaughlin

Scientific Program

Friday, March 15, *continued*

3:45 p.m. – 4:15 p.m.

Distinct Properties of Immature Follicles in Prepubertal and Adult Ovaries: An Implication of the Endocrine Environment?

Celine Julie Guigon

4:15 p.m. – 4:30 p.m.

Coffee Break

4:30 p.m. – 6:00 p.m.

Concurrent Oral Presentations III

Clinical Perinatology II

ROOM 251 - PALAIS DES CONGRÉS

Moderators: *Laura Goetzl, MD, MPH*

Maritza G. Gonzalez, MD

4:30 p.m. – 4:45 p.m.

0-089: Exosomes Isolated from Women with Gestational Diabetes Cause Insulin Resistance and Fail to Stimulate Islet Insulin Secretion in Non-Pregnant Mice

Laura B. James-Allan, Fredrick J. Roasario, Kelsey Barner, David McIntyre, Martha Lappas, Theresa L. Powell, Carlos Salomon, Thomas Jansson

4:45 p.m. – 5:00 p.m.

0-090: The Relationship between Maternal Glucose Variability during Pregnancy and Neonatal Birthweight Percentile in Pre-Gestational Diabetic Women

Nimrod Dori-Dayana, Tali Cukierman-Yaffe, Roni Zemet, Shali Mazaki-Tovi, Rakefet Yoeli-Ullman

5:00 p.m. – 5:15 p.m.

0-091: Recurrence Risk of Hyperemesis Gravidarum in Successive Pregnancies

Michael J. Fassett, Deborah A. Wing, Sally F. Shaw, Theresa M. Im, Darios Getahun

5:15 p.m. – 5:30 p.m.

0-092: Maternal Zika Virus (ZIKV) Infection Following Vaginal Inoculation with ZIKV Infected Semen in the Pregnant Olive Baboon

Hugh C. Nadeau, Marta Maxted, Sunam Gurung, Darlene Reuter, Krista Singleton, Ashley Martin, Jamie Dubaut, Alisha Preno, Kim Hyatt, James Papin, Dean Myers

5:30 p.m. – 5:45 p.m.

0-093: Spiral Artery Remodeling in Relation to Preterm Birth and Adverse Neonatal Outcome in Preeclampsia and Fetal Growth Restriction

Laura Brouwers, Katja C.E. Drechsel, Steffie de Gier, Tatjana E. Vogelvang, Peter G.J. Nikkels, Arie Franx, Bas B. van Rijn, Floris Groenendaal

5:45 p.m. – 6:00 p.m.

0-094: The Influence of Race on Neonatal Complications after Late Preterm Birth

Cynthia Gyamfi-Bannerman, Amy L. Turitz, Alexander M. Friedman

Scientific Program

Friday, March 15, *continued*

Developmental Programming II

ROOM 252B - PALAIS DES CONGRÈS

Moderators: *Stephane L. Bourque, PhD*

Maria B. Rabaglino, DVM MSc PhD

4:30 p.m. - 4:45 p.m.

O-095: Sexually-Dimorphic Effects of Maternal Obesity on Microglial Antigen Density in the Embryonic Hippocampus: Implications for Offspring Hippocampal Learning

Andrea G. Edlow, Ruthy M. Glass, Staci D. Bilbo

4:45 p.m. - 5:00 p.m.

O-096: The Association between Caesarean-Section and Childhood Cognitive Ability in the UK Millennium Cohort Study

Michael T. Hanrahan, Louise Gibson, Fergus McCarthy, Ali Khashan

5:00 p.m. - 5:15 p.m.

O-097: Maternal Obesity (MO) in an Ovine Model Results in Disruption of Offspring (F1) Mitochondrial Respirasomes

Inês Cardoso, Teresa Cunha-Oliveira, Susana P. Pereira, Christopher Pankey, Qiurong Wang, McKenna M. Considine, Stephen Ford, Peter W. Nathanielsz, Paulo J. Oliveira

5:15 p.m. - 5:30 p.m.

O-098: Growth Trajectories of the Human Brain in Complicated Pregnancies and the Association with Neurodevelopmental Outcome at 2 Years of Age

Mila S. Welling, Sofie C. Husen, Hilmar H. Bijma, Attie T.J.I. Go, Irene A.L. Groenenberg, Sten P. Willemsen, Régine P.M. Steegers-Theunissen

5:30 p.m. - 5:45 p.m.

O-099: Activation of β -Catenin Responsive Genes through Epigenetic Reprogramming in Myometrial Stem Cells Developmentally Exposed to Endocrine Disrupting Chemicals

Qiwei Yang, Mohamed Ali, Lindsey S Treviño, Cheryl L Walker, Ayman Al-Hendy

5:45 p.m. - 6:00 p.m.

O-100: The Effect of Estriol on the Brain Function and Behavior in Offspring

Yuping Zhou, Xiao-Bing Gao

Epidemiology and Global Health

ROOM MAILLOT - PALAIS DES CONGRÈS

Moderators: *Gaurang S. Daftary, MD.*

Alireza A. Shamshirsaz, MD

4:30 p.m. - 4:45 p.m.

O-101: Neighborhood Socioeconomic Deprivation and Decidual Vasculopathy.

Vanessa Assibey-Mensah, Dara Mendez, Kelly Carey, William Parks, Janet Catov

Scientific Program

Friday, March 15, *continued*

4:45 p.m. - 5:00 p.m.

0-102: Association between Hypertensive Disorders of Pregnancy and Autism Spectrum Disorder: A Population-Based Study

Gillian M. Maher, Gerard W. O'Keeffe, Christina Dalman, Patricia M. Kearney, Fergus P. McCarthy, Louise C. Kenny, Ali S. Khashan

5:00 p.m. - 5:15 p.m.

0-103: Tizoxanide Exerts Anti-Viral Effects by Inhibiting ZIKA Virus Replication in Infected-Human Endometrial Stromal Cells (HESCs), First Trimester (FTDCs) and Term Decidual Cells (TDCs): Implications in Preventing ZIKV Infection

Ozlem Guzeloglu-Kayisli, Xiaofang Guo, Nihan Semerci, Asli Ozmen, Kellie Larsen, Aayat Sabah, Frederick Schatz, Umit A. Kayisli, Charles J. Lockwood

5:15 p.m. - 5:30 p.m.

0-104: Understanding the Epidemic of Drug Use in Pregnancy and Postpartum: A Study from the United States National Emergency Department Database

Emma Giuliani, Shani Chibber, Regina Baker, Maya Millette, Luke Burns, Courtney Townsel, Erica Marsh

5:30 p.m. - 5:45 p.m.

0-105: Racial and Ethnic Disparities in Cesarean Morbidity

Adina Kern-Goldberger, Whitney Booker, Alexander Friedman, Cynthia Gyamfi-Bannerman

5:45 p.m. - 6:00 p.m.

0-106: Time Trends in Socioeconomic Status Related Disparities in Perinatal Outcomes in the Netherlands 2000-2016

Loes C.M. Bertens, Eric A.P. Steegers, Jasper V. Been

Placenta II

AMPI BLEU - PALAIS DES CONGRÉS

Moderators: *Shiao-Yng Chan, MD, PhD, FRCOG*

Owen R. Vaughan, PhD

4:30 p.m. - 4:45 p.m.

0-107: Hand1 Impairs Angiogenesis in the Placenta

Jennifer A. Courtney, Helen N. Jones

4:45 p.m. - 5:00 p.m.

0-108: Chloroquine Enhances Targeted Nanoparticle Delivery of Epidermal Growth Factor to Human Placental Explants

Lewis Renshall, Annie Evans, Frances Beards, Susan Greenwood, Lynda Harris

5:00 p.m. - 5:15 p.m.

0-109: Derivation of Macaque Trophoblast Stem Cells: A Platform for Interrogating Gene Function in Primate Placentation

Jenna Schmidt, Michael Meyer, Gregory Wiepz, Brittany Dusek, Thaddeus Golos

Scientific Program

Friday, March 15, *continued*

5:15 p.m. - 5:30 p.m.

O-110: Molecular Characterization of Trophoblast Stem Cells Established from Complete Hydatidiform Mole

Sota Takahashi

5:30 p.m. - 5:45 p.m.

O-111: Impairment of Placental Development and Fetal Growth Due to Inflammation during Early Pregnancy: Role of Uterine Natural Killer Cells

Kelly J. Baines, Amanda M. Rampersaud, Dendra M. Hillier, Stephen J. Renaud

5:45 p.m. - 6:00 p.m.

O-112: Placental Extracellular Vesicle Signalling in Cre-loxP Mouse Model

Jessica F. Hebert, Matthew Bucher, Alina Maloyan, Terry K. Morgan

Reproductive Biology II

ROOM 241 - PALAIS DES CONGRÉS

Moderators: *Sarah Anne Robertson, PhD*

Yalda Afshar, MD, PhD

4:30 p.m. - 4:45 p.m.

O-113: A Three-Dimensional Complex Organoid Co-Culture System to Study Human Embryo Implantation In Vitro

Thomas M. Rawlings, Norikazu Ueki, Komal Makwana, Paul J. Brighton, Jan J. Brosens

4:45 p.m. - 5:00 p.m.

O-114: A Multi-Omics Approach for Assessing the Molecular Underpinnings of Early Pregnancy Loss

Sangeetha Mahadevan, Ying-Wan Wooi, Li Su, Nigel Lee, Yi-Hsien Chen, Hamssika Chandrashekar, Sung Yun Jung, T Zhandong Liu, Ignatia Van den Veyver

5:00 p.m. - 5:15 p.m.

O-115: Multi-Methodological Approach Defines Sub-Populations of Epithelial Cells in Human Endometrium

Alison Maclean, Jaipal Bhullar, Satomi Miwa, Thomas von Glinicki, Camilo De Lelis Medeiros-de-Morais, Francis L. Martin, Anthony J. Valentijn, Olga Vasieva, Nicola Tempest, Jo Drury, Dharani Hapangama

5:15 p.m. - 5:30 p.m.

O-116: Characterization of Bone Marrow-Derived Cells Contribution to Endometrial Remodeling in the Postpartum Period

Reshef Tal, Shafiq Shaikh, Harvey J. Kliman, Ramana Mamillapalli, Hugh S. Taylor

5:30 p.m. - 5:45 p.m.

O-117: Interleukin-1 β Inhibits Steroid Receptors and Other Biomarkers of Human Endometrial Stromal Cell Differentiation: Implications for Inflammation-Associated Infertility

Jie Yu, Sarah L Berga, Wei Zou, Robert N. Taylor

Friday, March 15

Scientific Program

Friday, March 15, *continued*

5:45 p.m. - 6:00 p.m.

0-118: Uterine Fluid (UF)-Derived Extracellular Vesicles (EVs) as a Potential Noninvasive Proxy of Endometrial Transcriptomic Status

Elisa Giacomini, Giulia Maria Scotti, Dejan Lazarevic, Fabio Simeoni, Ivan Molineris, Sofia Makieva, Enrico Papaleo, Giovanni Tonon, Paola Viganò

Reproductive Endocrinology II

ROOM 242AB - PALAIS DES CONGRÈS

Moderators: *Genevieve S. Neal-Perry, MD, PhD*

Amanda N. Kallen, MD

4:30 p.m. - 4:45 p.m.

0-119: Increased Levels of Thromboinflammatory Factors in Pregnant Women with PCOS at Term Detected by Quantitative Label-Free Plasma Proteomics

Riikka K. Arffman, Mayank Saraswat, Masuma Khatun, Rahul Agarwal, Tiialotta Tohmola, Susanne Lager, Inger Sundström-Poromaa, Sakari Joenväärä, Risto Renkonen, Terhi T. Piltonen

4:45 p.m. - 5:00 p.m.

0-120: Oocyte Retrieval and Maturation Rate from Very Young Pre-Menarche Girls

Gilad Karavani, Natali Schachter-Safrai, Talya Daniel - Mordechai, Ariel Revel, Tal Imbar

5:00 p.m. - 5:15 p.m.

0-121: Anti-Inflammatory Therapy Suppresses Nutrient-Stimulated Circulating Tumor Necrosis Factor- α Levels and Suppressor of Cytokine-3 Expression in Lean Women with Polycystic Ovary Syndrome (PCOS)

Frank González, Kieren J. Mather, Robert V. Considine, Anthony J. Acton

5:15 p.m. - 5:30 p.m.

0-122: Relationship between Luteal Serum and Urinary Hormones in Women Traversing Menopause: Study of Women's Health Across the Nation Daily Hormone Study (SWAN DHS)

Nanette Santoro, Samar El Khoudary, Gail L. Greendale, Dan McConnell, Alexis Nasr, Genevieve Neal-Perry, Jelena Pavlovic, Carol Derby, Ellen B. Gold

5:30 p.m. - 5:45 p.m.

0-123: Insulin Increases Kisspeptin Expression in Hypothalamus and Induces Early Puberty in Lean, Hyperinsulinemic Murine Model

Farrar L. Saleh, Aditi A. Joshi, Clare A. Flannery

5:45 p.m. - 6:00 p.m.

0-124: Ibuprofen Inhibits Expression of Key Genes Involved in Androgen Production by Rat Theca Interstitial Cells and Abrogates Effects of IL-1 β

Chelsea W. Fox, Lingzhi Zhang, Antoni Duleba

Scientific Program

Friday, March 15, *continued*

6:15 p.m. - 8:15 p.m.

Presidential Address, Awards Ceremony

AMPI BLEU - PALAIS DES CONGRÈS

**French Wine and Cheese will be served.*

Presidential Address

Murray Mitchell, DPhil, DSc, SRI President, 2018 - 2019

DeCherney Lifetime Distinguished Service Award

Norman Gant, MD

Frederick Naftolin Award for Mentorship

Jane Norman, MD

SRI Distinguished Scientist Award

Roger Smith, AM, MBBS, FRACP, PhD

President's Achievement Award

Sarah K. England, PhD



Scientific Program

Saturday, March 16

7:00 a.m. – 1:00 p.m.

Registration

HALL MAILLOT - LEVEL 2 - PALAIS DES CONGRÉS

8:00 a.m. – 10:00 a.m.

Poster Session III

HALL MAILLOT - PALAIS DES CONGRÉS

**Coffee and croissants will be served.*

10:00 a.m. – 11:30 a.m.

Concurrent Oral Presentations IV

Fetus II

ROOM 251 - PALAIS DES CONGRÉS

Moderators: Mikko Hallman, MD, PhD

Eileen I. Chang, PhD

10:00 a.m. - 10:15 a.m.

O-125: Conditional Double Deletion of Dnmt3a and Dnmt3b in the Second Heart Field Progenitors Ameliorates Maternal Diabetes-Induced Congenital Heart Defects

Penghua Yang, Peixin Yang

10:15 a.m. - 10:30 a.m.

O-126: Placental Mechanistic Target of Rapamycin (mTOR) Controls Fetal Pancreatic Beta (β) Cell Development and Function: A Potential Therapeutic Target in Intrauterine Growth Restriction (IUGR)

Fredrick J. Rosario, Sydney L. Coates, Colleen G. Julian, Lorna G. Moore, Theresa L. Powell, Thomas Jansson

10:30 a.m. - 10:45 a.m.

O-127: Preimplantation Factor Dictates Oligodendrocyte Differentiation by Modulating NCOR2 Methylation in H19 Dependent Manner

Marialuigia Spinelli, Daniel Surbek, Andreina Schoeberlein, Irene Keller, Angelique Bordey, Eytan Barnea, Michael Paidas, Martin Mueller

10:45 a.m. - 11:00 a.m.

O-063: Greater STAT3 Phosphorylation and Enhanced Mitochondrial Respiration in the Left Ventricle of Growth Restricted Ovine Fetuses

A.T. Antolic, A.L. Pendleton, A.C. Kelly, M.J. Anderson, M.A. Davis, C.A. Bidwell, L.E. Camacho, S.W. Limesand

11:00 a.m. - 11:15 a.m.

O-129: Nanoparticle-Encapsulated Antioxidant Delivery Reduces Placental Nitrosative Stress in a Sex-Specific Manner in a Rat Model of Fetal Hypoxia

E. Ganguly, M.M. Aljunaidy, J.S. Morton, R. Kirschenman, C.L. Cooke, C.P. Case, S.T. Davidge

11:15 a.m. - 11:30 a.m.

O-130: Novel Gasotransmitter Protection against Fetal Origins of Vascular Disease: The Role of Hydrogen Sulphide

B.J. Krause, T. A. Garrud, S. G. Ford, Y. Niu, D. A. Giussani

Scientific Program

Saturday, March 16, *continued*

Gynecologic Oncology

ROOM 253 - PALAIS DES CONGRÉS

Moderators: *Dineo Khabele, MD*

Rebecca Phaeton

- 10:00 a.m. - 10:15 a.m. **O-131: Targeting Sonic Hedgehog Signaling in Human Leiomyosarcoma Cells by SMO and GLI1 Inhibition**
Natalia Garcia, Katia Carvalho, Ayman Al-Hendy, Qiwei Yang
- 10:15 a.m. - 10:30 a.m. **O-132: Progesterone-Resistant Endometrial Cancers in Mice with Deletion of Pten and Dicer**
Shannon M. Hawkins, Xiyin Wang, Robert Emerson, Chi Zhang, Russell Broadus, Francesco DeMayo, John Lydon
- 10:30 a.m. - 10:45 a.m. **O-133: Circulating Exosomal miRNAs from Women with Ovarian Cancer for Early Detection and Real-Time Monitoring of Disease Progression**
Shayna Sharma, Andrew Lai, Dominic Guanzon, Terry Morgan, Lewis C Perrin, John D Hooper, Carlos Salomon
- 10:45 a.m. - 11:00 a.m. **O-134: Estriol (E3) Exposure during Pregnancy and Altered Mammary Gland Cancer - Associated Gene Expression**
Ramanaiah Mamillapalli, Jehanzeb Kayani, Joshua Huttler, Hugh S. Taylor
- 11:00 a.m. - 11:15 a.m. **O-135: The Role of Human Endothelial Colony Forming Cells in the Vascular Supply and Expansion of SKOV3-cells in a Murine Artificial Organ Xenograft Model**
Eleonor Hill, English William, Tidy John, D.O.C. Anumba, Peter Sipos
- 11:15 a.m. - 11:30 a.m. **O-136: Targeted Blockade of STAT3 Signaling Inhibits Proliferation and Collagen Production, and Induces Apoptosis of Uterine Leiomyoma and Leiomyosarcoma Cells**
Minnie Malik, Joy Britten, William Catherino

Parturition III

ROOM 252B - PALAIS DES CONGRÉS

Moderators: *Rachel M. Tribe, PhD*

Joy V. Vink, MD

- 10:00 a.m. - 10:15 a.m. **O-137: Loss of TPRV4 Attenuates NFκB Activation and Inflammation Thereby Decreasing Murine Susceptibility to LPS-Induced Preterm Labor**
Judith A. Ingles, Zahidee Rodriguez, Lihua Ying, David N. Cornfield, Cristina M. Alvira

Scientific Program

Saturday, March 16, *continued*

10:15 a.m. - 10:30 a.m.

O-138: Maternal Restrained Stress Induces Preterm Birth (PTB) is Associated with Glucocorticoid Independent Functional Progesterone (P4) Withdrawal

Kellie Larsen, Ozlem Guzeloglu-Kayisli, Asli Ozmen, Nihan Semerci, Xiaofang Guo, Frederick Schatz, Charles Lockwood, Umit Kayisli

10:30 a.m. - 10:45 a.m.

O-139: Three-Dimensional Noninvasive Electromyometrial Imaging (EMMI) of Uterine Contractions Effects of Geometric Alterations

Hui Wang, Wenjie Wu, Michael Talcott, Robert Mckinstry, Pamela K. Woodard, George A. Macones, Alan L. Schwartz, Phillip Cuculich, Alison G. Cahill, Yong Wang

10:45 a.m. - 11:00 a.m.

O-140: Non-Competitive Inhibitor of the IL-1 Receptor Prevents Leukocyte Infiltration of the Maternal Uterus and the Fetal Brain and Lung during IL-1 β -Induced Preterm Birth in Mice

Han Lee, Meghan Onushko, Xin Fang, Sylvain Chemtob, David M Olson

11:00 a.m. - 11:15 a.m.

O-141: Wavelength Specific Photo-Mediated Relaxation of Pre-Contracted Human Uterine Smooth Muscle Occurs via Endogenous Opsin 3 Receptor Activation

George Gallos, Shunsuke Hyuga, Peter Yim, Ronald Wapner, Joy Vink

11:15 a.m. - 11:30 a.m.

O-142: The Polyphenols Punicalagin and Gallic Acid May Be Novel Therapeutics for Preterm Birth

Caitlyn Nguyen-Ngo, Ratana Lim, Martha Lappas

Placenta III

ROOM 242AB - PALAIS DES CONGRÉS

Moderators: *Cathy Vaillancourt, PhD*

10:00 a.m. - 10:15 a.m.

O-143: Decreased Incorporation of Free Fatty Acids and De Novo Synthesis in Primary Human Trophoblast Cells Isolated from Obese Gestational Diabetic Women

Marisol Castillo-Castrejon, Veronique Ferchaud-Roucher, Thomas Jansson, Theresa L. Powell

10:15 a.m. - 10:30 a.m.

O-144: Reduced AMPK Signaling Impairs Placental Mitophagy in Women with Gestational Diabetes Mellitus

Hegün Yang, Yun Chen, Chandra Yallampalli, Haijun Gao

Scientific Program

Saturday, March 16, *continued*

- 10:30 a.m. - 10:45 a.m. **O-145: Spermine Synthase (SMS), a Placenta Specific X Chromosome Inactivation (XCI) Escapee, Mediates Sex-Differences in Placental Mitochondrial Function**
Irving Aye, Sung Gong, Stephen Charnock-Jones, Gordon Smith
- 10:45 a.m. - 11:00 a.m. **O-146: Iron Transport to the Fetus is Controlled by a 'Selfish' Placenta**
Veena Sangkhae, Allison L. Fisher, Tomas Ganz, Elizabeta Nemeth
- 11:00 a.m. - 11:15 a.m. **O-147: Umbilical Cord Stem Cell-Derived Exosomes as a Treatment in Hypoxic-Ischemic Brain Injury**
Gierin Thomi, Marianne S. Joerger-Messerli, Valérie Haesler, Daniel V. Surbek, Andreina Schoeberlein
- 11:15 a.m. - 11:30 a.m. **O-148: Placental Perfusion and Fetal Blood Oxygen Saturation Measured with MRI in Normal Pregnancy and Fetal Growth Restriction**
Rosalind Aughwane, Magdalena Sokolska, Dimitra Flouri, Rebecca Spencer, Katarzyna Maksym, Nada Mufti, Alan Bainbridge, David Atkinson, Giles Kendall, Jan Deprest, Tom Vercauteren, Sebastien Ourselin, Andrew Melbourne, Anna L. David

Preeclampsia II

ROOM MAILLOT - PALAIS DES CONGRÈS

Moderators: *Claire T. Roberts, PhD*
Tamara Saez, PhD

- 10:00 a.m. - 10:15 a.m. **O-149: Dysfunctional Mitochondrial Fatty Acid Oxidation Precedes the Development of Early-Onset Preeclampsia**
Kathryn J. Gray, David E. Cantonwine, Thomas F. McElrath, Richa Saxena
- 10:15 a.m. - 10:30 a.m. **O-150: Cell-Free DNA Methylation Profiles in Preeclampsia Highlight Multi-Organ Involvement Identifying Potential Targets for Future Sequelae**
Irene Corachan, Tamara Garido-Gomez, Davide Bau, Roser Navarro, David Blesa, Alfredo Perales, Antonio Diez-Juan, Carlos Simon
- 10:30 a.m. - 10:45 a.m. **O-151: Umbilical Cord Mesenchymal Stromal Cell-Derived Exosomes Ameliorate Preeclampsia-Associated Fetal Loss/Growth Restriction and Modulate Intrauterine Macrophage Populations**
Elizabeth Taglauer, Gareth Willis, Angeles Fernandez-Gonzalez, Reis Monica, Xianlan Liu, Alex Mitsialis, Stella Kourembanas

Scientific Program

Saturday, March 16, *continued*

10:45 a.m. - 11:00 a.m.

0-152: Effects of Syncytiotrophoblast Extracellular Vesicles on Angiotensin II-Induced Vasoconstriction in Uterine Arteries from Lectin-Like Oxidized LDL Receptor-1 Overexpressing Mice
Floor Spaans, Jude S. Morton, Raven Kirschenman, Tatsuya Sawamura, Dionne S. Tannetta, Ian L. Sargent, Sandra T. Davidge

11:00 a.m. - 11:15 a.m.

0-153: Preeclampsia is Associated with Impaired Lymphangiogenic and Immune Cell Trafficking Function of Decidual Lymphatic Endothelial Cells
Ja-Young Kwon, Hanoll Pi, Yun Ji Jung, Yejin Park, Ha-Yan Kwon, Yong-Sun Maeng

11:15 a.m. - 11:30 a.m.

0-154: Regulatory T Cell Deficiency Increases Resistance to Uteroplacental Blood Flow, Leading to Fetal Growth Restriction
Alison S. Care, Stephane L. Bourque, Jude S. Morton, Emma P. Hjartarson, Jacqueline Humphries, Sandra T. Davidge, Sarah A. Robertson

Reproductive Biology III

ROOM 241 - PALAIS DES CONGRÉS

Moderators: *Kutluk H. Oktay, MD, PhD*

Nathalie di Clemente, PhD

10:00 a.m. - 10:15 a.m.

0-155: Fate Map of Decidual Innate Lymphoid Cells Reveals Gestational Plasticity
Aleksandar K. Stanic, Yan Li, Jessica Vazquez

10:15 a.m. - 10:30 a.m.

0-156: Estrogen Induces Ciliogenesis in 3D Organoid Cultures of Human Endometrial Glands
Sandra Haider, Magdalena Gamperl, Leila Saleh, Jürgen Pollheimer, Paulina Latos, Martin Knöfler

10:30 a.m. - 10:45 a.m.

0-157: Reconstitution of Oogenesis in Mice using Bone Marrow-Derived Stem Cells Aggregated with Fetal Ovarian Somatic Cells
Jessica J. Martin, Paulo H.A. Campos, Dori C. Woods, Jonathan L. Tilly

10:45 a.m. - 11:00 a.m.

0-158: Novel Decidual Immune Cell Subsets are Revealed through Single Cell RNA-Seq

Adam Jelinski, Hani Qadri, Shuang-Yin Wang, Nadma Elefant, Debra Goldman-Wohl, Ronit Gilad, Yishai Sompolinsky, Ofer Mandelboim, Ido Amit, Simcha Yagel

Moved to Poster Session

Scientific Program

Saturday, March 16, *continued*

11:00 a.m. - 11:15 a.m. **O-159: Isolation of Putative Human Oogonial Stem Cells by a NANOG SmartFlare RNA Detection Probe and Fluorescence-Activated Cell Sorting (FACS)**

Yvonne L. Clarkson, Christos Lamprianidis, Marie McLaughlin, Martin Waterfall, Richard A. Anderson, Evelyn E. Telfer

11:15 a.m. - 11:30 a.m. **O-160: Regulatory T Cells are a Key Agent of Progesterone Effects in Early Pregnancy**

Ella S. Green, Lachlan M. Moldenhauer, Shaun M. McColl, Sarah A. Robertson

11:30 a.m. - 1:00 p.m. **Hot Topics and Awards Luncheon**

AMPI BLEU - PALAIS DES CONGRÉS

Moderators: *Emre Seli, MD*

Irina Burd, MD, PhD

11:30 a.m. - 11:45 a.m. **Targeting Ceramide Kinase and Ceramide-1-Phosphate to Limit Endometriosis Lesion Vascularization**

Joan Xiaohui Yang, Louise Wen Yi Low, Bernard Su Min Chern, Jerry Kok Yen Chan, Roger Kamm, Yie Hou Lee

11:45 a.m. - 12:00 p.m. **NKG2A Regulates NK Cell Education to Optimise Fetal Growth in Mice**

Norman Shreeve, Jens Kieckbusch, Elisa Balmas, Delia Hawkes, John Sled, Francesco Colucci

12:00 p.m. - 1:00 p.m. **Awards Ceremony**



HAVE YOU HEARD ABOUT THE

The SRI Foundation was established to support members of the society in the areas of:



Career Development & Mentorship



Lectureships & Education



Travel Awards



Research Grants

HOW YOU CAN HELP!

SRI has committed a gift to the SRI Foundation of \$500,000 to establish a base from which to grow to reach our initial goal of \$1,000,000. Help us reach our goal!

- DONATE ONLINE
www.sri-online.org/give
- COMPLETE A DONATION/PLEDGE FROM
These can be found at the SRI Registration Desk!
- GIFTS IN HONOR AND GIFTS IN MEMORY
- GIFT OF STOCK
- PLANNED GIFT
- BEQUEST

**Stop by the registration desk to make a
donation or for further information!**

Thank You to Our 2019 Poster Judges

Please note - this list was pulled in January 2019

Yalda Afshar, MD PhD
Emmanuel Amabebe, PhD
Prashanth Ananthathmakula, PhD
Dilly O. Anumba, MD, FRCOG, LLM
(Medical Law)
Cemsel Bafligil, MSc
Laxmi V. Baxi, MD
Sarah Berga, MD
Craig J. Bierle, PhD
Silvina M. Bocca, MD, PhD, HCLD, CC
Andrea Borini, MD
Stephane L. Bourque, PhD
Egle Bytautienė Prewit, MD, PhD
Isabella Caniggia, MD, PhD
Alison S. Care, PhD
Janet M. Catov, PhD, MS
John R.G. Challis, PhD, FRCOG, FRSC
Linda Ruth Chambliss, MD, MPH
Shiao-yng Chan, MD, PhD, FRCOG
Stephen Charnock-Jones, PhD
Pascale Chavatte-Palmer, DVM, PhD
Marilyn J. Cipolla, PhD
Ai-ris Y. Collier, MD
Hilary O.D. Critchley, MBChB, MD
Gaurang S. Daftary, MD
Sandra T. Davidge, PhD
Alan H. DeCherney, MD
Evdokia Dimitriadis, PhD
Francisco Dominguez, PhD
Michael J. Fassett, MD
Liping Feng, MD
Clare Ann Flannery, MD
Idhaliz Flores, PhD
Haijun Gao, PhD
Jennifer B. Gilner, MD, PhD
Sylvie Girard, PhD
Natalia I. Gokina, PhD
Laura T. Goldsmith, PhD
Nardhy Y. Gomez-Lopez, PhD
Michael G. Gravett, MD
Kathryn Gray, MD, PhD
Mikko N. Hallman, MD, PhD
Christina S. Han, MD
Natalie Hannan, PhD
Dharani K. Hapangama, BSc, MD,
MRCOG

Shannon M. Hawkins, MD, PhD
Jessica F. Hebert, PhD
Oskari M. Heikinheimo, MD, PhD
Hanns P. Helmer, MD
Denise G. Hemmings, PhD
Iffath A. Hoskins, MD
Nicholas P. Illsley, DPhil
Thomas Jansson, MD, PhD
Arundhati Jayabalan, MD
Patricia Jimenez, MD
Joshua Johnson, PhD
Helen N. Jones, PhD
Tu'uhevaha J. Kaitu'u-Lino, PhD
Ludwig. Kiesel, MD, PhD
Sathish Kumar, DVM, PhD
Uwe Lang, MD, PhD
Martha Lappas, PhD
Sean W. Limesand, PhD
Monica A. Mainigi, MD
Shintaro Makino, MD
Chiara Mandò, PhD
Tracy A. Manuck, MD
Erica E. Marsh, MD, MSCI
Sarah A. Marshall, MSc, PhD
Tetsuo Maruyama, MD, PhD
Keiichi Matsubara, MD, PhD
Thomas Frederick McElrath, MD, PhD
Elizabeth A. McGee, MD
Zaher Merhi, MD, HCLD
Sam A. Mesiano, PhD
Eliza C. Miller, MD
Molly B. Moravek, MD, MPH
Terry K. Morgan, MD, PhD
Ozgul Muneyirci-Delale, MD
Kristin M. Myers, PhD
Lubna Nadeem, PhD
Nihar R. Nayak, DVM, PhD
Guiying Nie, PhD
Errol R. Norwitz, MD, PhD, MBA
Kutluk H. Oktay, MD, PhD
George J. Osol, PhD
Michael J. Paidas, MD
W. Tony Parks, MD
Felice Petraglia, MD
Sophie Petropoulos, PhD
Mark Phillippe, MD, MHCM

Lawrence D. Platt, MD
Robert W. Powers, PhD
Maria B. Rabaglino, DVM, MSc, PhD
Augustine Rajakumar, PhD
Torsten M. Reinheimer, PhD
Claire T. Roberts, PhD
Ghassan M. Saed, PhD
Tamara Sáez, PhD
Carolyn Margaret Salafia, MD, MS
Carlos Salomon, PhD, DMedSc, MSc
Joaquin Santolaya-Forgas, MD, PhD
James H. Segars, MD
Donna R. Session, MD
Alireza A. Shamshirsaz, MD
Panicos Shangaris, MBBCh, BAO, MSc,
MRCOG
Oksana Shynlova, PhD
Melissa Andrea Simon, MD, MPH
Cynthia K. Sites, MD
Victoria Snegovskikh, MD
Robert J. Sokol, MD
Joanne Stone, MD
Pamela Stratton, MD
Emily J. Su, MD
Reshef Tal, MD, PhD
Robert N. Taylor, MD, PhD
Jose Teixeira, PhD
Loralei L. Thornburg, MD
Cathy Vaillancourt, PhD
Arne Vanhie, MD
Michael W. Varner, MD
Ian M. Vasicka, MD
Joris Vriens, Professor
Ian C.G. Weaver, PhD
Stephanie R. W. Wesolowski, PhD
Shannon D. Whirledge, PhD, MHS
Virginia D. Winn, MD, PhD
Chandrasekhar Yallampalli, DVM, PhD
Qiwei Yang, PhD
Steven L. Young, MD, PhD
Liang Yu, PhD
Tamas Zakar, MD, PhD
Miguel A. Zarate, PhD, DVM
Chi Zhou, PhD

SRI Grant Opportunities

SRI is pleased to announce the recipients of the SRI International Training Grant Program, and the SRI and Bayer Discovery/Innovation Grants.

The International Training Grant provides three trainees, at \$5,000 each, an opportunity to obtain research experience in an Institution outside of their home country for 4-8 weeks. The 2018-2019 recipients are:

Celine Chalas, PhD

Universite Paris Descartes

Sara L. Hillman, BSc, MBBS, PhD

University College London

Nada Abdelmoneim Sallam, PhD

University of Calgary

The SRI and Bayer Discovery/Innovation Grants, established in 2017, provide up to seven individuals with research focused on novel treatment options and animal models, a one-year grant in the amount of \$15,000. These awards are made possible by a generous grant from Bayer HealthCare LLC. Recipients to date include:

For the 2018-2019 Year:

Enitome E. Bafor, PhD

University of Benin, Nigeria

Modification of polycystic ovary syndrome outcome through therapy with alphatocopherol and ascorbic acid using mouse models

Erkan Buyuk, MD

Albert Einstein College of Medicine

Effect of obesity and diet rich in advanced glycation end products on ovarian function

Valerie A. Flores, MD

Yale University

Molecular Targets for Precision Medicine in Endometriosis

Niraj R. Joshi, PhD

Michigan State University

Therapeutic Targeting of Endometriotic Lesions by NOTCH Inhibition

Jennifer F. Knudtson, MD

University of Texas Health Science Center at San Antonio

The Effects of 4-MU on the Early Endometriotic Lesion

Amanda L. Patterson, PhD

Michigan State University, College of Human Medicine

The Role of Periostin in Uterine Fibroid Pathogenesis

Elliott G. Richards, MD

Cleveland Clinic

The role of endometrial endothelium resident ECFCs in the pathogenesis of endometriosis

For the 2019-2020 Year:

Idhaliz Flores, PhD

Ponce Health Sciences University - Ponce Research Institute

Histone methylation as a therapeutic target in endometriosis

Jitu W. George, PhD

Michigan State University

Role of CBX family proteins in uterine fibroid proliferation and fibrosis

Tae Hoon Kim, PhD

Michigan State University

The pathophysiology of progesterone resistance in endometriosis

Zaher Merhi, MD, HCLD

Albert Einstein College of Medicine

Role of toxic dietary AGEs in ovarian function

Kaitlyn A. Wald

University of California San Francisco

Assessment and Prevention of Pain During Ovarian Stimulation in Patients with Endometriosis (Appose Trial)

2019 Awards

The Society for Reproductive Investigation is pleased to be able to provide the following awards at our 2019 Annual Scientific Meeting:

President's Plenary Award

Recognizes the four highest ranked abstracts chosen for presentation at the President's New Investigator Plenary. The recipients of the award will each be presented with a \$1,000 award directly following the President's New Investigator Plenary. These awards are supported by the SRI Past Presidents' Fund.

Early Career Investigator Award – NEW in 2019!

The Early Career Investigator Travel Award, with support from the National Institutes of Health, was established to enhance the career development of early investigators by facilitating interaction with other scientists in the field, development of research collaborations, and exposure to the latest technologies and scientific developments in reproductive biology and medicine. Early career investigators are defined as individuals who have completed their terminal research degree or end of post-graduate clinical training, whichever date is later, within the past 10 years and who has not previously competed successfully as PD/PI for a substantial NIH independent research award. Up to four \$1,000 travel awards and certificates will be given beginning in 2019 to awardees who will be selected by competitive review of abstracts submitted to each annual SRI meeting by the Program Committee, with special regard paid to representation of women and minorities.

The SRI Travel Awards

The SRI Travel Awards were established in 2018 to support the attendance of In Training Investigators at the Annual Meeting and recognize trainees for the high quality of their abstracts. In Training Investigators and/or your PI are required to be an SRI Member to be considered for the SRI Travel Awards. Up to a total of 50 Awards will be given to intercontinental* (\$1,000 - North America based), and continental* (outside of North America) In Training Investigators (\$500). The awardees will be recognized at the Annual Meeting by having their names placed both on a sign, as well as on a slide projected throughout the meeting.

*Intercontinental and Continental will change based on where the Annual Meeting is located. For 2019, Continental refers to awardees located outside of North America. Intercontinental refers to awardees located in North America.

SRI President's Presenter's Award

Originally established in 1996 as the Wyeth President's Presenter Award to recognize the 25 most meritorious oral abstracts submitted by individuals still in training. Fellows and those in both pre and post-doctoral training are eligible to receive the award. SRI Membership is not required to be considered for the award. The 25 awardees will receive a certificate and a \$1,000 award, and they and their training directors will be honored directly following the President's New Investigator Plenary at the Annual Meeting. The Society has always sought a means by which to encourage young investigators to present their research at our meeting. We anticipate the SRI President's Presenter's Award will encourage more abstract submissions and higher quality abstracts by the very people who need encouragement to consider a research career.

2019 Awards

Laxmi Baxi Award

Established in 2013 and will be awarded to PhD individuals only, who are either graduate students still in training or postdoctoral fellows within five years of their PhD degree. Two \$1,000 travel awards will be given to the top abstracts in basic reproductive science and in translational reproductive science. The awardees will receive a plaque, award and they will be honored at the SRI Annual Meeting Awards Ceremony. This award is made possible by a generous, long-standing member of SRI, Dr. Laxmi Baxi, and was created to encourage young PhD trainees to present their research at our meeting.

Thomas McDonald Award

Acknowledges the highest ranked abstract by an in training investigator within the field of fetal neuroscience. This award honors the legacy of Dr. McDonald, whose immense contributions to the field of obstetrics and gynecology focused upon the neuroendocrinology of the developing fetus, placental function, fetal brain development, and the uterine contractility. The \$750 monetary award and certificate will be presented at the Awards Ceremony during the SRI Annual Scientific Meeting.

Giorgio Pardi Foundation Awards

Provide a \$1,000 monetary award to a Junior Scientist as well as the three best young worthy investigators coming from Italian Universities. The award winners will be presented at the Awards Ceremony during the SRI Annual Scientific Meeting.

SRI In Training Investigator Poster Awards

Initiated at the 2010 SRI Annual Meeting in Orlando, Florida, two senior investigators will be discussing/judging posters presented by in training investigators. The Poster Presenter will summarize their work for the judges, followed by questions from the poster discussants/judges. Certificates and \$100 monetary awards will be given to the best 20 posters at the SRI Annual Meeting Hot Topics and Awards Luncheon.

Underrepresented Minority Registration Awards

To both encourage global participation and further diversify the Annual Meeting, SRI offers Awards to allow discounted Annual Meeting registration for 25 individuals who are underrepresented in their country or originate from a low-income, lower-middle-income, or upper-middle-income country. The awardees will be recognized at the Annual Meeting.

About SRI

It started in 1953...

when a small group of physician-scientists and a basic researcher studying hypertensive disorders of pregnancy proposed the formation of an “Eclampsia” or “Toxemia” society. Leaders of the group included Drs. Nicholas Assali, Leon Chesley, Edward Davis, William Dieckmann, Russel de Alvarez, Louis Hellman, and Ernst Page. In Dr. Larry Longo’s book, *A Short History of the Society for Gynecologic Investigation*, he states that the “Society of University Gynecologists”, as it was first called, was organized “...to stimulate, encourage, and to provide opportunities for investigators in obstetrics and gynecology to enter into free exchange of ideas to the end of increasing knowledge and techniques in this field. It was intended primarily for individuals who are giving full or considerable time to teaching and research, either in obstetrics and gynecology or in the fields kindred or related thereto.”

The first official meeting of the Society of University Gynecologists was held on June 15, 1953, at the Yale Club in New York City. The first annual meeting took place in December of 1953 in Cincinnati, OH, with a programmatic focus on toxemias of pregnancy. During this time, the leadership contemplated whether the name of the society was truly representative of the overarching interests of the members. While the name was formally changed to “Society for Gynecologic Investigation” at the annual meeting in Chicago in 1954, the topic was re-visited over the years, and in the summer of 2013, as a part of an SGI Executive Council strategic planning discussion, the name of the Society was re-evaluated, and in 2014 it was changed to the current, “Society for Reproductive Investigation.”

The Society adopted its first journal in 1970, which was termed “*Gynecological Investigation*”, and became the society’s official publication, with Walter Hermann serving as Editor-in Chief. Publication was stopped shortly thereafter, in 1975. All SGI proceedings were subsequently published by the American Journal of Obstetrics and Gynecology, with Dan Mishell as the SGI Editor. The SGI re-initiated its own journal in 1994, *The Journal of the Society for Gynecologic Investigation*, with Roger Lobo as its first Editor. In 2007 under Hugh Taylor’s leadership, the Society’s journal has morphed again to its current title, *Reproductive Sciences*.

From its initial roster of 15 members, the Society has grown in numbers and diversity, with 93 members in 1964 to nearly 300 members in 1978, and to the 2016 membership of almost 1,000 worldwide. One-third of the members are basic scientists and two-thirds are clinical investigators. SRI members conduct basic, translational and clinical investigation in the reproductive sciences and women’s health. Areas of focus include obstetrics, perinatology, reproductive genetics, gynecology, gynecologic oncology, reproductive endocrinology, reproductive physiology, biochemistry, pharmacology, immunology, epidemiology, reproductive infectious disease and reproductive stem cell and developmental biology. Many members hold esteemed government level grants and serve on study sections and advisory councils for national agencies and private foundations.

About SRI

Mission Statement

The mission of the Society for Reproductive Investigation (SRI) is to advance reproductive and women's healthcare through outstanding basic, translational, and clinical science and by training and mentoring future generations of investigators.

Membership

Regular Membership may be conferred on those individuals who provide evidence of a doctorate degree (MD, PhD, DPharm) and evidence of at least two (2) years of research experience including, but not limited to, postdoctoral, basic science or clinical fellowship. While a minimum of two (2) years should have been spent in this research career, there is no requirement that the nominee should have worked at his/her current institution for two (2) years.

Associate Membership is for individuals involved in research and/or health care in Obstetrics and Gynecology, Reproductive Medicine and Biology, or allied fields. This category includes laboratory managers, technologists, clinical research nurses and study coordinators, medical marketing and promotion, non-academic-based researchers, pharmaceutical/biotechnology representatives, among others.

Emeritus Membership Each member of the Society shall, upon reaching his/her sixty-fifth (65) birthday and working no more than 25 percent, provide a written statement in order to become eligible for "Emeritus" status. The member may elect to stay active for as long as he/she wishes. Once a member elects "emeritus status", he/she shall be entitled to all the rights and privileges of the Society, but will not have to pay annual dues, will not be asked to vote, and will not be eligible to be an elected officer.

Honorary Membership in the SRI is awarded to an individual who has achieved recognition for scientific contributions of an original nature in reproductive biology in which he/she has personally actively participated. This person should have demonstrated by past performance and future objectives that this interest in reproductive biology is dynamic. The individual need not necessarily occupy a position in an institution of higher learning, nor necessarily function in a medical or paramedical area. Honorary Members shall enjoy all of the rights and privileges of other members of the Society, except that they shall not be required to pay any dues or assessments, shall not be entitled to vote at any regular or special meetings of members, nor to hold any elective or appointive office in the Society.

In Training Membership is available for members who are not in a faculty position. They must be a full-time postdoctoral trainee, resident, fellow or student enrolled in a formal approved training program leading to a degree (BA, BS, MD, PhD, MS, MPH, and DVM). Candidates will be proposed by a member in good-standing of the Society. The In Training member will pay nominal dues sufficient to cover administrative costs, may participate in all activities of the Society and subscribe to the Society's journal but may not sponsor abstracts or vote. This status expires when the member completes training at which time application for regular membership is expected.

NEW FOR 2019-2020! Developing Country Dues Rate

Beginning in 2019, SRI will be offering a reduced membership dues rate for those currently working in a developing country (as defined by the World Bank).

DEVELOPING COUNTRY REGULAR MEMBERSHIP DUES - \$75

DEVELOPING COUNTRY ASSOCIATE & IN TRAINING MEMBERSHIP DUES - \$50

SRI Council & Staff

2018 – 2019 Council

President

Murray D. Mitchell, DPhil, DSc
Queensland University of Technology

Immediate Past President

Sandra T. Davidge, PhD
University of Alberta

President Elect

James H. Segars, MD
Johns Hopkins University School of Medicine

President Nominee

Nanette F. Santoro, MD
University of Colorado

Secretary Treasurer

Ian M. Bird, PhD (2020)
University of Wisconsin-Madison

Council Members

Phillip R. Bennett, MD, PhD (2019)
Imperial College London

Elizabeth Ann Bonney, MD, MPH (2019)
University of Vermont

Stephen Matthews, PhD (2020)
University of Toronto

Sam Mesiano, PhD (2020)
Case Western Reserve University

Thomas Jansson, MD, PhD (2021)
University of Colorado Anschutz Medical Campus

Asgerally T. Fazleabas, PhD (2021)
Michigan State University

**In Training Ad Hoc Council Member
Floor Spaans, PhD**
University of Alberta

Staff

Anne Krolkowski, CAE
Executive Director
(akrolkowski@sri-online.org)

Leah Miller
Associate Executive Director
(lmiller@sri-online.org)

Morgan Derby
Program Manager
(mderby@sri-online.org)

Michelle Holm
Meetings Manager
(mholm@sri-online.org)

Nicole Plank
Administrative Coordinator
(nplank@sri-online.org)

Thursday, March 14, 2019 - Poster Session I - Hall Maillot

10:00 AM - 12:00 PM

Poster Session

T-009

Maternal Gut Microbial-Immune Interactions during Healthy Pregnancy.

Denise Chan¹, Yun S Lee², TG Teoh², Phillip R Bennett², David A MacIntyre², Maria C Collado², Lynne Sykes², ¹Imperial College London, London, United Kingdom; ²March of Dimes European PRC and Parturition Research Group, Imperial College London, London, United Kingdom; ³The Institute of Agrochemistry and Food Technology, Spanish National Research Council, Valencia, Spain.

T-010

An Investigation of 16S rRNA Gene Analysis Platforms for Processing Samples Acquired from Preterm Neonates.

Holly J Jenkinson¹, Matthew J Hyde, Neena Modi, Julian Marchesi¹, Imperial College London, London, United Kingdom.

T-011

A Specific Vaginal Bacterial DNA Signature in Low-Risk Asymptomatic Women in Mid-Pregnancy Predicts High Risk of Spontaneous Preterm Birth.

Jeffrey A. Keegan, Matthew S Payne, Dorota A Doherty, Newnham P John¹, University of Western Australia, Perth, Australia.

T-012

Neutrophils Infiltration Leads to Acute Lung Injury in CCR2 Deficiency Sepsis Mice Model.

Noor Mohd Nasir^{1,2}, James Leiper², Mark Johnson², ¹Imperial College London, London, United Kingdom; ²Universiti Kebangsaan Malaysia, Kuala Lumpur, Malaysia; ³University of Glasgow, Glasgow, United Kingdom.

T-013

SIRT/NRF2/HO-1 Anti-Oxidant Defense System in Pregnancy and Neonatal Outcomes.

Maide Ozen, Su Li, Ji Yeon Lee, Anna Chudnovets, Jie Dong, Michael McLane, Jun Lei, Irina Burd, Johns Hopkins University, Baltimore, MD, United States.

T-014

Characterisation of Normal and Low Density Granulocytes in Pregnancy, Term Labour, and Women at High Risk of Preterm Labour.

Maha Alqurashi¹, Shannon Thuraiarajah¹, Malko Adan¹, Denise Chan¹, TG Teoh², Phillip R Bennett², Ingrid Muller¹, Pascale Kropf^{1,2}, Lynne Sykes², ¹Imperial College, London, United Kingdom; ²March of Dimes European PRC and Parturition Research Group, Imperial College London, London, United Kingdom.

T-015

Characterisation of Peripheral Blood Neutrophil Phenotype and Effector Functions during Pregnancy, Labour and in Women at High Risk of Preterm Labour.

Shannon Thuraiarajah¹, Maha Alqurashi¹, Denise Chan¹, Rachel Akers¹, TG Teoh², Phillip R Bennett², Ingrid Muller¹, Pascale Kropf^{1,2}, Lynne Sykes², ¹Imperial College, London, United Kingdom; ²March of Dimes European PRC and Parturition Research Group, Imperial College London, London, United Kingdom.

T-016

Characterization of a New Murine Model of Inflammation-Induced Preterm Birth.

Hannah Zierdt¹, Jairo Ortiz Ortiz¹, Peter Dimitroff¹, Victoria Laney¹, Sabine Bensouda¹, Nicole Anders¹, Brigitte Ronnett¹, Mala Mahendroo², Justin Hanes¹, Laura Ensign¹, ¹Johns Hopkins University, Baltimore, MD, United States; ²University of Texas Southwestern, Dallas, TX, United States.

T-017

Progesterone Combined with a Histone Deacetylase-Inhibitor Prevents Inflammation-Induced Preterm Birth.

Hannah Zierdt¹, Jairo Ortiz Ortiz¹, Kevin DeLong¹, Peter Dimitroff¹, Sabine Bensouda¹, Victoria Laney¹, Justin Hanes¹, Mala Mahendroo², Gunter Wagner², Laura Ensign¹, ¹Johns Hopkins University, Baltimore, MD, United States; ²University of Texas Southwestern, Dallas, TX, United States; ³Yale University, New Haven, CT, United States.

BASIC PARTURITION, PREMATURITY

T-001

Urinary Phenol and Paraben Concentrations during Pregnancy and Circulating Microparticle Protein Expression.

David E Cantonwine¹, John D Meeker², Kelly K Ferguson³, Kevin P Rosenblatt^{4,5}, Brian Brohman⁴, Thomas F McElrath¹, ¹Brigham and Women's Hospital, Boston, MA, United States; ²University of Michigan School of Public Health, Ann Arbor, MI, United States; ³National Institute of Environmental Health Sciences, Durham, NC, United States; ⁴University of Texas Health Science Center at Houston, Houston, TX, United States; ⁵NX Prenatal Inc., Louisville, KY, United States.

T-002

The Metabolomic Clock of Human Pregnancy.

Liang Liang¹, Marie-Louise H Rasmussen², Brian Piening³, Hannes Röst⁴, Songjie Chen¹, Line Skotte², Kevin Contrepas¹, Bjarke Feenstra², Michael Snyder¹, Mads Melbye^{2,3}, ¹Stanford University, Stanford, CA, United States; ²Statens Serum Institut, Copenhagen, Denmark; ³Providence Portland Medical Center, Portland, OR, United States; ⁴University of Toronto, Toronto, ON, United States.

T-003

Genetic Variants in the Oxytocin Receptor Alter Receptor Function and Expression.

Manasi Malik¹, Naiti Shi¹, Geraldine Serwald¹, Grace Y Lee¹, Antonina I Frolova¹, Sarah K England¹, Washington University in St Louis, St Louis, MO, United States.

T-004

Aging Telomeres in Fetal Membranes: A Telomere Gestational Clock.

Mark Phillippe¹, Michala R Sawyer, Massachusetts General Hospital, Boston, MA, United States.

T-005

Restricted Mating Windows Improve the Precision of Parturition Timing in Mice.

Jackson H Rogers¹, Naoko Brown¹, Shajila Siricilla¹, Ronald McCarthy², Carmel Martin-Fairey², Sarah K England², B.C. Paria¹, Jeff Reese¹, Jennifer L Herington¹, ¹VUMC, Nashville, TN, United States; ²Washington University, St. Louis, MO, United States.

T-006

Progesterone Blocks Cervix Ripening and Birth at Term.

Steven M. Yellon¹, Michael A Michael, Loma Linda University, Loma Linda, CA, United States.

T-007

Urinary Phthalate Concentrations during Pregnancy and Circulating Microparticle Protein Expression.

David E Cantonwine¹, John D Meeker², Kelly K Ferguson³, Kevin P Rosenblatt^{4,5}, Brian Brohman⁴, Thomas F McElrath¹, ¹Brigham and Women's Hospital, Boston, MA, United States; ²University of Michigan School of Public Health, Ann Arbor, MI, United States; ³National Institute of Environmental Health Sciences, Durham, NC, United States; ⁴University of Texas Health Science Center at Houston, Houston, TX, United States; ⁵NX Prenatal Inc., Louisville, KY, United States.

T-008

Chorio-Deidua Infection in Rhesus Macaques Causes Maternal and Fetal Inflammation without Inducing Preterm Labor.

Monica Cappelletti¹, P Presicce¹, P Senthamarakanann², D Beckman², C Jackson², S Mukherjee², L Miller⁴, J Morrison³, A Jobe⁴, S Divanovic⁵, SS Way¹, C Choungnet², Suhas Kallapur¹, ¹University of California Los Angeles, Los Angeles, CA, United States; ²Cincinnati Children's Hospital Medical Center, Cincinnati, OH, United States; ³California National Primate Research Center, Davis, CA, United States; ⁴California National Primate Research Center, Davis, CA, United States; ⁵Cincinnati Children's Hospital Medical Center, Cincinnati, OH, United States.

Thursday, March 14, 2019 - Poster Session I - Hall Maillot

- T-018 LPS-Induced Intrauterine Inflammation and Decidua Neutrophil Signaling is TNF-Dependent in Rhesus Macaques.**
Pietro Prosciocco,¹ F Mat,² M Cappelletti,¹ P Senthamarakannan,³ M Morselli,² M Pellegrini,² C. Jackson,³ S Mukherjee,³ A. Jobet,³ L. Miller,⁴ C Choungnet,³ S. Suhag G. Kallapur,¹ ¹UCLA David Geffen School of Medicine, Los Angeles, CA, United States; ²UCLA, Los Angeles, CA, United States; ³Cincinnati Children's Hospital Medical Center, Cincinnati, OH, United States; ⁴University of California Davis, Davis, CA, United States.
- T-019 Targeting Mechanotransduction Mechanisms and Tissue Weakening Signals in the Human Amniotic Membrane.**
David Barrett, Queen Mary University of London, London, United Kingdom.
- T-020 Assessment of Cervical Softening using Shear Wave Elasticity Imaging: A Comparison of Human and Rhesus Macaque Models.**
Lindsey Carlson,¹ Ivan Rosado-Mendez,² Mark Palmer,³ Andrew Santos,⁴ Quinton Querret,¹ Helen Fellovich,^{1,4} Timothy Hall,¹ ¹University of Wisconsin-Madison, Madison, WI, United States; ²Universidad Nacional Autonoma de Mexico, Mexico City, Mexico; ³Duke University, Durham, NC, United States; ⁴Intermountain Healthcare, Provo, UT, United States.
- T-021 Glucocorticoid Weakens Fetal Membranes via IL-1 β Production by Amniotic Fluid Macrophage.**
Hikaru Kiyokawa,¹ Haruta Mogami, Yoshitsugu Chigusa, Eiji Kondoh, Masaki Mandai, Kyoto University, Kyoto, Japan.
- T-022 MALDI-IMS Identifies Cervix Biomarkers Indicative of Premature Labor.**
Jackson H Rogers,¹ Jennifer L. Herington,¹ Michelle Reyzer,² Michael Tuck,² Naoko Brown,¹ B.C. Paria,¹ Christine M O'Brien,² Michael F Robuck,¹ Richard Caprioli,² Anita Mahadevan-Jansen,¹ Jeff Reese,¹ ¹VUMC, Nashville, TN, United States; ²VU, Nashville, TN, United States; ³Washington University, St. Louis, MO, United States.
- T-023 Exosomal Protein and miRNA Analysis in Cervico-Vaginal Fluid at Early Gestation from Term and Preterm Pregnancies.**
Rachel M. Tribe,¹ Holly Jenkins,¹ Carlos Palma,² Andrew Lai,² Dominic Guanzon,² Natasha L. Hezelgrave,¹ Andrew H. Shennan,¹ Carlos Salomon,² ¹Kings College London, London, United Kingdom; ²University of Queensland, Brisbane, Australia.
- T-024 Serum Biglycan and Decorin as Potential Predictors of PPROM in Asymptomatic Women.**
Lori Underhill,^{1,2} Richard Tucker,¹ Kyle Evans,¹ Elizabeth Eklund,¹ Sangshin Park,^{1,2} GERALYN Messerlian,^{1,2} Beatrice Lechner,^{1,2} ¹Women & Infants Hospital, Providence, RI, United States; ²Warren Alpert Medical School at Brown University, Providence, RI, United States; ³Hasbro Children's Hospital, Providence, RI, United States.
- T-025 Estradiol and Progesterone Modulate Anthrax Toxin Receptor 2 and Matrix Metalloproteinase Expression in Human Cervical Smooth Muscle Cells.**
Joy Vink,¹ Sudip Dahal,¹ Hongyu Li,¹ Ronald Wapner,¹ George Gallos,¹ Jan Kitajewski,² ¹Columbia University Medical Center, New York, NY, United States; ²University of Chicago at Illinois, Chicago, IL, United States.
- T-026 Using RNAseq to Dissect the Transformation of the Human Myometrium for Labor.**
Eng Cheng Chan,¹ Sonika Tyagi,² Roger Smith,¹ ¹University of Newcastle, Newcastle, Australia; ²Monash University, Melbourne, Australia.
- T-027 Active Histone Mark Signatures in Human Myometrium Reveal Candidate Genes Associated with Myometrial Quiescence Required for Pregnancy Maintenance.**
Ariel J. Dotti,¹ Ping Yin,¹ William Grobman,¹ Sercar Bulum,¹ ¹Northwestern University, Chicago, IL, United States.
- T-028 Drug Repurposing Screen Reveals Potent and Selective Regulators of Uterine Contractility for Therapeutic Control of Preterm Labor.**
Shajila Siricilla,¹ Jackson Rogers,¹ Lauren Lambert,¹ Bibhash C Paria,¹ Jeff Reese,¹ Jennifer L. Herington,¹ VUMC, Nashville, TN, United States.
- T-029 Enhanced Human Myometrium Autophagy under Hypoxia.**
Huiping Hu, Lele Wang, Junjie Bao, Yunshan Chen, Qian Huang, Xiaoyan Sha, Huishu Liu, Guangzhou Women & Children Medical Center, Guangzhou, China.
- T-030 Polarisation-Sensitive Optical Coherence Tomography as a Potential Tool for Assessing the Orientation of Collagen Fibres in the Human Cervix.**
Brenda F. Narici,¹ Wei Li,¹ Stephen Matcher,¹ Dilly O Anumba,¹ ¹University of Sheffield, Sheffield, United Kingdom.
- T-031 Improving the Accuracy of Electromyometrial Imaging (EMMI) by Spatial-Dependent Regularization.**
Hui Wang,¹ Yong Wang,¹ ¹Washington University in St. Louis, Saint Louis, MO, United States; ²Washington University School of Medicine in St. Louis, Saint Louis, MO, United States.
- T-032 Global Contractions as a Composite of Regional Contractions in Term Labor.**
Ponnala Marinescu,¹ Lauren Miller,¹ Roger C. Young,² Braxton Hentz,¹ Eva Pressman,¹ Neil Seligman,¹ ¹University of Rochester, Rochester, NY, United States; ²PreTel, Inc, Portland, OR, United States; ³University of Tennessee, Chattanooga, Chattanooga, TN, United States; ⁴University of Rochester, Portland, NY, United States.

GYNECOLOGY

- T-033 The Bayer-Evotec Strategic Alliance - A New Approach to Endometriosis Research.**
Oliver M. Fischer, Christoph Huwe, Bayer AG, Berlin, Germany.
- T-034 Sex Differences in Post-Surgical Adhesion Formation in a Animal Model.**
Jessica A. Lentscher,¹ Laurel Gillette, Richard O. Burney, Zachary T. Colburn, Jamie A. Massie,¹ Madigan Army Medical Center, Tacoma, WA, United States.
- T-035 Ethinyl Estradiol vs Estradiol Valerate in Combined Oral Contraceptives: Effect on Insulin Sensitivity. A Clinical Randomised Trial.**
Anniina Haverinen,^{1,2} Marika Kangasniemi,^{3,4} Terhi Pitonen,^{3,4} Kaisu Liuro-Helve,^{1,2} Oskari Heikinheimo,^{1,2} Juha S. Tapanainen,^{1,2} ¹University of Helsinki, Helsinki, Finland; ²Helsinki University Central Hospital, Helsinki, Finland; ³University of Oulu, Oulu, Finland; ⁴Oulu University Hospital, Oulu, Finland.
- T-036 Targeting Lactate Metabolism with an Extracellular Peptide Inhibitor of TGF- β 1: A Potential Novel Therapeutic for Endometriosis.**
Syed F. Ahmad,¹ Philippa T. K. Saunders,¹ Andrew W. Home,¹ ¹University of Edinburgh, Edinburgh, United Kingdom.

Thursday, March 14, 2019 - Poster Session I - Hall Maillot

- | | |
|--|--|
| <p>T-037 Presence of Amine Oxidase 3 and its Role in Peritoneal Endometriosis Lesions.
 <i>Bianca De Leo,¹ Marie L. Thézénas,² Krina T. Zondervan,² Christian M. Becker,² Thomas M. Zollner,¹ Alexis Laux, Biehlmann,¹ Benedikt M. Kessler,² Udo Oppermann,² ¹Bayer AG, Berlin, Germany; ²University of Oxford, Oxford, United Kingdom.</i></p> <p>T-038 Identification of Novel Compounds that Target Estrogen Driven Pathways in Endometriosis using High-Throughput Drug Screens.
 <i>Jacqueline F. Donoghue,¹ Molly L. Churchill, Sarah J. Holdsworth-Carson, Peter A. W. Rogers. University of Melbourne, Parkville, Australia.</i></p> <p>T-039 Endometrial Stromal Cells Acutely Exposed to DEHP Do Not Recapitulate Alterations Observed in Endometriosis.
 <i>Roberto Gonzalez-Martinez,¹ Alicia Quiñero,¹ Silvia Perez-Debenet,¹ Stefania Salsano,¹ Francisco Dominguez,^{1,2} ¹Fundación Instituto Valenciano de Infertilidad (FIVI), Valencia, Spain; ²INCLIVA Biomedical Research Institute, Valencia, Spain.</i></p> <p>T-040 Role of Angiogenesis in Adenomyosis: A Systematic Review.
 <i>Marissa J. Harmsen,¹ Caroline F.C. Wong,¹ Velja Mijatovic,¹ Arjan W. Griffioen,¹ Freek A. Groenman, Wouter J.K. Hehenkamp, Judith A.F. Huime.¹ Amsterdam UMC, Vrije Universiteit Amsterdam, Amsterdam, Netherlands.</i></p> <p>T-041 Expression and Cellular Localization of Endometriosis Risk Gene Long Intergenic Non-Coding RNA 339 (LINC00339).
 <i>Sarah J. Holdsworth-Carson,¹ Jane Gilling,² Leonie Cann,¹ Martin Healey,¹ Jenny N. Fung,¹ Grant Montgomery,³ Peter Rogers.¹ ¹University of Melbourne, Parkville, Australia; ²University of Otago, Dunedin, New Zealand; ³University of Queensland, Brisbane, Australia.</i></p> <p>T-042 Anti-TGF-β1 Improves Fecundity and Postnatal Survival in Mice with Adenomyosis.
 <i>Nari Kay,¹ Chun-Yen Huang,¹ Li-Yen Shiu,¹ Ya-Chun Yui,¹ Yu Chang,¹ Chih-Chen Chen,¹ Eing-Mei Tsai,² S. Joseph Huang.^{1,3} ¹E-De Hospital/Shou University, Kaohsiung, Taiwan; ²Kaohsiung Medical University Hospital, Kaohsiung, Taiwan; ³University of South Florida, Tampa, FL, United States.</i></p> <p>T-043 Large-Scale Genome-Wide Association Meta-Analysis of Endometriosis Reveals 13 Novel Loci and Genetically-Associated Comorbidity with Other Pain Conditions.
 <i>Nilufer Rahmiloglu,¹ International Endometriosis Genomics Consortium. University of Oxford, Oxford, United Kingdom.</i></p> <p>T-044 The Endometriotic Lesion Microenvironment Modulates Neutrophil Recruitment in Endometriosis.
 <i>Lindsay K. Symons,¹ Jessica E. Miller,¹ Ryan M. Markt,¹ Stephany P. Monsanto,¹ Bruce A. Lessey,² Steven L. Young,³ Madhuri Kotli,¹ Chandrakant Tayade.¹ ¹Queen's University, Kingston, ON, Canada; ²Greenville Health System, Greenville, SC, United States; ³University of North Carolina, Chapel Hill, NC, United States.</i></p> <p>T-045 Protein-Truncating Mutations Underlying Endometriosis.
 <i>Kenneth Ward,¹ Rakesh Chettler, Hans M. Albertsen. Juno Biosciences, LLC, Salt Lake City, UT, United States.</i></p> <p>T-046 Hypoxia Induced Angiogenesis at 12 Weeks in a 3D Mouse Xenograft Model: Immunohistochemical Analysis.
 <i>Joy L. Britten, Minnie Malik,¹ William H. Catherino.¹ Uniformed Services University, Bethesda, MD, United States.</i></p> | <p>T-047 Effects of Vitamin D in Human Uterine Leiomyoma Growth in a Xenograft Animal Model.
 <i>Ana Corachan,^{1,2} Hortensia Ferrer,^{1,2} Julia Escrig,⁴ Javier Montón,^{1,2} Amparo Faust,¹ Irene Carvello,¹ Antonio Pellicer,³ ¹FIVI Foundation, Valencia, Spain; ²Departamento de Pediatría, Obstetricia y Ginecología, Universidad de Valencia, Valencia, Spain; ³Instituto de Investigación Sanitaria INCLIVA, Valencia, Spain; ⁴Servicio de Ginecología, Hospital U.P. La Fe, Valencia, Spain; ⁵IVI Rome, Rome, Spain.</i></p> <p>T-048 H19 lncRNA Identified as a Master Regulator of Genes That Drive Uterine Fibroids.
 <i>Tiefeng Cao,¹ Ying Jiang,¹ Da-Lit, Hugh Taylor,¹ Yinquan Huang.¹ Yale University School of Medicine, New Haven, CT, United States.</i></p> <p>T-049 Activator Protein 1 (AP-1): A Novel Signaling Pathway Contributing to Extracellular Matrix Deposition in Uterine Leiomyoma.
 <i>Justin Pilgrimm,¹ Jacquel Arismendi,² Joy Britten-Webb,² Minnie Malik,¹ Toral Parikh,¹ Jasmine Aly,¹ Bill Catherino.³ ¹National Institutes of Health, Bethesda, MD, United States; ²Uniformed Services University of Health Sciences, Bethesda, MD, United States.</i></p> <p>T-050 Rodent Models of Menstruation: A Gene Expression Comparison between Spiny Mouse, Mouse Artificial Menstruation Model and Human Endometrium.
 <i>Frank Sacher,¹ Qiong Lin,¹ Ralf Lesche,¹ Djork-Arne Clevert,¹ Joerg Mueller,¹ Thomas M. Zollner,¹ Hilary OD Critchley,¹ Alison Murray,¹ Moira Nicol,² Lucy Whitaker,² Jackie Maybin.² ¹Bayer AG, Berlin, Germany; ²University of Edinburgh, Edinburgh, United Kingdom.</i></p> <p>T-051 Integrated Epigenome, Exome and Transcriptome Analyses Reveal Molecular Subtypes and Homeotic Transformation in Uterine Fibroids.
 <i>Jose Teixeira,¹ Jitu George,¹ Huihui Fan,² Anindita Chatterjee,¹ Benjamin Johnson,² Amanda Patterson,¹ Megan Bowman,¹ Koeman Julie,¹ Marie Adams,¹ Zachary Madaj,¹ David Chesla,¹ Erica Marsh,¹ Timothy Triche,² Hui Shen.² ¹Michigan State University, Grand Rapids, MI, United States; ²Van Andel Institute, Grand Rapids, MI, United States; ³Bell Horticultural, Chicago, IL, United States; ⁴Spectrum Health, Grand Rapids, MI, United States; ⁵University of Michigan, Ann Arbor, MI, United States.</i></p> <p>T-052 Dietary Carotenoids and Risk of Uterine Leiomyoma: A Prospective Ultrasound Study.
 <i>Lauren A. Wise,¹ Amelia K. Wesselink,¹ Traci N. Belthas,² Theodore M. Brasky,³ Ganesa Wegienka,⁴ Quaker Harmon,⁵ Donna D. Baird.⁵ ¹Boston University School of Public Health, Boston, MA, United States; ²Boston University School of Medicine, Boston, MA, United States; ³The Ohio State University, Columbus, OH, United States; ⁴Henry Ford Health Systems, Detroit, MI, United States; ⁵National Institute of Environmental Health Sciences, Research Triangle, NC, United States.</i></p> <p>T-053 Sonographic Predictors of Ovarian Torsion in Premenarchal Girls.
 <i>Jenny S. George,¹ Monica W. Rosen,¹ Nicole Curci, Maria Ladino Torres, Ashish P. Wasnik, Yolanda R. Smith, Elizabeth H. Quint.¹ University of Michigan, Ann Arbor, MI, United States.</i></p> <p>T-054 The Impact of Social and Economic Factors on Immune Resilience in HIV-Infected Women with High Depression Risk Assessments.
 <i>Pooja Doehrmann,¹ Katia Caspert,² Alicia S. Willett,² Thomas Obincheni Egbu,² Ngwue Nwogu Marceline,³ Sab. Melvin Sab,³ ¹St. Joseph's Hospital and Medical Center, Dignity Health, Phoenix, AZ, United States; ²Maricopa Integrated Health System, Phoenix, AZ, United States; ³University of Buea, Buea, Cameroon.</i></p> |
|--|--|

Thursday, March 14, 2019 - Poster Session I - Hall Maillot

T-055 Lactation Can Be Successfully Induced in Transgender Women While Maintaining Gender-Congruent Serum Hormone Levels.

Molly B. Moravsek, Katherine B Pasque. *University of Michigan, Ann Arbor, MI, United States.*

CLINICAL PERINATOLOGY

T-056 Cord Blood Immune Markers in Preterm and Term Neonates with "Culture Negative Sepsis".

Maide Ozen,^{1,2} Mohan K Krishnan,¹ Theresa Boyer,¹ Na Shin,¹ Michael McLane,¹ Ernest Graham,¹ Inina Burd,^{1,2} *¹Johns Hopkins University, Baltimore, MD, United States; ²JHU, Baltimore, MD, United States.*

T-057 Photometric Quantification of Blood Loss during Childbirth Does Not Reign Superior to Its Volumetric Counterpart.

Krunal Patel,^{1,2} Zoe Rocks,¹ Dhaval Swaminarayan,¹ Rima Rana,¹ Matthew Rega,¹ Jesus Alvarez-Perez,¹ Manuel Alvarez,¹ Abdulla Al-Khan,¹ *¹Hackensack University Medical Center, Hackensack, NJ, United States; ²Rutgers New Jersey Medical School, Newark, NJ, United States.*

T-058 Outcomes of a Twin with Single Ventricle Congenital Heart Defect - A Case Series.

Maria S. Schmoltt,¹ Timothy M Cordes,² Sherrine Ibrahim,² Mary Carrier,³ *¹Indiana University School of Medicine, Indianapolis, IN, United States; ²Indiana University Health Physicians, Indianapolis, IN, United States; ³Marian School of Medicine, Indianapolis, IN, United States.*

T-059 Presence of Amniotic Farning at Different Gestational Ages in Patients with Spontaneous Rupture of Membranes.

Kate Swanson,¹ Rachel Shulman,¹ Alan M Peaceman,² *¹University of California, San Francisco, San Francisco, CA, United States; ²Northwestern University, Feinberg School of Medicine, Chicago, IL, United States.*

T-060 Independent Associations of Labor Epidural Analgesia and Vaginal Deliveries in a Large Suburban Medical Center.

Clara S. Talbott,¹ Sun K Kim,² Perry S Friedmant,² Dotun Ogunyemi,² *¹Beaumont Hospital Royal Oak, Detroit, MI, United States; ²Beaumont Hospital Royal Oak, Royal Oak, MI, United States.*

T-061 Rates of Echocardiographic Findings in Monochorionic Twins with Selective Intrauterine Growth Restriction Compared to Twin-Twin Transfusion Syndrome.

Katlynn Adkins,¹ Megan Lagueux,¹ Claire Levek,¹ Kaci Pickett,¹ Cuneo F Cuneo,¹ Lisa W Howley, Michael V. Zaretsky,¹ *University of Colorado School of Medicine, Aurora, CO, United States.*

T-062 Influence of Parity on Perinatal Mortality in Adolescent Pregnancy.

Anuradha Devabhaktuni,¹ Ashley Skeith,¹ Rachel Pilliod,¹ Aaron Caughey,¹ Amy Valent,¹ *Oregon Health and Science University, Portland, OR, United States.*

T-063 Circulating Placenta-Derived Exosomes Biomarkers to Predict Successful Induction of Labor.

Laura Goetzl,¹ E. Ramsey Unal,¹ Cierney T Jill,¹ Nune Darbinian,¹ Nana Merabova,¹ Roger B Newman,¹ *¹University of Texas, Health Sciences Center at Houston, Houston, TX, United States; ²Southern Illinois University, Springfield, IL, United States; ³Medical University of South Carolina, Charleston, SC, United States; ⁴Shriners Hospitals Pediatric Research Center, Philadelphia, PA, United States.*

T-064 Efficacy of 17 α -Hydroxyprogesterone Caproate in Preventing Preterm Birth after a Previous PPRM Delivery.

A Sharnaj,¹ R Graft,² D Kumar,² J.J. Moore,² *¹Posterior CWRU - MetroHealth, Cleveland, OH, United States.*

T-065 MRI and Histochemical Analyses Detect Regional Differences in the Microstructure of the Murine Cervix during Pregnancy and Labor.

Antara Chatterjee,¹ Wendy Whittle,¹ Kartik Jhaveri,² Stephen Lye,¹ John Sled,² *¹Oksana Shynlova,¹ ²Sinai Health System, Toronto, ON, Canada; ³Princess Margaret Hospital, Toronto, ON, Canada; ⁴SickKids Hospital, Toronto, ON, Canada.*

T-066 Noninvasive Electromyometrial Imaging of Uterine Contractions: Robustness under Noise.

Wenjie Wurt,¹ Hui Wang,¹ Michael Talcott,¹ Shengsheng Lai,² Robert C McKinstry,¹ Pamela K Woodard,¹ George A Macones,¹ Alan L Schwartz,¹ Alison G Cahill,¹ Phillip S Cuculich,¹ Yong Wang,¹ *¹Washington University, Saint Louis, MO, United States; ²Guangdong Food and Drug Vocational College, Guangzhou, China.*

T-067 Evaluation of an Intrapartum Insulin Regimen for Women with Diabetes.

Annie Dude,¹ Charlotte Niznik,² Lynn M Yee,² *¹University of Chicago, Chicago, IL, United States; ²Northwestern University, Chicago, IL, United States.*

T-068 Total Gestational Weight Gain and Perinatal Outcomes among Multiparous Women.

Annie Dude,¹ William Grobman,² Ronald Wapner,² David Haas,⁴ Brian Mercer,⁵ Samuel Parry,⁴ Robert Silver,⁷ George Saade,⁶ Michelle Kominiarek,² *¹University of Chicago, Chicago, IL, United States; ²Northwestern University, Chicago, IL, United States; ³Columbia University, New York, NY, United States; ⁴Indiana University, Indianapolis, IN, United States; ⁵MetroHealth, Cleveland, OH, United States; ⁶University of Pennsylvania, Philadelphia, PA, United States; ⁷University of Utah, Salt Lake City, UT, United States; ⁸University of Texas Medical Branch, Galveston, TX, United States.*

T-069 Maternal Self-Reported Discrimination and Association with Gestational Diabetes.

Caitlin MacGregor,¹ A. Freedman,¹ L. Keenan-Devlin,^{1,2} G. Miller,² D. Williamson,³ P. Wadhwa,⁴ J. Culhane,⁵ H. Simhan,⁶ W. Grobman,² E. Adam,² A. Borders,¹ *¹Northshore Univ Healthsystem, Evanston, IL, United States; ²Northwestern Univ, Chicago, IL, United States; ³Duke Univ, Durham, NC, United States; ⁴Univ of California Irvine, Irvine, CA, United States; ⁵Children's Hospital of Philadelphia, Philadelphia, PA, United States; ⁶Univ of Pittsburgh, Pittsburgh, PA, United States.*

T-070 The Impact of Weight Gain on Neonatal Outcomes Following Assisted Reproductive Technology Treatment.

Elisabeth Rosant,¹ L. Grimm,¹ S. Mikhael,¹ R. Amin,² A. Bellso,³ R. Jeelan,¹ *¹Vivos Fertility Institute, Chicago, IL, United States; ²Wayne State Medical School, Detroit, MI, United States.*

T-071 Does Gestational Age Change the Rate of Indeterminate Cell-Free DNA Results in Obese Women?

Raj Shree,¹ Suchitra Chandrasekaran,¹ Tina Lockwood,¹ Hilary S Gammill,² Teodora Kolaraova,¹ Laughney Catlin,¹ Kimberly Ma,¹ *¹University of Washington, Seattle, WA, United States; ²University of Washington, Fred Hutch Cancer Research Center, Seattle, WA, United States.*

T-072 Effect of Oral Labetalol versus Nifedipine on Blood Pressure Control and Length of Stay.

Timothy Wen, Alexander Friedman, Yongmei Huang, Mary D Alton, Amy Turitz, *Columbia University, New York City, NY, United States.*

Thursday, March 14, 2019 - Poster Session I - Hall Maillot

- T-073 Prediction of Adverse Pregnancy Outcome Using Placentally-Derived Biomarkers Reflecting Inflammation or Reduced Growth.**
Bryony Hickton, Bernadette Baker, Helen Bischof, Rebecca L Jones, Alexander Hazell. *University of Manchester, Manchester, United Kingdom.*
- T-074 Japan's Effort to Reduce the Maternal Death from Critical Obstetrical Hemorrhage: Nationwide Registry.**
Shinji Katsuragi.¹ Maternal Death Exploratory Committee in Japan and Japan Association of Obstetricians and Gynecologists, Tomoaki Ikeda.² Sakakibara Heart Institute, Fuchu, Japan; ³ Mie University, Tsu, Japan.
- T-075 Maternal and Fetal Outcomes in Pregnancy Complicated with Hypertrophic Cardiomyopathy.**
Shinji Katsuragi.¹ Sakakibara Heart Institute, Fuchu, Japan.
- T-076 Uterine Artery Embolization - Does It Prevent Cesarean Hysterectomy in Women with Placenta Percreta?**
Aya Mohr Sasson.^{1,2} Rony Hochman.¹ Matan Anteby.^{1,2} Maya Spira.^{1,2} Israel Hendler.^{1,2} Shali Mazaki-Tovi.^{1,2} Eyal Sivan.^{1,2} Sheba Medical Center, Tel-Hashomer, Ramat-Gan, Israel; ²Sackler School of Medicine, Tel Aviv University, Tel-Aviv, Israel.
- T-077 Cesarean Delivery with and without Uterine Artery Embolization for the Management of Morbidity Adherent Placenta - A Comparative Study.**
Aya Mohr Sasson.^{1,2} Rony Hochman.¹ Matan Anteby.^{1,2} Maya Spira.^{1,2} Israel Hendler.^{1,2} Eyal Schiff.^{1,2} Shali Mazaki-Tovi.^{1,2} Eyal Sivan.^{1,2} Sheba Medical Center, Tel-Hashomer, Ramat -Gan, Israel; ²Sackler School of Medicine, Tel Aviv University, Tel-Aviv, Israel.
- T-078 Optimal Timing for Magnesium Sulfate Administration to Prevent Preterm Delivery and a Poor Neurological Outcome.**
Masanao Ohashi.¹ Sameshima Hiroshi.² Kamitomo Masato.³ Yasuichi Ichiro.⁴ Funakoshi Toru.⁵ Suga Sachie.⁴ ¹Miyazaki Medical Association Hospital, Miyazaki, Japan; ²University of Miyazaki, Miyazaki, Japan; ³Kagoshima City Hospital, Kagoshima, Japan; ⁴National Hospital Nagasaki Medical Center, Nagasaki, Japan; ⁵Hyogo Children's Hospital, Kobe, Japan.
- T-079 Unexplained Stillbirth: Can Risk Factors Be Identified?**
Jessica M Paget.^{1,2} Michelle P Debbink.^{1,2} Karen J Gibbins.² Michael W Varner.¹ Robert M Silver.¹ ¹University of Utah Health, Salt Lake City, UT, United States; ²Intermountain Healthcare, Murray, UT, United States; ³Oregon Health and Science University, Portland, OR, United States.
- T-080 Risk Facts for Major Postpartum Hemorrhage Associated with Manual Removal of the Placenta.**
Nicola C Perinatti.¹ Ayotunde B Fadayomi, Brian T Bateman, Daniela A. Carusi.¹ Brigham and Women's Hospital, Boston, MA, United States.
- T-081 A Japanese National Survey of Uterine Rupture Cases.**
Jun Takeda.¹ Shintaro Makino.² Atsuo Itakura.³ Satoru Takeda.⁴ Junjudo University Faculty of Medicine, Tokyo, Japan.
- T-082 Trends in Antibiotic Use with Manual Placenta Extraction in Vaginal Deliveries.**
Conrad Stern-Ascher, Cassandra R Duffy, Yongmei Huang, Dena Goffman, Mary D'Alton, Jason Wright, Alexander Friedman. *Columbia University, New York City, NY, United States.*

DEVELOPMENTAL PROGRAMMING

- T-083 Maternal Diet Influences Neonatal Spleen Development in Mice.**
Elizabeth A Bonney, Taylor E Dawson, Kirika Prakash, Malia N Green, Mercedes Rincon. *University of Vermont, Burlington, VT, United States.*
- T-084 What is a Good Sample Size in Studies of Nonhuman Primate Developmental Programming by Maternal Nutrition?**
Hillary F Hubert, Cun Li, Peter W Nathanielsz.¹ *University of Wyoming, Laramie, WY, United States.*
- T-085 Maternal Tobacco Smoke Exposure Induces Sex-Divergent Changes in Rat Placental Setd8 and Phospholipid Profiles.**
J Whitham.¹ E Barrett.¹ R Kaddu.¹ C Weinheimer.² H Wang.¹ Lisa A Joss-Moore.¹ ¹University of Utah, Salt Lake City, UT, United States; ²Pediatric Medical Group, Spokane, WA, United States.
- T-086 Maternal GDM Induces Widespread Changes in the Infant's Epigenome.**
Karen A Lillycrop.¹ Eli Antoun.¹ Nugesse Kitab.¹ Philip Titcomb.¹ Katie Dalrymple.² Paul T Seed.² Sara L White.² Graham C Burdge.¹ Keith M Godfrey.¹ Lucilla Poston.² ¹University of Southampton, Southampton, United Kingdom; ²Kings College London, London, United Kingdom.
- T-087 Transgenerational Impacts of Maternal Obesity (MO) from F0 to F3 in Sheep on Neonatal Endocrinology.**
Christopher L Pankey.¹ Dallas Q. Sturdevant.¹ Ashley M Smith.¹ Stephen P Ford.¹ Peter W Nathanielsz.¹ *University of Wyoming, Laramie, WY, United States.*
- T-088 Maternal Nicotine Exposure Induces a Gender-Dependent Increase in Vascular AT₁R and eNOS Expression Leading to Development of Hypertensive Phenotype in Adult Male Offspring.**
Bailin Liut.¹ Yong Li.¹ Chiranjib Dasgupta.¹ Xiaohui Huang.¹ Lubo Zhang.¹ Xuesi M Shao.² Daliao Xiao.¹ ¹Loma Linda University, Loma Linda, CA, United States; ²UCLA, Los Angeles, CA, United States.
- T-089 High Blood Pressure in Offspring after Exposure to Prenatal High Fat Diet is Associated with Dysregulation in Renin-Angiotensin System.**
Egle Bytautiene Prewit.¹ Talar Kechichian.² Phyllis Gamble.² George Saade.² ¹UT Health Science Center San Antonio, San Antonio, TX, United States; ²The University of Texas Medical Branch, Galveston, TX, United States.
- T-090 Maternal Lipic Acid Intake Prevents Metabolic Changes Associated with Ovariectomy in the Wistar Rat Offspring.**
Maria B. Rabaglino.¹ Maria J Moreira Espinoza.¹ Paula Hernandez.¹ Santiago Elizondo.¹ Dante Beltramo.¹ *CONICET, Cordoba, Argentina.*
- T-091 Early Vascular Dysfunction in Mouse Offspring Exposed to a Preeclampsia-Like Intrauterine Environment.**
Elizabeth F Sutton.¹ Mary Gemmett.¹ Marcia J Gallaier, Robert W Powers.¹ Magee-Womens Research Institute, Pittsburgh, PA, United States.
- T-092 E Growth Restriction Enhances Pulmonary and Carotid Artery Vascular Remodeling in 1 Year-Old Rat Offspring Fed a High Fat Diet.**
Thomas Miller.¹ Blair Dodson.^{2,3} Baifeng Yu.¹ Yueqin Yang.¹ Anastasiya Mankouski.¹ Erin Zinkhan.¹ ¹University of Utah, Salt Lake City, UT, United States; ²United Therapeutics, Research Triangle Park, NC, United States; ³University of Colorado, Aurora, CO, United States.

Thursday, March 14, 2019 - Poster Session I - Hall Maillot

- T-093 Dietary Intake of Methyl-Donors and Fetal Growth: A Longitudinal Study.**
Erika Chavira-Suárez^{1,2}, Edgar Iván Rivera-Castañón^{3,4}, Isabel Omaña-Guzmán^{1,2}, Carmen Canchola-Sotelo⁵, Mónica Monserrat Ancira-Moreno⁶, Marie O'Neill⁷, Felipe Vadillo-Ortega^{1,2} *Universidad Nacional Autónoma de México, Mexico City, Mexico; ¹Instituto Nacional de Medicina Genómica, Mexico City, Mexico; ²Universidad Autónoma de Aguascalientes, Aguascalientes, Mexico; ³Universidad Autónoma Metropolitana, Mexico City, Mexico; ⁴Secretaría de Salud de la Ciudad de México, Mexico City, Mexico; ⁵Universidad Iberoamericana, Mexico City, Mexico; ⁶University of Michigan, Michigan, MI, United States.*
- T-094 Impact of Gestational Weight Gain on Fetal Growth: A Cohort Study.**
Karla Muciño-Sandoval^{1,2}, Isabel Omaña-Guzmán^{1,2}, Marie O'Neill³, Luis Ortiz-Hernández⁴, Felipe Vadillo-Ortega^{1,2}, Erika Chavira-Suárez^{1,2} *Instituto Nacional de Medicina Genómica, Mexico City, Mexico; ²Universidad Autónoma Metropolitana, Mexico City, Mexico; ³University of Michigan School of Public Health, Ann Arbor, MI, United States; ⁴Universidad Nacional Autónoma de México, Mexico City, Mexico.*
- T-095 Differences in First Trimester Embryonic Growth Trajectories after Fresh and Frozen-Thawed Embryo Transfer.**
Linette van Duin¹, Jeffrey Hoek, Sam Schoenmakers, Esther B. Baart, Eric A.P. Steegers, Joop S.E. Laven, Melek Rousian, Régine P.M. Steegers-Theunissen¹ *Erasmus University Medical Centre, Rotterdam, Netherlands.*
- T-096 Maternal Choline May Mitigate the Impact of Marijuana Use during Pregnancy on Fetal Brain Development.**
M. Camille Hoffman, Sharon Hunter, Kate Noonan, Robert Freedman¹ *University of Colorado School of Medicine, Aurora, CO, United States.*
- T-097 Effect of Maternal Resveratrol Administration on Offspring Sugar Preference in a Rat Model of Obese Pregnancy.**
Nozomi Itaniti¹, Priyanka Sethupathi¹, Teresa P Pérez², Peter W Nathanielsz², Guadalupe L. Rodríguez-González³, Elena Zambrano³, Paul D Taylor¹, King's College London, London, United Kingdom; ²University of Wyoming, Laramie, WY, United States; ³Instituto Nacional de Ciencias Médicas y Nutrición Salvador Zubirán, Mexico City, Mexico.
- T-098 Maternal Protein Restriction (MPR) in Pregnancy and/or Lactation Increases Male Rat Offspring (F1) Depressive Behavior, Glucocorticoid (GC) Secretion, and Amygdala and Prefrontal Cortex (PFC) Oxidative Stress (OS).**
Luis A Reyes-Castro¹, Jorge Uribe-Cleofast¹, Guadalupe L. Rodríguez-González¹, Claudia C Vega¹, Roberto Chavira¹, Peter W Nathanielsz^{2,3}, Lucía Martínez-Mota⁴, Elena Zambrano¹ *Instituto Nacional de Ciencias Médicas y Nutrición SZ, Mexico City, Mexico; ²University of Wyoming, Laramie, WY, United States; ³Southwest National Primate Research Center, Texas Biomedical Research Institute, San Antonio, TX, United States; ⁴Instituto Nacional de Psiquiatría Ramón de la Fuente Muñiz, Mexico City, Mexico.*
- T-099 Maternal Docosahexaenoic Acid (DHA) Supplementation Prior and During Pregnancy and Lactation Prevents Cognitive Deficits in Male Rat Offspring (F1) from Obese Mothers.**
Luis A Reyes-Castro¹, Jorge Uribe-Cleofast¹, Guadalupe L. Rodríguez-González¹, Diana C Castro-Rodríguez¹, Peter W Nathanielsz^{2,3}, Frasciso Bolaños-Jiménez⁴, Elena Zambrano¹, Instituto Nacional de Ciencias Médicas y Nutrición SZ, Mexico City, Mexico; ²University of Wyoming, Laramie, WY, United States; ³Southwest National Primate Research Center, Texas Biomedical Research Institute, San Antonio, TX, United States; ⁴INRA-Université de Nantes, Nantes, France.
- T-100 High Fat (HF) Diet Consumption by Offspring (F1) of Obese Mothers (MO) Constitutes a Second Hit on the Male Rat Reproductive Function.**
Guadalupe L. Rodríguez-González¹, Sergio De Los Santos², Claudia C Vega³, Dayan Méndez-Sánchez¹, Roberto Chavira¹, Jorge Uribe-Cleofast¹, Fernando Larrea⁴, Patricia Canto⁵, Peter W Nathanielsz^{2,4}, Elena Zambrano¹ *Instituto Nacional de Ciencias Médicas y Nutrición SZ, Mexico, Mexico; ²Universidad Nacional Autónoma de México, Mexico, Mexico; ³University of Wyoming, Laramie, WY, United States; ⁴Southwest National Primate Research Center, Texas Biomedical Research Institute, San Antonio, TX, United States.*
- FETUS**
- T-101 Validation of Fetal MRI Oximetry.**
Brahmdeep S Saini¹, Jack RT Darby², Sharon Portnoy¹, Sunthara R Perumal¹, Jia Y Soo², Mitchell C Lock², John C Kingdon³, John G Sled⁴, Christopher K Macgowan¹, Mike Seed¹, Janna L Morrison² *The Hospital for Sick Children, Toronto, ON, Canada; ²University of South Australia, Adelaide, Australia; ³South Australian Health and Medical Research Institute, Adelaide, Australia; ⁴Mount Sinai Hospital, Toronto, ON, Canada.*
- T-102 In-Utero LPS Exposure Affects Hepatic Glucose Metabolism Leading to Systemic Metabolic Disturbances in Late Gestation Fetal Sheep.**
Miguel A Zarate¹ *University of Colorado School of Medicine, Aurora, CO, United States.*
- T-103 Exosome from Flk-1⁺ Endothelial Progenitors Ameliorates Maternal Diabetes-Induced Neural Tube Defects.**
Songying Cao¹, Yang Peixin¹ *University of Maryland, Baltimore, MD, United States.*
- T-104 Extract Acoustic Output Information from Routine Diagnostic Ultrasound (dUS) Imaging during Pregnancy.**
Fagen Xie¹, Zimin Zhuang¹, Michael J Fassett¹, Garo Galabun^{1,3} *Kaiser Permanente Southern California, Pasadena, CA, United States; ²West Los Angeles Kaiser Permanente Southern California Medical Group, Los Angeles, CA, United States; ³Rutgers-Robert Wood Johnson Medical School, New Brunswick, NJ, United States.*
- T-105 Exposure to Intrauterine Growth Restriction Reduces Amino Acid Utilization and Reveals a Sexually Dimorphic Metabolic Response in Skeletal Muscle of Late Gestation Fetal Lambs.**
Eileen J. Chang¹, Stephanie R. Wesolowski, Paul J. Rozance, Laura D. Brown¹ *University of Colorado School of Medicine, Aurora, CO, United States.*
- T-106 Altered Regulatory T Cell Profile in Intrauterine Growth Restriction.**
Al-nis Y Collier¹, Dan H Barouch, Beth Israel Deaconess Medical Center, Boston, MA, United States.

Thursday, March 14, 2019 - Poster Session I - Hall Maillot

- T-107 Which Chart Fits Best? A Comparison of Perinatal Outcomes of SGA, LGA vs AGA Newborns before and after Birthweight Centiles Customization.**
Diletta Fumagalli¹, Mona Mansour¹, Anna Maria Marconi¹. *University of Milano, Milano, Italy.*
- T-108 Late Gestation Undernutrition Does Not Alter Optical Redox Ratio of Perinatal Adipose Tissue in the Sheep Fetus.**
Joanna Lazniewska¹. *University of South Australia, Adelaide, Australia.*
- T-109 Controversy: Is the Postnatal Expression and Function of Meis1 in the Sheep Heart Similar to the Mouse?**
Isa M. Lindgren¹, Natasha Chattergoon¹, Kent Thornburg¹. *Oregon Health & Science University, Portland, OR, United States.*
- T-110 Ultrasound Assessment of Fetal Adrenal Gland Volume in Normal Compared to Growth-Restricted Pregnancies.**
Anne Porter¹, Diane Gumina¹, Camille Driver¹, John Hobbins¹, M. Camille Hoffman¹. *University of Colorado School of Medicine, Aurora, CO, United States.*
- T-111 Premature Adipogenesis and Hyperleptinemia in Neonates Born to Hyperglycaemic Pregnancies in Dams with Heterozygous Deletion of the Prolactin Receptor.**
Nada Abdelmonem Sallam^{1,2}, Carol Huang¹, Jennifer A Thompson¹. ¹University of Calgary, Calgary, AB, Canada; ²Cairo University, Cairo, Egypt.
- T-112 Sex Differences in Antepartum Fetal Cardiac Measurements.**
Nadia Khan, Recep Avci, Diana Escalona-Vargas, Curtis Lowery, Hari Eswaran¹. *University of Arkansas COM, Little Rock, AR, United States.*
- T-113 Endogenous Adenosine is Necessary to Maintain Coronary Flow Response to Hypoxemia in Control and IGF1-Stimulated Fetuses.**
Sonnet S Jonker¹, George D Giraud¹, Eileen I Chang¹, Samantha Louey¹. *Oregon Health & Science University, Portland, OR, United States.*
- T-114 Sympathetic Perivascular Nerves Facilitate Long-Term Hypoxic Remodeling Through Smooth Muscle Phenotype Shifts in Fetal Lamb Cerebral Arteries.**
William J. Pearce¹, Oluyemi O. Adeoye². ¹Loma Linda University School of Medicine, Loma Linda, CA, United States; ²Loma Linda University School of Pharmacy, Loma Linda, CA, United States.
- T-115 The Sentinel Event in Birth: A Retrospective Review of Neonates Undergoing Therapeutic Hypothermia.**
Rachel L. Wood¹, Sarah Rae Easter¹, Sarah E. Little¹, Megan E. Bunnell², Sarah C. Lassey², Mohamed El-Dib¹, Julian N. Robinson¹. ¹Brigham and Women's Hospital, Boston, MA, United States; ²Geisel School of Medicine, Hanover, NH, United States.
- T-116 Fetal Synthetic Glucocorticoid Exposure Alters Baboon Pancreatic Islet Organization and Increases Endocrine Pancreas Proliferation.**
Cynthia L. Bianco¹, Cun Li², Amy Quinn¹, Junfei Li³, Nicholas Alana¹, Diana Anzueto¹, Lauren Winter¹, Peter Nathanielsz³. ¹University of Texas Health San Antonio, San Antonio, TX, United States; ²University of Wyoming, Laramie, WY, United States; ³University of Wyoming, Laramie, WY, United States.
- T-117 Isolation and Characterization of Fetal Microglia and Placental Macrophages during First Trimester Human Pregnancy.**
Sharon Eskandar¹, Laura Kracht¹, Malte Borggrewelt¹, Nieske Brouwer¹, Sico A Scherjon¹, Jelmert R. Prins¹, Bart J. Eggen¹. *University Medical Center Groningen, Groningen, Netherlands.*

- T-118 Preconditioning by LPS Attenuates the Brain Protective Effect by Vagus Nerve Activation in Newborn Rat Model of Hypoxia-Ischemia.**
Seishi Furukawa¹. *University of Miyazaki, Miyazaki, Japan.*
- T-119 Long-Term Neurodevelopmental Outcomes of Twin versus Singleton Infants.**
Emily E. Nuss¹, Francesca O. Okolie¹, Cynthia Gyamfi-Bannerman¹. *Columbia University Irving Medical Center, New York, NY, United States.*
- T-120 Patterns of Brain Sparing in Fetal Growth Restriction.**
Jon G. Steller¹, Diane Guminat¹, Allison Gilant¹, Henry Galan¹, John C. Hobbins¹, Shane Reeves¹. *University of Colorado Anschutz Medical Campus, Aurora, CO, United States.*

GYNECOLOGICAL ONCOLOGY

- T-121 Molecular Discrimination of Uterine Leiomyosarcomas and Leiomyomas: Identification of a Novel Diagnostic Gene Expression Signature.**
Crystal L. Adam¹, Miriam A. Post¹, Monique A. Spillman¹, Kian Behbakht¹, Andrew P. Bradford¹. *University of Colorado Anschutz Medical Campus, Aurora, CO, United States.*
- T-122 Novel Role of Titin in the Development of Chemoresistance in Ovarian Cancer.**
Amy K. Harper^{1,2}, Nicole M. Fletcher¹, Rong Fan¹, Robert Morris^{1,2}, Ghassan M. Saad^{1,2}. ¹Wayne State University School of Medicine, Detroit, MI, United States; ²Karmanos Cancer Institute, Detroit, MI, United States.
- T-123 DNA Methylation Identifies Complete Moles Destined to Develop into Gestational Trophoblastic Neoplasia.**
Jessica D. St Laurent¹, Lawrence Lin², Izildinha Maestá², Neil Horowitz², Ross Berkowitz², Kevin Elias¹. ¹Brigham and Women's Hospital, Boston, MA, United States; ²University of Sao Paulo, Sao Paulo, Brazil; ³Sao Paulo State University, Botucatu, Brazil.
- T-124 NLRP7 Inflammasome Promotes Placental Choriocarcinoma Growth In Vitro and In Vivo.**
Deborah Reynaud¹, Roland Abi Nahed¹, Pierre-Adrien Bolze², Frédéric Sergent¹, Mohamed Benharouga¹, Nadia Alfaidy¹. ¹INSERM U1036, Grenoble, France; ²Hospices de Lyon, Lyon, France.
- T-125 Schweinfurthin is a Novel Anti-Cancer Agent for PTEN-Mutated Cervical Cancer.**
Saumya Maruti¹, Hu Li¹, Deiter Gina, Preeti Bhaduria, Joshua Kesterson, Mary Tevetia, Jeffrey Neighbors, Nancy Lill, Raymond Hohl, Rebecca Phaeton¹. *Penn State College of Medicine, Hershey, PA, United States.*

MATERNAL HEALTH

- T-126 Uterine Rupture "Alarm Criteria" in Patients Undergoing Trial of Labor after Cesarean Section (TOLAC).**
Ifath A. Hoskins¹, Sepideh Mehri, Frederick Licciardi. *NYU Medical Center, New York, NY, United States.*
- T-127 A Meta-Analysis of the Correlation between Maternal and Fetal Hemoglobin in Uncomplicated Pregnancies.**
Maria B. Ospina¹, Jia Hang Li¹, Stewart Rowe¹, Andrew Woodman¹, Thane Chambers¹, Stephane Bourque¹. *University of Alberta, Edmonton, AB, Canada.*

Thursday, March 14, 2019 - Poster Session I - Hall Maillot

- T-128 Resveratrol (Res) is a Potential Therapeutic Intervention to Prevent Increased Oxidative Stress and Metabolic Dysfunction in Obese Pregnant Rats.**
Gudalulsi L. Rodríguez-González,¹ Lilia Vargas-Hernández,¹ Luis A Reyes-Castro,¹ José A Sierra-Ramírez,² Claudia J Bautista,¹ Carlos A Ibañez,¹ Nozomi Iitani,³ Peter W Nathanielsz,^{4,5} Paul D Taylor,³ Elena Zambrano,¹ ¹Instituto Nacional de Ciencias Médicas y Nutrición SZ, Mexico, Mexico; ²Instituto Politécnico Nacional, Mexico, Mexico; ³King's College London and King's Health Partners, London, United Kingdom; ⁴University of Wyoming, Laramie, WY, United States; ⁵Southwest National Primate Research Center, Texas Biomedical Research Institute, San Antonio, TX, United States.
- T-129 Correlation Network Analysis of Maternal Lifelogs and Plasma Metabolites in Maternity Log Study.**
Takafumi Yamauchi,^{1,2} Daisuke Ochi,^{1,2} Takahiro Mimori,² Yoshiaki Tsunemoto,¹ Satsuki Kumatani,¹ Maiko Wagata,^{2,3} Riu Yamashita,^{1,2} Osamu Tanabe,^{5,2} Naoko Minegishi,² Nobuo Yaegashi,² Satoshi Hiya,¹ Masao Nagasaki,² Junichi Sugawara,^{2,3} ¹Maternity Log Study Group, NTT DOCOMO, Inc., Yokosuka, Kanagawa, Japan; ²Tohoku University, Sendai, Miyagi, Japan; ³Tohoku University Graduate School of Medicine, Sendai, Miyagi, Japan; ⁴National Cancer Center, Kashiwa, Chiba, Japan; ⁵Radiation Effects Research Foundation, Hiroshima, Hiroshima, Japan.
- T-130 Epigenetic Changes in the Mouse Aorta During Pregnancy: A Whole Genome Methylation Study.**
Stephen Brown,¹ Daniel Skora,² Lucia Brown,¹ Dianne Gerrard,¹ Seth Fritze,² ¹University of Vermont, Burlington, VT, United States; ²Fertility Specialists of Texas, Dallas, TX, United States.
- T-131 Abstract Withdrawn**
- T-132 Maternal Mercury Levels during Pregnancy through Longitudinal Hair Analysis Using Laser-Ablation ICP Mass Spectrometry.**
Elaine M Jaworski,¹ Loralei L Thornburg, Matthew D Rand, ¹University of Rochester, Rochester, NY, United States.
- T-133 Increased Arterial Wall Shear Stress Induces Phenotypic Modulation of Vascular Smooth Muscle Cells and Hypocontractility of Uterine Arteries during Gestation.**
Nga Ling Ko,¹ Maurizio Mandala,² Natalie Ray,¹ Annie Glessner-Fischer,¹ Thomas O'Leary,¹ Narmen Mukhtarova,¹ Michael Previs,¹ George Osol,¹ ¹The University of Vermont, Burlington, VT, United States; ²University of Calabria, Cosenza, Italy.
- T-134 Effects of Genetically-Induced Expansion of the Placental Endocrine Zone on Maternal Physiology and Fetal Growth in Mice.**
J Lopez-Tello,¹ H E J, Yong, ER Christoforou, I Sandovic, M Constancia, AN Sternu-Peni, ¹University of Cambridge, Cambridge, United Kingdom.
- T-135 Myogenic Tone in Preplacental Resistance Arteries from Late Pregnant Rats is Associated with Increased Calcium Sensitivity due to RhoA Activation.**
Narmen Mukhtarova, Nga Ling Ko, Natalia Gokina,¹ George Osol,¹ ¹University of Vermont Larner College of Medicine, Burlington, VT, United States.
- T-136 Wall Shear Stress (WSS) Normalization as a Physiological Mechanism for Regulating Uterine Arterial Growth during Pregnancy.**
George Osol,¹ Eli Khankin,² Nga Ling Ko,¹ Maurizio Mandala,³ Ananth Karumanchi,² ¹The University of Vermont, Burlington, VT, United States; ²Harvard Medical School, Boston, MA, United States; ³University of Calabria, Cosenza, Italy.
- T-137 Scheduled Versus As-Needed Postpartum Analgesia after Vaginal Delivery: Effect on Opioid Use.**
Matthew J Biligt,¹ Lekha Prasanna,¹ Guillaume J Stoffels,² Karalyn Papas,² Burton Rochelson,¹ Harvey Marchbin,¹ ¹Donald and Barbara Zucker School of Medicine at Hofstra/Northwell, Manhasset, NY, United States; ²Feinstein Institute for Medical Research, Manhasset, NY, United States.
- T-138 Lactation and Association with Maternal DNA Methylation.**
Adetola F Louis-Jacques,¹ Aruna Bansal,² Ronald R. Magnus,¹ Charles J Lockwood,¹ Maureen W Groer,³ ¹University of South Florida Morsani College of Medicine, Tampa, FL, United States; ²Accugen Ltd, Cambridge, United Kingdom; ³University of South Florida College of Nursing, Tampa, FL, United States.
- T-139 Perilipin-2 Determines Lactation Success through Novel Mammary Gland-Independent Hormonal Mechanisms.**
Jennifer Monks, Elise S Bales, James L McManaman,¹ ¹University of Colorado Anschutz Medical Campus, Aurora, CO, United States.
- T-140 Latent Toxoplasma Gondii in Pregnant Hispanic Women.**
Maureen Groer,¹ Allyson Duffy,¹ Adetola Louis-Jacques,¹ Theodore Postolache,² Samia V Dutra,¹ ¹University of South Florida, Tampa, FL, United States; ²University of Maryland, Baltimore, MD, United States.
- T-141 Mothers of Very Low Birth Weight Infants: Chronic Stress and Modulation of Gut Microbiome at 4 Years Postpartum.**
Adetola F Louis-Jacques,¹ Samia Dutra,² Jessica Gordon,² Maureen W Groer,² ¹University of South Florida Morsani College of Medicine, Tampa, FL, United States; ²University of South Florida College of Nursing, Tampa, FL, United States.
- T-142 The Effects of a High-Cholesterol Diet on the Pulmonary Immune Response to LPS-Induced Acute Lung Injury in Pregnancy.**
Rebecca E Rieck,¹ Joseph J Bivona, Sebastian Ventrone, Marta Kokoszynska, Melissa Floerssch, Laura R Hoyt, Benjamin T Suratt, Elizabeth A Bonney,¹ ¹University of Vermont College of Medicine, Burlington, VT, United States.

PLACENTA

- T-143 Gonadotrophin Releasing Hormone Receptor Antagonists are a Potential Targeted Treatment for Ectopic Pregnancy.**
Lisa Campbell,¹ Natalie Hannan,² Stephen Tong,² Mohamed Bedaiwy,³ Nicola Gray,¹ Andrew W Horne,¹ ¹University of Edinburgh, Edinburgh, United Kingdom; ²University of Melbourne, Melbourne, Australia; ³The University of British Columbia, Vancouver, BC, Canada.
- T-144 Human Placental Inositol is Reduced in Gestational Diabetes Mellitus (GDM).**
MO Islam,¹ OC Watkins,¹ P Selvam,¹ R Pillai,¹ R Lewis,² KM Godfrey,² SY Chan,¹ ¹National Univ of Singapore, SG, Singapore; ²Univ of Southampton, Southampton, United Kingdom.
- T-145 Excessive Palmitic Acid Activates Autophagy and Apoptosis of Trophoblasts by Increasing Production of Reactive Oxygen Species: Implication for the Development of Preeclampsia.**
Chie-Pain Chen,¹ Pei-Chun Chen,¹ Chia-Yu Chen,¹ Cheng-Yi Chen,¹ ¹MacKay Memorial Hospital, Taipei, Taiwan.

Thursday, March 14, 2019 - Poster Session I - Hall Maillot

- | | |
|---|--|
| <p>T-146 Sex-Specific Differences in Placental Adaptation to Advanced Maternal Age.
 <u>Tina Nagesh</u>,¹ Yin-Po Hung,¹ Sandra T. Davidge,² Alison S. Gore,³ Amanda N. Sferuzzi-Petit,¹
 ¹University of Cambridge, Cambridge, United Kingdom;
 ²University of Alberta, Edmonton, AB, Canada;
 ³University of Adelaide, Adelaide, Australia.</p> | <p>T-156 Fractal Dimensions of Placental Chorionic Surface Arteries of Monochorionic Twins.
 Ruchit G Shah,¹ Theresa Gradi,¹ Carolyn M Salafia,^{1,2} Enrico Loporire,³ Danny Zhou,³ Masamitsu Nakamura,²
 ¹Placental Analytics, LLC, New Rochelle, NY, United States;
 ²Institute for Basic Research, Staten Island, NY, United States;
 ³Leiden University Medical Center, Leiden, Netherlands.</p> |
| <p>T-147 The Impact of the Abruptio Rate and the Onset-to-Delivery Time on the Maternal and Neonatal Outcomes of Placental Abruptio.
 Kazuma Onishi,¹ Hiroyuki Tsuda, Kazuya Fuma, Momoko Kuriyayashi, Aisuko Tezuka, Tomoko Ando, Kimio Mizuno, Japanese Red Cross Nagoya Daiichi Hospital, Nagoya-shi, Aichi, Japan.</p> | <p>T-157 Characteristics and Outcomes of Abnormally Invasive Placenta in Twins versus Singleton: AIP Consortium Study.
 Alireza A Shamshirsaz,¹ Daniela A Carusi,² Brett D Emerson,³ Deirdre J Lyell,⁴ Karin A Fox,¹ Hadi Erfani,¹ Amir A Shamshirsaz,¹ Michael A Belfort,¹ Robert M Silver,³
 ¹Baylor College of Medicine, Houston, TX, United States;
 ²Brigham and Women's Hospital, Harvard Medical School, Boston, MA, United States;
 ³University of Utah Health, Salt Lake City, UT, United States;
 ⁴Stanford University Medical Center, Palo Alto, CA, United States.</p> |
| <p>T-148 Association of Race-Ethnicity and Placental Lesions in Stillbirth Cases.
 Jessica M Page,^{1,2} Greg J Stoddard,¹ Michelle P Debbink,^{1,2} Karen J Gibbins,³ Robert M Silver,¹
 ¹University of Utah Health, Salt Lake City, UT, United States;
 ²Intermountain Healthcare, Murray, UT, United States;
 ³Oregon Health and Science University, Portland, OR, United States.</p> | <p>T-158 Perfluorobutane Sulfonate (PFBS) Exposure Interrupts Human Cytotrophoblast Cell Proliferation and Invasion through Disruption of Focal Adhesions.
 Junjiao Song,¹ William Marinellot,¹ Rong Huang,² Jun J Zhang,² Liping Feng,¹ Duke University, Durham, NC, United States;
 ²Shanghai Jiao Tong University, Shanghai, China.</p> |
| <p>T-149 Atypical PKC Signaling is Essential to Develop Maternal-Fetal Exchange Surface during Mammalian Placentation.
 Soma Ray,¹ Bhaswati Bhattacharya,¹ Soumen Paul,¹
 University of Kansas Medical Center, Kansas City, KS, United States.</p> | <p>T-159 Chromosome 19 MicroRNA Cluster Upregulates Epithelial Cell Markers and Induces Cell Reprogramming.
 Ezrin Mong,¹ John Canfield,¹ John Lookhart,¹ Jeffrey VanWye, Frederick Schatz, Charles J Lockwood, Umit A Kayisli, Hana Totary-Jain,¹ University of South Florida, Tampa, FL, United States.</p> |
| <p>T-150 Does Day of Fresh Embryo Transfer Impact Placental Pathology?
 Caitlin R Sachat,¹ Kaitlyn James,² Amy L Harris,¹ John Yeh,¹ Irene Souter,¹ Thomas L Toth,³ Drucilla J Roberts,⁴
 ¹MGH Fertility Center, Boston, MA, United States;
 ²Deborah Kelly Center for Outcomes Research, Massachusetts General Hospital, Boston, MA, United States;
 ³Boston IVF, Boston, MA, United States;
 ⁴Department of Pathology, Massachusetts General Hospital, Boston, MA, United States.</p> | <p>T-160 The Production and Role of High-Mobility Group A1 Protein on Extravillous Trophoblast.
 Yuka Uchikura,¹ Keiichi Matsubara, Yoko Matsubara, Kazuko Takagi, Takashi Sugiyama, Ehime University, Toon, Japan.</p> |
| <p>T-151 Repressed Autophagy by High Level Bile Acid in Trophoblast and its Significance in Intrahepatic Cholestasis of Pregnancy.
 Hui-Juan Zhang,¹ Wei-Bin Wurt,¹ Yuan Liu, Mei Cai, Li Juan, International Peace Maternity and Child Health Hospital, Shanghai, China.</p> | <p>T-161 Hypoxia, PPARγ, and Lactate Metabolism in Placental Development and Injury.
 Tiffany M Bernardot,¹ Tali Shalom-Barak,² Yaacov Barak,²
 ¹The University of Pittsburgh, Pittsburgh, PA, United States;
 ²Magee-Women's Research Institute, Pittsburgh, PA, United States.</p> |
| <p>T-152 Trophoblast-Decidual Cell Interaction via WNT10B and SFRP3 Regulates Placental Extravillous Trophoblast Cell Migration.
 Hungwen Chen, Academia Sinica, Taipei, Taiwan.</p> | <p>T-162 Differential Metabolic Responses of BeWo Villous Trophoblast Cells to Prolonged Glucose or Fatty Acid Exposure.
 Zachary Eastont,¹ Katherine Mathers,¹ Flavien Delhaes,¹ Timothy Regnault,^{2,3}
 ¹Western University, London, ON, Canada;
 ²Children's Health Research Institute, London, ON, Canada.</p> |
| <p>T-153 miR-200 and Trophoblast Differentiation.
 Sonia C DaSilva-Arnold,¹ Stacy Zamudio, Abdulla Al-Khan, Nicholas P. Illsley,¹ Hackensack University Medical Center, Hackensack, NJ, United States.</p> | <p>T-163 Placentas are Energetically Compromised in Early-Onset Pre-Eclampsia and Present Alterations in One-Carbon Metabolism.
 Tatiana El-Bacha,^{1,2} Youssa Ahmed-Salim,² Andrew J Murray,² Jules Griffin,² John Kingdom,² Tereza Cindrova-Davies,² Graham J Burton,²
 ¹Federal University of Rio de Janeiro, Rio de Janeiro, Brazil;
 ²University of Cambridge, Cambridge, United Kingdom;
 ³University of Toronto, Toronto, ON, Canada.</p> |
| <p>T-154 Sildenafil Citrate Improves Placental Function by Improving Trophoblast Differentiation via Heparin-Binding EGF-Like Growth Factor (HBEGF).
 Leena Kadam,¹ Brian Kilburn, Solomiya Svytyk, Casey Hedman, Suzana Khalil, D Randall Arment, Wayne State University, Detroit, MI, United States.</p> | <p>T-164 Vitamin D Promotes Trophoblast Invasion by Membrane-Mediated ERK1/2 Signaling.
 Ankita Ganguly,¹ Stephane R. Gross,² Janesh K. Gupta,³ Martin Hewison,³
 ¹University of Birmingham, Birmingham, United Kingdom;
 ²Aston University, Birmingham, United Kingdom;
 ³Birmingham Woman's Hospital, Birmingham, United Kingdom.</p> |
| <p>T-155 Melatonin Induces Oxidative Stress in Placental Human Chorioncarcinoma Cells.
 Fatma Kharratt,^{1,2,3} Cathy Vaillancourt,^{1,2,3} INRS - Armand-Frappier Institute, Laval, QC, Canada;
 ²CINBIOSE-Centre de Recherche Interdisciplinaire Sur le Bien-être, la Santé, la Société et l'Environnement, Montreal, QC, Canada;
 ³BioMed Research Center, Montreal, QC, Canada.</p> | |

Thursday, March 14, 2019 - Poster Session I - Hall Maillot

- T-165** **The Diffusion Distance across the Feto-Maternal Exchange Barrier is Longer in IUGR Placentas Than Control Placentas.**
Sina Henschert,¹ Nirav Barapatra,¹ Hans-Georg Frank,¹ Eva Haeussler,¹ Chair of Neuroanatomy, Faculty of Medicine, LMU, Munich, Germany.
- T-166** **Mechanistic Target of Rapamycin (mTOR) Is a Positive Regulator of High Temperature Requirement Factor 2 (HtrA2) Expression and Secretion in Primary Human Trophoblast Cells.**
Fredrick J Rosario,¹ Trond Melbye Michelsen,² Theresa L Powell,³ Thomas Jansson,¹ ¹University of Colorado Anschutz Medical Campus, Aurora, CO, United States; ²Oslo University Hospital, Oslo, Norway.
- T-167** **Difference in Placental Growth Volume in Normal and High Autism-Risk Pregnancies.**
R Shah,¹ C Salafia,¹ T Girardi,¹ R Miller,² J Moya,³ K Lyall,⁴ C Newschaffer,⁴ ¹Placental Analytics, New Rochelle, NY, United States; ²University of Rochester, Rochester, NY, United States; ³NICHD, Bethesda, MD, United States; ⁴Drexel University, Philadelphia, PA, United States.
- T-168** **Umbilical Cord Metabolite/Drug Ratios as Predictors of Severe Neonatal Abstinence Syndrome.**
Courtney Townsel,¹ Nold Christopher,² Oncken Cheryl,² Naveed Hussain,³ Jonathan Covault,² Winston A Campbell,² ¹University of Michigan, Ann Arbor, MI, United States; ²University of Connecticut, Farmington, CT, United States; ³Connecticut Childrens Medical Center, Farmington, CT, United States.
- T-169** **Mechanistic Target of Rapamycin (mTOR) Signalling as an Underlying Mechanism of Reduced Placental Glutamine and Glutamate Uptake in Fetal Growth Restriction.**
Kirsty Vincent,¹ Kirsty R McIntyre, Susan L Greenwood, Mark R Dilworth,¹ Maternal and Fetal Health Research Centre, The University of Manchester, Manchester, United Kingdom.
- T-170** **Down-Regulation of DKK1 and Wnt1/ β -Catenin Pathway by Increased Homeobox B7 Resulted Incell Differentiation Suppression of Fetal Intrauterine Growth Retardation in Human Placenta.**
Lu Huang,¹ Hao Ying,² Zhong Chen,¹ Yun Long Zhu,¹ Ying Gu,¹ Lingqing Hu,¹ Daozhen Chen,¹ Nanbert Zhong,³ ¹The Affiliated Wuxi Maternity and Child Health Care Hospital of Nanjing Medical University, Wuxi, China; ²Shanghai First Maternity and Infant Hospital, Shanghai, China; ³New York State Institute for Basic Research in Developmental Disabilities, New York, United States Minor Outlying Islands.
- T-171** **In Utero Estriol Exposure Induces KLK Expression in the Placenta: Estriol and the Risk of Preeclampsia.**
Yuping Zhou,¹ Yale School of Medicine, New Haven, CT, United States.
- T-172** **Immunomodulatory Effects of Melatonin on the Placenta.**
Yuko Arita,¹ Seungmin Woo,¹ Michael Mesbah,¹ Kavita Verma,¹ Darios Getahun,² Peltier Morgan,¹ ¹NYU Winthrop, Mineola, NY, United States; ²Kaiser Permanente Southern California, Pasadena, CA, United States.
- T-173** **Understanding Sex-Dependent Prenatal Vulnerability by Comparing Early Placental Transcriptomes in Human and Mouse.**
Amy E Braund,¹ Kristin L Muench,¹ Beatriz G Robinson,¹ Theo D Palmer,¹ Virginia D Winn,¹ Stanford, Palo Alto, CA, United States.
- T-174** **Macrophage-Mediated Regulatory Effect of F. Nucleatum on Trophoblast Tube Formation.**
Rebekka Eilenkel,¹ Damián O Muzio,² Jens Ehrhardt,³ Marek T Zygmunt,¹ University Medicine Greifswald, Greifswald, Germany.
- T-175** **Placental Malaria Induces Distinct Macrophage Activation Signatures in Fetal Hofbauer Cells and Maternal Intervillous Macrophages.**
Nida Ozarslan,^{1,2} Joshua F Robinson,² Dennis J Montoya,² Grant Dorsey,² Margaret Feeney,² Abel Kakuru,³ Diane Havir,⁴ Moses Kamya,² Genhong Cheng,² Susan J Fisher,² Stephanie L Gaw,² ¹Marmara University, School of Medicine, Istanbul, Turkey; ²University of California, San Francisco, San Francisco, CA, United States; ³University of California, Los Angeles, Los Angeles, CA, United States; ⁴Infectious Diseases Research Collaboration, Tororo, Uganda; ⁵Makerere University College of Health Sciences, Kampala, Uganda.
- T-176** **The Role of Unfolded Protein Response in Trophoblast Stem Cell Differentiation.**
Nadejda Capatnat,¹ Myriam Hemberger,² Graham J Burton,¹ Hong Wa Yung,¹ ¹Centre for Trophoblast Research, University of Cambridge, Cambridge, United Kingdom; ²Babraham Institute, Cambridge, United Kingdom.
- T-177** **Clustering Preeclampsia Histopathology Images with K-Means Clustering for Pattern Recognition and Therapeutic Target Discovery.**
Anika Mukherjee,¹ David Grynspan,² Shannon Bainbridge,¹ ¹University of Ottawa, Ottawa, ON, Canada; ²Children's Hospital of Eastern Ontario, Ottawa, ON, Canada.
- T-178** **Arterial Pulse Waves between Bladder Wall and Uterine Serosa Are Absent in Normal Placenta, and When Present, Predictive of Preeclampsia: A Case Control Study.**
Krunal Patel,^{1,2} Jonathan Jimenez,¹ Manuel Alvarez,¹ Jesus Alvarez-Perez,¹ Abdulla Al-Khan,¹ ¹Hackensack University Medical Center, Hackensack, NJ, United States; ²Rutgers New Jersey Medical School, Newark, NJ, United States.

HYPERTENSION IN PREGNANCY

- T-179** **Reduced CREBBP/EP300 Levels Are Central in the Preeclamptic Placenta Gene Expression Signature and Result in Decreased Trophoblast Invasion In Vitro.**
Remco Keijsers, Truus Veenboer, Carrie Ris-Stalpers, Marie van Dijk, *Gisje Alink*, Amsterdam UMC, Amsterdam, Netherlands.
- T-180** **High-Normal Albuminuria, Salt Intake in Early Third Trimester and Incidence of Preeclampsia.**
Anna Birukova,^{1,2,3} Jan Stener Jørgensen,² Louise Bjørkholm Andersen,^{2,3} Gitte Kitten,² Dominik N. Müller,^{1,3} Florian Herse,¹ Marianne Skovsager Andersen,² Ralf Dechend,¹ Boye L. Jensen,² ¹Experimental and Clinical Research Center, Berlin, Germany; ²Odense University Hospital, Odense, Denmark; ³DeZHK (German Centre for Cardiovascular Research), Partner Site Berlin, Berlin, Germany; ⁴Herlev Hospital, Herlev, Denmark; ⁵University of Southern Denmark, Odense, Denmark.
- T-181** **Vascular Permeability during Pregnancy, Preeclampsia and Postpartum in a Mouse Model.**
Judith Brands,^{1,2} Marcia J Gallaher,² Robert W Powers,^{1,2} ¹University of Pittsburgh School of Medicine, Pittsburgh, PA, United States; ² Magee-Womens Research Institute, Pittsburgh, PA, United States.

Thursday, March 14, 2019 - Poster Session I - Hall Maillot

- | | |
|--|--|
| <p>T-182 Preeclampsia and Preterm Birth Risk in Women Receiving Dialysis During Pregnancy: A Population-Based Cohort Study.
 <i>Samantha C. Dettl</i>, Michelle M O'Shaughnessy, Jonathan Mayo, Anna I Girsan, Gary M Shaw, David K Stevenson, Maurice L Druzin*. <i>Stanford University, Stanford, CA, United States.</i></p> <p>T-183 Low Dose Aspirin Modulates the Proteomic Content of Placental Trophoblast Derived Exosomes at Different Oxygen Tensions.
 <i>Suchismita Dutta</i>¹, Carlos Palma,¹ Andrew Lai,¹ Sathish Kumar,² Jonathan Hyett,¹ Angela Nakahara,⁴ Sherrí Longo,¹ Carlos Salomon.¹ <i>¹The University of Queensland, Brisbane, Australia; ²University of Wisconsin-Madison, Madison, WI, United States; ³Royal Prince Alfred Hospital, The University of Sydney, Sydney, Australia; ⁴Ochsner Clinic Foundation, New Orleans, LA, United States.</i></p> <p>T-184 Prediction of Preeclampsia by Using Random Forest Approach.
 Fagen Xie,¹ Zimin Zhuang,¹ Michael J Fassett,² Darios Getahun.^{1,3} <i>¹Kaiser Permanente Southern California, Pasadena, CA, United States; ²West Los Angeles Kaiser Permanente Southern California Medical Group, Los Angeles, CA, United States; ³Rutgers-Robert Wood Johnson Medical School, New Brunswick, CA, United States.</i></p> <p>T-185 Comparative Study of Chorionic Villi Protein Expression of Vascular Endothelial Growth Factors (VEGFs) and Matrix Metalloproteinase-9 in Women with Uncomplicated Pregnancy and Preeclampsia.
 <i>Samantha Gonzalez</i>¹, Jayasri Basu, Vanitha Banajjar, Aruna Mishra, Yingyi Wu², Magdy Mikhail. <i>Bronx Care Health System, Bronx, NY, United States.</i></p> <p>T-186 The Diagnostic Accuracy of the Signs and Symptoms Preceding Eclampsia, a Systematic Review.
 <i>Roxanne Hastie</i>¹, Fiona C Brownfoot,^{1,2} Catherine Cluver,³ Susan P Walker,⁴ Susanne Hesselman,⁵ Stephen Tong.^{1,2} <i>¹Lina Bergman,^{4,5} University of Melbourne, Heidelberg, Australia; ²Mercy Perinatal, Melbourne, Australia; ³Stellenbosch University, Cape Town, South Africa; ⁴Uppsala University, Uppsala, Sweden; ⁵Center for Clinical Research, Falun, Sweden.</i></p> <p>T-187 Increased Autotaxin Activity in Early-to-Mid Gestation of Women Who Develop Gestational Diabetes or Preeclampsia.
 Aiden Cottrell-Callbeck, Jesus Serrano-Lomelin[†], Maria B Ospina, Catherine J Field, Rhonda C Bell, APrON Study Team, David N Brindley, Denise G. Hemmings*. <i>University of Alberta, Edmonton, AB, Canada.</i></p> <p>T-188 Gestational Hypoxia Inhibits Pregnancy-Induced Increase in Spontaneous Transient Outward Currents in Ovine Uterine Arteries.
 <i>Xiang-Qun Hu</i>, Rui Song, Lubo Zhang*. <i>Loma Linda University, Loma Linda, CA, United States.</i></p> <p>T-189 Fetal Microchimerism in Immune Cell Subsets in Preeclampsia and Controls.
 <i>Stephen A McCartney</i>[†], Raj Shree,¹ Sami B Kanaan,² Caitlin I Laughney,¹ Angel Y Chae,¹ Nicholas J Maurice[†], Judy Allen,² J Lee Nelson,² Hilary S Gammill*. <i>¹University of Washington, Seattle, WA, United States; ²Fred Hutchinson Cancer Research Center, Seattle, WA, United States.</i></p> <p>T-190 Reduced Concentration Trace Element Selenium in Placentae from Women with Pre-Eclampsia; Influence of Fetal Sex.
 Lesia O Kurlak, Paula J Scaife, Louise V Briggs, Fiona Broughton Pipkin, David S Gardner, <i>Helen D Mistry</i>*. <i>University of Nottingham, Nottingham, United Kingdom.</i></p> | <p>T-191 Comparison of Fetal and Maternal Macrophage Numbers in Normal and Preeclamptic Human Placentas.
 <i>Aslı Özmen</i>[†], Chinedu Nwabubobi[†], Ozlem Guzeloglu-Kayisli, Frederick Schatz, Charles J Lockwood, Ümit A Kayisli*. <i>Morsani College of Medicine, University of South Florida Health, Tampa, FL, United States.</i></p> <p>T-192 Inhibitor of DNA Binding 1 (ID1) Gene is a Master Regulator of Decidualization: Implications in Defective Stromal Cell Decidualization in Preeclampsia.
 Venkataraman Deepak[†], Nithin Ravikumar, Martina L. Badell, Neil Siddell, <i>Augustine Rajakumar</i>*. <i>Emory University School of Medicine, Atlanta, GA, United States.</i></p> <p>T-193 Maternal Characteristics and Neonatal Outcomes of Preeclamptic Twin Pregnancies Conceived by In-Vitro Fertilization.
 <i>Sarah C Rogan</i>[†], Katherine P Himes*. <i>University of Pittsburgh, Pittsburgh, PA, United States.</i></p> <p>T-194 Activation of Lectin Like-Oxidized-LDL Receptor 1 and Angiotensin II Receptor Type 1 Effect on Fetal Endothelial Function in Preeclampsia?
 <i>Tamara Sáez</i>[†], Camille Wiley,¹ Anita Quon,^{1,2} Floor Spaans,^{1,2} Sandra T Davidge,^{1,2} <i>University of Alberta, Edmonton, AB, Canada; ²Women and Children's Health Research Institute, Edmonton, AB, Canada.</i></p> <p>T-195 Plasma Levels of sENG and Risk of Maternal Vascular Malperfusion Lesions in the Placenta of Women with Clinically Overt Preeclampsia.
 <i>Mandy Schmella</i>¹, Vanessa Assibey-Mensah,^{1,2} W. Tony Parks,³ James Roberts,^{1,2} Arun Jayabalan,^{1,2} Carl Hubel,^{1,2} Janet Catov*,^{1,2} <i>University of Pittsburgh, Pittsburgh, PA, United States; ³Magee-Womens Research Institute, Pittsburgh, PA, United States; ⁴Mount Sinai Hospital, University of Toronto, Toronto, ON, Canada.</i></p> <p>T-196 Preeclampsia Link to Hypoxic Pregnancy.
 <i>W. Tong</i>[†], K. L. Braint[†], B. J. Allison[†], Y. Niur[†], K. J. Botting[†], G. Ford[†], T. Cindrova-Davies[†], H. W. Yung[†], G. J. Burton,^{1,2} D. A. Giussani[†], <i>Department of Physiology, Development & Neuroscience, Cambridge, United Kingdom; ²Centre for Trophoblast Research, Cambridge, United Kingdom.</i></p> <p>T-197 GWAS and RNA Expression Analysis for Gestational Hypertension using Time-Series Home Blood Pressure Data in Maternity Log Study.
 Yoshiki Tsunamoto,¹ Takafumi Yamauchi,¹ Daisuke Ochi,¹ Satsuki Kumatani,¹ Takahiro Mimori,¹ Kaname Kojima,² Riu Yamashita,^{3,4} Maiko Wagata[†],^{2,4} Fumiki Katsuoaka,² Osamu Tanabe,^{5,2} Naoko Minegishi[†], Satoshi Hiyaama,¹ Masao Nagasaki,² Junichi Sugawara*,^{2,4} <i>Maternity Log Study Group. ¹NTT DOCOMO, INC., Yokosuka Kanagawa, Japan; ²Tohoku University, Sendai Miyagi, Japan; ³National Cancer Center, Kashiwa, Chiba, Japan; ⁴Tohoku University Graduate School of Medicine, Sendai Miyagi, Japan; ⁵Radiation Effects Research Foundation, Hiroshima, Hiroshima, Japan.</i></p> <p>T-198 Circulating Peptide Hormone ELABELA in Healthy and Pre-Eclamptic Pregnancies.
 <i>Marie van Dijk</i>[†], Souad Boussata,¹ Tanja Vrijkotte,¹ Carolien Abbeidant[†], Jeske bij de Wegt[†], Marjon de Boer,¹ Bruno Reversade,^{1,2} <i>Amsterdam University Medical Centers, Amsterdam, Netherlands; ²Institute of Medical Biology, A*STAR, Singapore, Singapore.</i></p> <p>T-199 Epidermal Growth Factor and Mitochondrial Respiration-Two Pathways That Regulate Placental Growth Factor Secretion from Placental Cells.
 <i>Carole-Anne Whigham</i>[†], Roxanne Hastie, Natalie Hannan, Ping Canon, Tuong V Nguyen, Stephen Tong, Tu'uhevaha Kaitu'u-Lino*. <i>University of Melbourne, Heidelberg, Australia.</i></p> |
|--|--|

Thursday, March 14, 2019 - Poster Session I - Hall Maillot

- | | |
|--|---|
| <p>T-200 Metabolic Reprogramming in Preeclamptic Placenta.
 <i>Yangxi Zheng¹, Ping Xu², Yike Yang¹, Hongbo Qi¹, Philip Baker², Chao Tong².</i> ¹Chongqing Medical University, Chongqing, China; ²University of Leicester, Leicester, United Kingdom.</p> <p>T-201 Comparing the Ability of Pravastatin, Simvastatin and Rosuvastatin to Quench Markers of Endothelial Dysfunction in Pregnancy.
 <i>Natasha de Alwis¹, Sally Beard, Natalie Binder, Tu'uhevaha Kaitu'u-Lino, Fiona Brownfoot, Stephen Tong, Natalie Hannan¹.</i> ¹The University of Melbourne, Melbourne, Australia.</p> <p>T-202 CLA Rescues VEGF-Inhibited Ca²⁺ Signaling While Preserving Monolayer Integrity in HUVECs.
 <i>Amanda Mauro¹, Aishwarya Rengarajan¹, Ian Bird, Derek Boeldt.</i> ¹UW-Madison, Madison, WI, United States.</p> <p>T-203 Association of Markers of Endothelial Dysfunction and Pregnancy Outcome in Preeclampsia-Eclampsia among an Indian Population.
 <i>Vickneshwaran Vinayagam¹, Zachariah Bobby¹, Abraham Angelin Jeba Malari¹, Syed Hameedullah¹, Latha Chaturvedula¹, Shruthi Bharadwaj¹.</i> ¹Jawaharlal Institute of Post Graduate Medical Education and Research, Pondicherry, India.</p> <p>T-204 Reduction in Hypertension with Etanercept in a Preclinical Rat Model of Preeclampsia is Associated with Reduced NK Cell Activation and sFlt-1.
 <i>Aswathi Jayaram¹, Mark W Cunningham, Lorena Amaral, Denise Cornelius, Tarek Ibrahim, Venkata Ramana Vaka, Babbette LaMarca.</i> ¹University of Mississippi Medical Center, Jackson, MS, United States.</p> <p>T-205 Synergistic Upregulation of IP-10 and ITAC Expressions by LPS + IFNγ in Human First Trimester Decidual Cells May Presage Preeclampsia.
 <i>Bradley H. Sipe¹, Rachel G. Sprague¹, Ozlem Guzeloglu-Kayisli¹, Lynn Buchwalder², Frederick Schatz¹, Umit A Kayisli¹, Charles J Lockwood¹.</i> ¹University of South Florida Morsani College of Medicine, Tampa, FL, United States; ²Yale University, New Haven, CT, United States.</p> <p>T-206 Maternal Obesity and Hypertension Have a Synergistic Effect on the Risk for Neonatal Acidemia.
 <i>Kelsey LW Olschiff¹, Nandini Raghuraman, Julia Lopez, Rachel Paul, Alison Cahill.</i> ¹Washington University in St. Louis, Saint Louis, MO, United States.</p> <p>T-207 Clinical Predictors of Delayed-Onset Postpartum Preeclampsia.
 <i>Emily K Redman¹, Alisse Hauspurg¹, Carl A Hubel², James M Roberts², Arundhati Jeyabalan¹.</i> ¹Magee-Womens Hospital of UPMC, Pittsburgh, PA, United States; ²Magee-Womens Research Institute, Pittsburgh, PA, United States.</p> | <p>T-210 Gonadotropins versus Clomiphene Citrate for Unexplained Infertility: A Systematic Review and Meta-Analysis of Randomized Controlled Trials.
 <i>Jessica B. Zolton¹, Nancy Terry¹, Haley C. Hill¹, Alan H. DeCherney¹, Michal J. Hill^{1,2}.</i> ¹Eunice Kennedy Shriver National Institute of Child Health and Human Development, Bethesda, MD, United States; ²Walter Reed National Military Medical Center, Bethesda, MD, United States.</p> <p>T-211 When Does the Sticky Uterus Get Picky? Understanding Uterine Receptivity Testing Options.
 <i>Lauren Grimm¹, Aaron Rosen², Roohi Jeelani¹, Angie Beltsos¹.</i> ¹Vitas Fertility Institute, Chicago, IL, United States; ²Mercy Hospital and Medical Center, Chicago, IL, United States.</p> <p>T-212 Is Embryo Selection Really the Question? Factors Predictive of Having Supernumerary Embryos Following a Fresh IVF Transfer: an Analysis of SART CORS Data.
 <i>Yelunde Ibrahim¹, Gregory Stoddard, Erica Johnstone¹.</i> ¹University of Utah, School of Medicine, Salt Lake City, UT, United States.</p> <p>T-213 Effect of Treatment on High Miscarriage and Pregnancy Success in ART Cycles in Women with Suspected Endometriosis and Elevated BCL6 Levels.
 <i>Bruce A Lessey¹, Creighton E Likes¹, Paul B Miller¹, Ricardo Savaris², Leah J Cooper³.</i> ¹Greenview Health System, Greenville, SC, United States; ²Universidade Federal do Rio Grande do Sul, Porto Alegre, Brazil; ³University of South Carolina School of Medicine, Greenville, SC, United States.</p> <p>T-214 The Effect of Final Follicular Maturation Triggering On the Quantitative Assessment of Follicle Size and Oocyte Development - Preliminary Results.
 <i>Aya Mohr Sasson^{1,2}, Shlomit Blumenfeld¹, Michal Axelrod¹, Raoul Orvieto^{1,2}, Jigal Haas¹.</i> ¹Sheba Medical Center, Tel-Hashomer, Ramat-Gan, Israel; ²Sackler School of Medicine, Tel Aviv University, Tel-Aviv, Israel.</p> <p>T-215 Effects of Alpha-Lipoic Acid and Myo-inositol Supplementation on the Oocyte Environment of Obese Infertile Women.
 <i>Chiara Novelli¹, Gaia M Anelli¹, Fabrizia Liso¹, Anna Marzorati¹, Bina Parrilla², Monica Oneta², Valeria Savasi^{1,2}, Irene Cetin¹, Chiara Mando¹.</i> ¹Università degli Studi di Milano, Milan, Italy; ²Sacco Hospital, Milan, Italy; ³Buzzi Hospital, Milan, Italy.</p> <p>T-216 Fresh Day 3 Cleavage Stage Transfer after Failed Blastocyst Transfer or Following Failure to Progress to Blastocyst Stage: Is There Still Benefit?
 <i>Joshua Stewart¹, Monica Pasternack¹, David Pintado², Rony Elias¹, Zev Rosenwaks¹.</i> ¹Weill Cornell Center for Reproductive Medicine, New York, NY, United States; ²Instituto Reproduccion Asistida Quironsalud Pamplona, Navarra, Spain.</p> <p>T-217 Debunking 'Empty Follicle Syndrome': Subsequent IVF Cycles in Patients with No Oocytes at Retrieval.
 <i>Joshua Stewart¹, Steven Spandorfer¹, Zev Rosenwaks¹.</i> ¹Weill Cornell Center for Reproductive Medicine, New York, NY, United States.</p> <p>T-218 Progesterone Elevation during Controlled Ovarian Stimulation and Embryo Quality: The Overdue Evaluation of the Outcomes of a Freeze-All Strategy.
 <i>Valeria S Vanni¹, Agnese Rebecchi¹, Annalisa Raccat², Giovanni Campo², Eugenia Allevat¹, Laura Corti¹, Luca Pagliardini¹, Paola Viganò¹, Christophe Blockeel², Edgardo Somigliana², Enrico Papaleo¹.</i> ¹IRCCS San Raffaele Hospital, Milan, Italy; ²Centre for Reproductive Medicine, Universitair Ziekenhuis Brussel, Brussel, Italy; ³Fondazione Cà Granda, Ospedale Maggiore Policlinico, Via Commenda 12, Milan, Italy.</p> |
|--|---|
- REPRODUCTIVE ENDOCRINOLOGY, INFERTILITY**
- T-208** **The Effect of Periconceptional Paternal Folate Status on Semen Quality, Epigenetics and Pregnancy Outcomes; a Systematic Review and Meta-Analysis.**
Jeffrey Hook¹, Sten P. Willemsen¹, Régine P.M. Steegers-Theunissen¹, Sam Schoenmakers¹. ¹ErasmusMC Rotterdam, Rotterdam, Netherlands.
- T-209** **FSH-Stimulated Inhibin B and Estradiol Responses after GnRH Antagonist Suppression: An Acute In Vivo Model for Regulation of Human Ovarian Function.**
Katherine N Kuhn¹, Andrew P Bradford¹, Alex J. Polotsky¹. ¹University of Colorado School of Medicine, Aurora, CO, United States.

Thursday, March 14, 2019 - Poster Session I - Hall Maillot

- | | |
|---|--|
| <p>T-219 Favorable Changes in Phenotype Expression and Androgens in Women with PCOS Due to Weight Loss in a Three-Component Lifestyle Intervention Program.
Alexandra Dietz de Looz¹, Reinier Timman², Geranne Jiskoot¹, Annemette Beerhuizen², Jan Busschbach², Joop Laven², Erasmus Medical Center, Rotterdam, Netherlands.</p> <p>T-220 G4, a New Transgenic Mouse Model for Polycystic Ovary Syndrome (PCOS), is a Platform for Testing Therapeutic Approaches.
Mostafa Esmail[†], UQAM, Montreal, QC, Canada.</p> <p>T-221 Comparison of the Meta-Inflammation in PCOS Animal Models.
Claudia Göhner-Arbast[†], Heike Schaeke, Frank Sacher, Thomas Zollner, Martin Fritsch², Bayer AG, Berlin, Germany.</p> <p>T-222 Combined Lipid and Lipopolysaccharide (LPS) Exposure Dysregulates NFkB p105 Gene Expression in Mononuclear Cells (MNC) of Obese Women with Polycystic Ovary Syndrome (PCOS).
Frank González¹, Robert V. Considine², Jiaping Xue¹, Anthony J. Acton², ¹University of Illinois at Chicago College of Medicine, Chicago, IL, United States; ²Indiana University School of Medicine, Indianapolis, IN, United States.</p> <p>T-223 The Outcome of Ovulation Induction with CC in Women with PCOS of Different Ethnicity.
Cindy Meun[†], Eline Oostingh, Yvonne Louwers, Joop S.E. Laven², Erasmus University Medical Center, Rotterdam, Netherlands.</p> <p>T-224 Conservation of Protamine Modifications in Human Sperm.
Samantha B. Schon, Dan Polasky, Brock Juliano, Philip Andrews, Sue S. Hammoud², University of Michigan, Ann Arbor, MI, United States.</p> <p>T-225 Iatrogenic Premature Ovarian Insufficiency and Bone Mineral Density Trends in GATA2 Patients on Hormone Replacement.
Steven Gay[†], ¹Olivia Carpinelli[†], ²Monica Schointucht², Alan DeCherny², ¹National Institutes of Health, Bethesda, MD, United States; ²University of Alabama, Birmingham, Birmingham, AL, United States.</p> <p>T-226 Ovarian Stimulation is Safe and Effective in Many Patients with GYN Malignancies.
Ruba A. Ake[†], Jared C. Robins, Rafael Confino, Susan C. Klock, Angela K. Lawson, Kristen N. Smith, Mary Ellen Pavone², Northwestern University, Chicago, IL, United States.</p> <p>T-227 Comparison of Retrieved Ovarian Tissue from Pre-Pubertal and Post-Pubertal Patients Undergoing Ovarian Tissue Cryopreservation.
Shashwati Pradhan[†], ¹Maggie Dwiggins¹, Erin Robinson², Eric Widra², Veronica Gomez-Lobo², ¹Medstar Washington Hospital Center/Children's National, Washington, DC, United States; ²Shady Grove Fertility, Washington, DC, United States.</p> | <p>T-229 Use of Microelectrode Arrays to Measure Electrical Activities of Mouse Uterine Smooth Muscle.
Xiaofeng Ma¹, ¹Peinan Zhao¹, ²Monali Prabagar¹, ³Chinwendu Amuzi¹, ⁴Manasi Malik¹, ⁵Emily Matheu², ⁶Sarah England², ¹Washington University in St. Louis, St. Louis, MO, United States; ²Axion BioSystems, Atlanta, GA, United States.</p> <p>T-230 Novel Participation of Multidrug Resistance-Associated Protein 4 (MRP4) Transporter in LPA1-Mediated HTR-8/Svneo Cell Migration.
Micaela S. Sordelli¹, Jimena S. Beltrami¹, ¹Vanessa A. Cañumil[†], ²Nicolas Di Sierri[†], ³Carlos Davio², ⁴Maria Laura Ribeiro¹, ¹Center for Pharmacological and Botanical Studies, CONICET-UBA, Buenos Aires, Argentina; ²ININFA-UBA-CONICET, Buenos Aires, Argentina.</p> <p>T-231 Identification of DNA Fragmentation Sites in the Sperm Nucleus.
Juan Carlos Flores-Alonso¹, Rosalina Reyes Luna², ³Julio Cesar Rincon Camacho², ⁴Instituto Mexicano del Seguro Social, Atlixco, Mexico; ⁵Facultad de Ciencias Biológicas BUAP, Puebla, Mexico; ⁶Facultad de Medicina BUAP, Puebla, Mexico.</p> <p>T-232 Human Globozoospermia-Related Gene Spata16 Is Required for Sperm Formation Revealed by CRISPR/Cas9-Mediated Mouse Models.
Yoshitaka Fujiwara², Asami Oji, Tamara Larasati, Kanako Kojima-Kita, Masahito Ikawa², Osaka University, Osaka, Japan.</p> <p>T-233 Insulin and IGF-1 Does Not Alter the Morphokinetics of Mouse Embryo Development.
Khalid Kaskar¹, Richard Cochran¹, Chellakkan Blesson¹, ²Daneeka Hamilton[†], ³Amanda David[†], ⁴Ralf Henkel¹, ⁵William Gibbons¹, ¹Baylor College of Medicine, Houston, TX, United States; ²Texas Children's Hospital, Houston, TX, United States; ³University of the Western Cape, Bellville, South Africa; ⁴American Center for Reproductive Medicine, Cleveland Clinic, Cleveland, OH, United States.</p> <p>T-234 Oleic Acid Increases Blastocyst Development of Palmitic Acid Treated Mouse Embryos.
Maison D. Yousif[†], ¹Michele D. Calder¹, ²Dean H. Betts¹, ³Andrew J. Watson¹, ¹Western University, London, ON, Canada; ²Children's Health Research Institute, London, ON, Canada.</p> <p>T-235 Development and Comprehensive Analysis of Hormone Responsive Human Endometrial Epithelial Organoids in 3D Culture.
Harriet C. Fitzgerald[†], Susanta K. Behura, Pramod Dhakal, Danny J. Schust, Thomas E. Spencer, University of Missouri, Columbia, MO, United States.</p> <p>T-236 Characterization of Ion Channels as Signal Modulators in Endometrium-Derived Organoids.
Aurélienne Hennes[†], ¹Matteo Boretto[†], ²Arne Vanhie², ³Karen Peeraer², ⁴Carla Tomassetti², ⁵Christel Meuleman², ⁶Thomas Voets¹, ⁷Hugo Vankelecom¹, ⁸Joris Vriens¹, ¹KU Leuven, Leuven, Belgium; ²UZ Leuven, Leuven, Belgium.</p> <p>T-237 Aberrant Specification of Endometrial Stromal Cells into Distinct Decidual Subpopulations in Recurrent Pregnancy Loss.
Emma S. Lucas[†], ¹Pavle Vrljicak[†], ²Joanne Mutter[†], ³Maria Diniz-da-Costa[†], ⁴Sascha Ott², ⁵Jan J. Brosens¹, ¹Warwick Medical School, Coventry, United Kingdom; ²University of Warwick, Coventry, United Kingdom.</p> <p>T-238 Decidual-Secreted miRs: Essential Mediators of Maternal-Fetal Dialogue during Early Pregnancy.
Ellen Menkhof[†], Kate Rainczuk, Eva Dimitriadis², The University of Melbourne, Melbourne, Australia.</p> |
|---|--|

REPRODUCTIVE BIOLOGY

- T-228** **Impact of Adrenomedullin Blockage on Lipid Metabolism in Female Mice Exposed to High Fat Diets.**
Yuanlin Dong, Nicola van der Walt, Kathleen Pennington, Chandra Yallampalli, Baylor College of Medicine/Texas Children's Hospital, Houston, TX, United States.

Thursday, March 14, 2019 - Poster Session I - Hall Maillot

- T-239 Both Nuclear and Membrane-Associated Progesterone Receptors Promote Endometrial Decidualization.**
Shu-Wing Ng,¹ Michelle Ng,¹ Peter Thomas,² Errol R Norwitz,¹ ¹Tufts Medical Center, Boston, MA, United States; ²University of Texas at Austin, Port Aransas, TX, United States.
- T-240 Expression and Function of the Iron Transport Protein, Ferroportin, at the Maternal-Fetal Interface.**
Shu-Wing Ng,¹ Chungyan Lee,¹ Amy S Ng,¹ Shu-Kay Ng,² Felice Arcuri,² Paolo Toti,² Errol R Norwitz,¹ ¹Tufts Medical Center, Boston, MA, United States; ²Griffith University, Nathan, Australia; ³University of Siena, Siena, Italy.
- T-241 Copper and Lead, Two Inorganic Metalloestrogens, Disturb Reproductive Features of Primary Endometrial Stromal (ESC) and Epithelial Cells (EEC).**
Silvia Pérez-Debat,¹ Roberto Gonzalez-Martín,¹ Alicia Quiñero,¹ Stefania Salsano,¹ Francisco Dominguez,^{1,2} ¹Fundación Instituto Valenciano de Infertilidad (FIVI), Valencia, Spain; ²Instituto Universitario IVI (IUIV)/INCLIVA Biomedical Research Institute, Valencia, Spain.
- T-242 The Effect of Interleukin 1β on Eicosanoid Enzyme Gene Expression in Endometrium and Trophoblast Cells in a Co-Culture Model.**
Kanchan Vaswani,¹ Fatema B Almughliq,² Yong Kin Koh,^{1,2} Hassendini N Peiris,¹ Renuka Sekar,^{1,4} Amoko A Kwasi,^{1,4} Sailesh Kumar,^{1,4} Murray D Mitchell,¹ ¹Queensland University of Technology, Brisbane, Australia; ²University of Queensland Centre for Clinical Research, Brisbane, Australia; ³Royal Brisbane & Women's Hospital, QLD, Australia, Brisbane, Australia; ⁴Faculty of Medicine, Brisbane, Australia; ⁵Mater Research Institute, QLD, Australia, Brisbane, Australia.
- T-243 Oocyte Ultrastructure in Wildtype and *Nlrp2* Null Mice: A Transmission Electron Microscopy (TEM) Study.**
Sara Ariani,¹ Sangeetha Mahadevan,¹ Malgorzata Kloc,² Kenneth Dunner,³ Ignatia Van den Veyver,¹ ¹Baylor College of Medicine, Houston, TX, United States; ²Methodist, Houston, TX, United States; ³MD Anderson, Houston, TX, United States.
- T-244 Major Transitions of the Ovary in Metabolism, Vulnerability to Toxicants, and Gene Expression with the Loss of MDR1a.**
Haley Clark,¹ Lynae Brayboy,² Knapik Laura,² Xiaotian Wu,² Adrian Reich,² Wessel Gary,¹ ¹Brown University, Providence, RI, United States; ²Women & Infants Hospital of Rhode Island, Alpert Medical School, Providence, RI, United States; ³Brown University School of Public Health, Providence, RI, United States; ⁴The Scripps Institute, Jupiter, FL, United States.
- T-245 Control of the Rate of Murine Primordial Follicle Growth Activation by NFκB Signaling.**
Clyde J. Wright, Evelyn Llerena Cari,¹ Jeri Sandoval, Elise Bales, Sarah McKenna, Alex J. Polotsky, Joshua Johnson,¹ ¹University of Colorado School of Medicine (AMC), Aurora, CO, United States.
- T-246 Inhibition of Follicle Stimulating Hormone (FSH) Signaling in Human Granulosa Cells by the A-Kinase Anchoring Protein 13 (AKAP13) Inhibitor, A13.**
Jacqueline Mahert,¹ Paul Driggers, Kamaria Cayton Vaught,¹ Ashlie Sewdass,¹ James Segars,¹ Johns Hopkins University School of Medicine, Baltimore, MD, United States.
- T-247 Expression of c-Abi and mTERT in DMBA-Induced Premature Ovarian Insufficiency (POI) Mouse Model.**
Aylin Yaba Ucar, Ecem Yildirim, Tugce Onel, Hatice Parlaktas, Yeditepe University, Istanbul, Turkey.
- T-248 Magnesium Reduces Inflammation by Decreasing Mononuclear Phagocyte-Mediated TNF-Alpha Production.**
Helene B Bernstein,¹ Helen Auburn, Elizabeth Eill, Steven M. Taffet, SUNY Upstate Medical University, Syracuse, NY, United States.
- T-249 Impact of Uterine Microbiota on the Prevalence of Uterine Fibroids in Women of Colors.**
Abdeljabar El Andaloussi,¹ Jack Gilbert,² Sharma Anukriti,¹ Ayman Al-Hendy,¹ Nahed Ismail,¹ ¹UIC, Chicago, IL, United States; ²UC, Chicago, IL, United States.
- T-250 Macrophage Regulation of Decidual Vascular Remodelling is Crucial for Pregnancy Success in Mice.**
Holly M. Groomet,¹ Alison S. Care,¹ Peck Y. Chin,¹ Claire T. Roberts,¹ Sarah A. Robertson,¹ Robinson Research Institute, University of Adelaide, Adelaide, SA, 5005, Australia.
- T-251 Lower Proportions of Regulatory T-Cells in Decidua Basalis of Uncomplicated Term Pregnancies with a Male Fetus.**
Anne Laskewitz,¹ Tom E. Kieffert,¹ Sico A. Scherjon,¹ Marijke M. Faas,¹ Jelm R. Prins,¹ University Medical Center Groningen, Groningen, Netherlands.
- T-252 Shift in Immune Cell Composition at the Maternal-Fetal Interface in the Setting of Intrauterine Inflammation: Possible Mechanism for Fetal Brain Injury.**
Emma L. Lewis,¹ Amy G. Brown, Paige M. Porrett, Michael A. Elowitz,¹ University of Pennsylvania, Philadelphia, PA, United States.
- T-253 Pregnancy Induced Memory of Human Uterine NK Cells.**
Renate G. van der Molen,¹ Dorien Feyaerts,¹ Olivier W.H. van der Heijden,¹ Arnold Van der Meer,¹ Irma Jostens,¹ Radboud University Medical Center, Nijmegen, Netherlands.
- T-254 Presence of High Endothelial Venules in Endometrium and Decidua: Association with Reduced Numbers of Myeloid Cells and Infiltrating T Cells in Recurrent Spontaneous Abortions.**
Karin Windsperger,¹ Sigrid Vondrat,¹ Sabine Dekan,¹ Martin Knöfler,¹ Jürgen Polheim,¹ Medical University of Vienna, Vienna, Austria.
- T-255**
- T-256 Autophagy in Stem Cells of Human Uterine Fibroids.**
Abdeljabar El Andaloussi,¹ Ayman Al-Hendy,¹ Nahed Ismail,¹ UIC, Chicago, IL, United States.
- T-257 Differentiation of Human Cytotrophoblast from Human Amniocyte-Derived Induced Pluripotent Cells.**
Christopher J. Anchan, Nicholas W-C Ng, Xinjie Chen, Thomas McElrath, Raymond M. Anchan,¹ Brigham & Women's Hospital, Harvard Medical School, Boston, MA, United States.
- T-258 Human Amniotic-Derived Stem Cell Transplantation in a Rat Varicocele Model.**
Ilaria Falanga,¹ Davide Perruzzat,¹ Valentina Russo,¹ Nicola Bernabò,¹ Luca Valbonetti,¹ Ivana Antonucci,² Liborio Stuppia,² Ornella Parolini,² Mauro Mattioli,¹ Barbara Barboni,¹ ¹University of Teramo, Teramo, Italy; ²University G. D'Annunzio of Chieti-Pescara, Chieti, Italy; ³Catholic Univ. of the Sacred Heart, Roma, Italy.

WITHDRAWN

Thursday, March 14, 2019 - Poster Session I - Hall Maillot

EPIDEMIOLOGY, POPULATION HEALTH & GLOBAL HEALTH

- T-259 Area of Residence, Socioeconomic Status and the Risk of Adverse Maternal and Birth Outcomes in Adolescent Mothers in Alberta (Canada).**
Sana Amjad¹, Alvaro Osorio-Vargas, Sujata Chandra, Don Vosklander, Maria B Ospina*. *University of Alberta, Edmonton, AB, Canada.*
- T-260 Current Folate Status in Chilean Women of Childbearing Age: Findings from the 2016-2017 National Health Survey.**
Dolores Busso, Guadalupe Echeverría, Fernanda Morales¹, Marcelo Farias, Paula Margozzini. *Pontificia Universidad Católica de Chile., Santiago, Chile.*
- T-261 Associations between Serum Hormones and Birth Outcomes among Pregnant Women in Puerto Rico.**
Amber Cathey¹,² Deborah Watkins,¹ Zaira Rosario,² Carmen M Vélez Vega,² Akram Alshawabkeh,² Jose Cordero,² Bhramar Mukherjee,¹ John Meeker*.¹ *¹University of Michigan, Ann Arbor, MI, United States; ²University of Puerto Rico, San Juan, PR, United States; ³Northeastern University, Boston, MA, United States; ⁴University of Georgia, Athens, GA, United States.*
- T-262 Gestational Age at Delivery in Somalian Diaspora Compared with Other Ethnic Groups.**
Stephen A. Contag*. *University of Minnesota, Minneapolis, MN, United States.*
- T-263 Association of Blood Cadmium and Lead Levels with Reproductive Lifespan Among Postmenopausal Women: NHANES 2005-2014.**
Roberto Gonzalez-Martinez¹, Maria Tellez-Plaza,² Francisco Dominguez*,^{1,2} *Fundación Instituto Valenciano de Infertilidad (FIVI), Valencia, Spain; ²INCLIVA Biomedical Research Institute, Valencia, Spain.*
- T-264 Social Media & Patient Experience: Patient Perspectives on @Physicianfluencers.**
Anisa Hussain¹,² Jacqueline Sehnring¹, Elisabeth Rosent¹, Jody Esquerra¹, Ruchi Amin², Karine Matevosian²,³ Roohi Jeelani¹, Angeline Beltsos*.¹ *¹Vios Fertility Institute, Chicago, IL, United States; ²Wayne State University School of Medicine, Detroit, MI, United States; ³Advocate Lutheran General Hospital, Park Ridge, IL, United States.*
- T-265 Disparities in Obstetric Morbidity by Maternal Level of Education.**
Adina Kem-Goldberger¹, Nigel Maddent¹, Caitlin Baptiste¹, Alexander Friedman, Cynthia Gyan-Bannerman*. *Columbia University Irving Medical Center, New York, NY, United States.*
- T-266 Medical Health-Care from Womb: Before Birth Detection of Autism, It is Possible, or Not?**
Yoshitaka Kimura*. *Tohoku University, Sendai, Japan.*
- T-267 Interventions to Reduce Cesarean Delivery Rate in a Tertiary Hospital in China.**
Xiaoyan Sha,¹ Huiping Hu,¹ Jinying Yang,¹ Dajun Fang,¹ Weidong Li,¹ Huizhu Zhang,¹ Dean V Coonrod,² Huishu Liu.¹ *¹Guangzhou Women & Children Medical Center, Guangzhou, China; ²Maricopa Integrated Health System / District Medical Group and University of Arizona College of Medicine-Phoenix, Arizona, AZ, United States.*

- T-268 Caesarean Section Delivery and Childhood Obesity: Evidence from Growing Up in New Zealand.**
Swamyai Masukumbe¹,² Fergus P McCarthy*,^{1,2} Philip N Bakers,² Louise C Kenney*,³ Susan MB Morton*,² Ali S Khashan*,^{1,2} *¹The Irish Centre for Fetal and Neonatal Translational Research (INFANT), Cork, Ireland; ²King's College London, Faculty of Health and Life Sciences, School of Life Course Sciences, United Kingdom; ³College of Life Sciences, University of Leicester, Leicester, United Kingdom; ⁴Faculty of Health and Life Sciences, University of Liverpool, Liverpool, United Kingdom; ⁵University of Auckland, Auckland, New Zealand; ⁶University College Cork, Cork, Ireland.*
- T-269 The Impact of Mode of Delivery on the Risk of Asthma in the Offspring.**
Fergus P McCarthy,¹ Eve Quinn,¹ Ali S Khashan*,^{1,2} *¹The Irish Centre for Fetal and Neonatal Translational Research, Cork, Ireland; ²University College Cork, Cork, Ireland.*
- T-270 Barriers for Preeclampsia Diagnosis and Treatment in Low-Resource Settings: An Example from Bolivia.**
Lilian Toledo-Jaldin¹, Sheana Bull,² Stephen Contag,³ Carlos Escudero,⁴ Patricia Gutierrez,² Alexandra Heath,⁵ James M Roberts,² Jean Scandlyn,⁶ Colleen G. Julian,² Lorna G. Moore*,² *¹Hospital Materno Infantil, La Paz, Bolivia, Plurinational State of; ²University of Colorado Denver, Aurora, CO, United States; ³University of Minnesota, Minneapolis, MN, United States; ⁴Universidad del Bio-Bio, Chillán, Chile; ⁵Caja Nacional de Salud, La Paz, Bolivia, Plurinational State of; ⁶Kardiozentrum, La Paz, Bolivia, Plurinational State of; ⁷Magee-Womens Research Institute, Pittsburgh, PA, United States; ⁸University of Colorado Denver, Denver, CO, United States.*
- T-271 Gestational Age at Delivery of Twins and the Risk of Perinatal Death: A Population Cohort Study.**
Sarah R Murray¹,² MacKay F Daniel*,² Sarah J Stock*,¹ Jill P Pell*,² Jane E Norman*,¹ *¹Queen's Medical Research Institute, University of Edinburgh, Edinburgh, United Kingdom; ²University of Glasgow, Glasgow, United Kingdom.*
- T-272 Effects on IVF of Short-Term Exposure to Particulate Air Pollution.**
Luca Pagliardini,¹ Simona Iodice,² Elisa Giacomini,¹ Laura Cantone,² Enrico Papaleo,¹ Paola Viganò,¹ Valentina Bollati.^{3,2} *¹IRCCS San Raffaele Scientific Institute, Milan, Italy; ²Università degli Studi di Milano, Milan, Italy; ³Fondazione IRCCS Ca' Granda Ospedale Maggiore Policlinico, Milan, Italy.*

Friday, March 15, 2019 - Poster Session II - Hall Maillot

9:00 AM - 11:00 AM

Poster Session

BASIC PARTURITION, PREMATURITY

- F-001** **Predicting Preterm Birth: A Potential Biomarker Panel.**
Elizabeth C Considine, University College Cork, Cork, Ireland.
- F-002** **FKBP5 Gene Depletion Prevents Glucocorticoid- or Maternal Restrained Stress-Induced Fetal Growth Restriction (FGR) in Mice.**
Ozlem Guzeloglu-Kayisli, Asli Ozmen, Nihan Semerci, Kellie Larsen, Xiaofang Guo, Rachel Llewellyn, Joseph Huang, Frederick Schatz, Umit A Kayisli*, Charles J Lockwood*, University of South Florida, Tampa, FL, United States.
- F-003** **Effect of 2-Arachidonoylglycerol on the Production of Prostaglandin E₂ by Human Amnion Explants.**
Hassendrini N Peiris†,¹ Kanchan Vaswani,¹ Fatema B Almughliq†,² Yong Q Koh†,² Renuka Sekar,^{3,2} Akwasi A Amoako,^{3,2} Salleesh Kumar,^{4,5} Murray D Mitchell*,¹ ¹Queensland University of Technology, Brisbane, Australia; ²University of Queensland, Brisbane, Australia; ³Royal Brisbane & Women's Hospital, Brisbane, Australia; ⁴Mater Research Institute, Brisbane, Australia; ⁵Mater Health Services, Brisbane, Australia.
- F-004** **Mid-Trimester Amniotic Fluid Contains a Metabolicomic Signature Predictive of Later Spontaneous Preterm Birth.**
Maxim D. Seferovic†,¹ James Cox,² Bradley Naylor,² Derrick Chu,¹ Ryan Pace,¹ Diana Racusin,¹ Alex Vidaeff,¹ Kersti Agaard*,¹ ¹Baylor College of Medicine, Houston, TX, United States; ²University of Utah, Salt Lake City, UT, United States; ³University of Texas, Houston, TX, United States.
- F-005** **Preliminary Analysis of Ovarian Response to FSH during IVF and the Timing of Birth.**
Julie AW Stilley, Miranda R Eubank, University of Missouri, Columbia, MO, United States.
- F-006** **Progesterone Affects the NALCN and Slo2.1 Complex, Which Regulates Myometrial Excitability.**
Chinwendu Amazur†, Juan Ferreira†, Celia Santi*, Sarah England*, The Washington University School of Medicine in St. Louis, St. Louis, MO, United States.
- F-007** **Discriminative Capacity of 'H-MRS Spectrum Binning for Preterm Delivery-Associated Lactobacilli-Dominated Vaginal Microbiota.**
Emmanuel Amabebe†, Steven Reynolds*, Dilly O Anumba*, University of Sheffield, Sheffield, United Kingdom.
- F-008** **Differential Cytokine and Metabolite Expression by Cervicovaginal Epithelial Cells Infected with Lactobacillus Crispatus and Preterm Birth-Associated Bacteria.**
Emmanuel Amabebe†, Megan E Cavanagh†, Dilly O Anumba*, University of Sheffield, Sheffield, United Kingdom.
- F-009** **The Effect of Simvastatin Treatment on the Fetal Lung in a Mouse Model of Preterm Birth.**
Ashley K Boyle†, Sophie Raterman†, Jane E Norman*, University of Edinburgh, Edinburgh, United Kingdom.
- F-010** **A Clinically Relevant Animal Model of Intra-Amniotic Infection Induced by Genital Mycoplasmas.**
Valeria Garcia-Flores†,¹ Roberto Romero,² George Schwenkel,¹ Yi Xu,¹ Sonia Hassan,¹ Chaur-Dong Hsu,¹ Kevin Theis,¹ Nardhy Gomez-Lopez*,¹ ¹Wayne State University SOM, Detroit, MI, United States; ²NICHD, Detroit, MI, United States.

- F-011** **High Concentrations of Flame Retardants Increase the Risk of Spontaneous Premature Rupture of Membranes (sPPROM).**
Darios Getahun,^{1,2} Michael J Fassett,¹ Yuko Arita,⁴ Vicki Y Chiu,¹ Harpreet S Takhar,¹ Ramkumar Menon,⁵ Morgan R Peltier*,⁴ ¹Kaiser Permanente Southern California, Pasadena, CA, United States; ²Rutgers-Robert Wood Johnson Medical School, New Brunswick, NJ, United States; ³West Los Angeles Kaiser Permanente Southern California Medical Group, Los Angeles, CA, United States; ⁴Winthrop University, Mineola, NY, United States; ⁵University of Texas Medical Branch, Galveston, TX, United States.
- F-012** **Patients with High Plasma Levels of Pbbe-47 are at Increased Risk for Preterm Birth.**
Darios Getahun,^{1,2} Michael J Fassett,¹ Yuko Arita,⁴ Vicki Y Chiu,¹ Harpreet S Takhar,¹ Ramkumar Menon,⁵ Morgan R Peltier*,⁴ ¹Kaiser Permanente Southern California, Pasadena, CA, United States; ²Rutgers-Robert Wood Johnson Medical School, New Brunswick, NJ, United States; ³West Los Angeles Kaiser Permanente Southern California Medical Group, Los Angeles, CA, United States; ⁴Winthrop University, Mineola, NY, United States; ⁵School of Medicine, University of Texas Medical Branch, Galveston, TX, United States.
- F-013** **Exposure to Systemic and Intrauterine Inflammation Leads to Similarly Decreased Pup Survival via Different Placental Mechanisms.**
Ji Yeon Lee, Christopher M Novak, Quan Na, Na E Shin, Jie Dong, Anna Chudnovets, Su Li, Michael McLane, Jun Lei, Irina Burd, Integrated Research Center for Fetal Medicine, Department of Gynecology and Obstetrics, Johns Hopkins University School of Medicine, Baltimore, MD, United States.
- F-014** **Establishment of Vaginal Microbiota Composition in Early Pregnancy and Its Relationship with Subsequent Preterm Prelabour Rupture of the Fetal Membranes.**
Richard G Brown,¹ Maya Al-Memari,¹ Julian Marchesi,¹ Yun S Lee,¹ Ann Smith,² Denise Chan,¹ Holly Lewis,¹ Lindsay Kindinger,¹ Vasso Terzidou,¹ Tom Bourne,¹ Philip R Bennett,¹ David A MacIntyre*,¹ ¹Imperial College London, London, United Kingdom; ²University of Cardiff, Cardiff, United Kingdom.
- F-015** **Gender Dimorphism Following Sepsis Induction in a Mouse Model.**
Noor Mohd Nasrit,^{1,2} James Leiper*,³ Mark Johnson*,¹ ¹Imperial College London, London, United Kingdom; ²Universiti Kebangsaan Malaysia, Kuala Lumpur, Malaysia; ³University of Glasgow, Glasgow, United Kingdom.
- F-016** **Antenatal Administration of a Potential Interleukin-6 Antagonist Prevents Inflammation-Induced Preterm Birth and Fetal Tissue Injury.**
Elizabeth Prairiet†,^{1,2} Sarah-Eve Loisele,^{1,2} Xin Hou,¹ Mathieu Nadeau-Vallee,^{1,2} Estefania Marin Sierra,¹ Christiane Quiniou,¹ Sarah Robertson,³ David Olson,⁴ Sylvain Chemtob,¹ ¹CHU Sainte-Justine Research Center, Montreal, QC, Canada; ²University of Montreal, Montreal, QC, Canada; ³University of Adelaide, Adelaide, Australia; ⁴University of Alberta, Edmonton, AB, Canada.
- F-017** **Enriched Environment Strategy Improves Pregnancy Outcome and Offspring's Adult Health after an Immune Challenge during Gestation.**
Julietta Schander†,¹ Julieta Aisemberg*, Manuel Wolfson*, Cora Cmyerng*, Federico Jensen*, Ana Franchi*, Centro de Estudios Farmacológicos y Botánicos (CEFyBO), Ciudad Autónoma de Buenos Aires, Argentina.

Friday, March 15, 2019 - Poster Session II - Hall Mailot

- F-018 The Blood Microbiota Composition during Healthy Pregnancy in Korean Women.**
Young-Ah You,¹ Eun Jin Kwont,¹ Ji Eun Doo,¹ Soo Min Kim,¹ Mi Hye Park,¹ Young Ju Kim.¹ *Ewha Womans Univ., Seoul, Korea, Republic of; ¹Ewha Womans University, Seoul, Korea, Republic of.*
- F-019 Stretch Increases High-Mobility Group Box 1 (HMGB1) Secretion from Human Epithelial Cells.**
Nainoa N Ing, Hannah Baker, Vanessa Ignacio, Cassandra Song, Claire E Kendal-Wright. *Chaminade University of Honolulu, Honolulu, HI, United States.*
- F-020 Human Amniotic Epithelial Cells (hAEC) are Able to Form NLRP7 Inflammasomes Following a Treatment by FSL-1.**
Marilyne Lavergne,¹ Corinne Belville,¹ Christelle Grosst,¹ Denis Gallot,¹ Vincent Sapin,¹ Loic Blanchon.¹ *GREC, Clermont-Ferrand, France.*
- F-021 Multi-Omics Profiling, Microscopic Cervical Remodeling, and Parturition: Insights from the Smart Diaphragm Study.**
Liang Liang,¹ Jessilyn P Dunn,¹ Songjie Chen,¹ Ming-Shian Tsai,¹ Daniel Hornburg,¹ Sara Newmann,² Monika Avina,¹ Yuxin Leng,¹ Ryan Holman,² Tiffany H Lee,² Saiga Qureshi,² Emma Montelongo,² Bingqing Zhao,¹ Laura Jelliffe,² Michael Snyder,² Larry Rand.² *¹Stanford University, Stanford, CA, United States; ²University of California San Francisco, San Francisco, CA, United States.*
- F-022 The In-Vitro Distention of Primary Human Amnion Epithelial Cells Decreases Nuclear-Factor- κ B-Related Factor 2 (Nrf2) Expression.**
Justin G Padron,¹ Cassandra Song,² Claire E Kendal-Wright.² *¹University of Hawaii, Honolulu, HI, United States; ²Chaminade University of Honolulu, Honolulu, HI, United States.*
- F-023 Transitioning Amnion Mesenchymal Cells Maintain Fetal Membrane Integrity.**
Lauren Richardson,¹ Ramkumar Menon.¹ *UTMB, Galveston, TX, United States.*
- F-024 Quantitative Fetal Fibronectin Undertaken Prior to Insertion of Rescue Cerclage Predicts Latency to Delivery.**
Natalie Sulff,¹ Katy Kuhr,¹ Rachel M Tribe, Andrew Shennan, Manju Chandiramani. *King's College London, London, United Kingdom.*
- F-025 Injectable Silk-Based Hydrogel as an Alternative to Cervical Cerclage: A Rabbit Study.**
Yali Zhang,¹ Nicole Raia,² Ashley Peterson,¹ David Kaplan,² Michael House.¹ *¹Tufts Medical Center, Boston, MA, United States; ²Tufts University, Medford, MA, United States.*
- F-026 Aspects of Myometrial Phenotype Transitions in Cell Culture Models.**
Trent Butler,^{1,2} Roger Smith,^{1,2} Eng-Cheng Chan.^{1,2} *¹University of Newcastle, Newcastle, Australia; ²Hunter Medical Research Institute, Newcastle, Australia.*
- F-027 A Decline in Tyrosine Phosphatase SHP-1 during Late Gestation Enhances Myometrial Remodeling via Activation of Focal Adhesion Kinase Leading to Labor.**
Lu Gao,¹ Huai-Yan Chen, Ling-Tong Gao, Wei-Na Liu, Yu-Ji Zhang, Gang Wang, Xin Ni. *Second Military Medical University, Shanghai, China.*
- F-028 Investigating PKA and AKIP Mediated Regulation of NF- κ B Transcriptional Activity in Primary Myometrial Cells.**
Jonathan K. Li,¹ Hyemin Kim,^{1,2} Mark Johnson.¹ *¹Imperial College London, London, United Kingdom; ²Samsung Medical Centre, Seoul, South Korea, Korea, Republic of.*

- F-029 The Effectiveness of Electroceutical versus Pharmaceutical Tocolysis in Decreasing Preterm Uterine Electrical Activity.**
Kathryn E Patlick,¹ Jeffrey Kardos,¹ Neil Euliano,² Minh Tam Nguyen,² Anthony Gregg,³ Frederick Naftolin.⁴ *¹University of Florida, Gainesville, FL, United States; ²OBMedical, Inc., Newberry, FL, United States; ³Baylor University Medical Center, Dallas, TX, United States; ⁴New York University, New York University, NY, United States.*
- F-030 Comparison of Prostaglandin E2 (PGE2) and Prostaglandin E1 (PGE1) and Characterization of Uterine Response Based on Vasoactive Peptide and Flow Volume in Low Risk Pregnancy at Term.**
Gabriele Urban,¹ Stefano Signorini,² Di Iorio Romolo,³ Piero Tortoli.⁴ *¹CHNM, Mayenne, France; ²University of Milan-Bicocca, Desio Hospital, Italy; ³University of Rome, Rome, Italy; ⁴University of Florence, Florence, Italy.*
- F-031 Novel and Transformative Changes in the cAMP Effector Pathway in Three Distinct Types of Preterm Labour.**
Alice Varley,¹ Angela Yulia, Kaiyu Lei, Vignesh Jayarajan, Natasha Singh, Sureen R Soranna, Mark R Johnson. *Imperial College London, London, United Kingdom.*
- F-032 Accessible Genome in Human Myometrial Tissues.**
San-Pin S Wu,¹ Tianyuan Wang,¹ Matthew L Anderson,² Francesco J DeMayo.¹ *¹National Institute of Environmental Health Sciences, Research Triangle Park, NC, United States; ²Baylor College of Medicine, Houston, TX, United States.*

GYNECOLOGY

- F-033 A Comparison of Hysterectomies for Bleeding with Hysterectomies for Pain.**
Turner Bradley,¹ Stewart F Cramer,² Debra S. Heller.³ *¹University of Rochester School of Medicine, Rochester, NY, United States; ²University of Rochester School of Medicine, Rochester General Hospital, Rochester, NY, United States; ³Rutgers-New Jersey Medical School, Newark, NJ, United States.*
- F-034 Increased Expression of Osteomodulin and C-Type Lectin Domain Family 4 Member in Abnormal Intrauterine Pregnancies Compared to Ectopic Pregnancies.**
Jessica A Lentscher,¹ Laurel Gillette, Zachary Colburn, Richard O Burney, Gregory E Chow. *Madigan Army Medical Center, Tacoma, WA, United States.*
- F-035 Using Dynein Heavy Chain-5 & Creatine Kinase Levels in Cervical Fluid and Blood for Early Diagnosing of Ectopic Pregnancy.**
Cagdas Sahin,¹ Zihni Onur Uygun, Ismet Hortu, Ali Akdemir, Meltem Kocamanoglu, A. Mete Ergenoglu, Yasemin Akcay. *Ege University, Medicine Faculty, Izmir, Turkey.*
- F-036 Contraceptive Practice in Obese Women Who Have Undergone a Bariatric Surgery Procedure.**
Darios Getahun,¹ Morgan R Peltier,² Deborah A Wing,³ Theresa M Im,¹ Vicki Y Chiu,¹ Harpreet S Takhar,¹ Sally F Shaw,¹ Michael J Fasset.⁴ *¹Kaiser Permanente Southern California, Pasadena, CA, United States; ²Winthrop University, Mineola, NY, United States; ³University of California, Irvine, CA, United States; ⁴West Los Angeles KPSC Medical Group, Los Angeles, CA, United States.*

Friday, March 15, 2019 - Poster Session II - Hall Maillot

- F-037 The Effects of Guizhi Fuling Wan on the Development of Endometriosis.**
Chun-Chen Chen, Chun-Yen Huang, Li-Yen Shiu, Ya-Chun Yu, Tzu-Wei Liu, Jui-Chi Lai, Nari Kay, Yu Chang, S. Joseph Huang, S. Joseph Huang, E-Da Hospital, Kaohsiung, Taiwan.
- F-038 Phenotypic Characterisation of Lesion-Resident and Peritoneal Macrophages in a Mouse Model of Endometriosis.**
Chloe Hoggt, Andrew W Horne, Jeffrey W Pollard, Erin Greaves, University of Edinburgh, Edinburgh, United Kingdom.
- F-039 Obesity Does Not Impact on Endometrial Gene Expression in Women with Endometriosis.**
Sarah J Holdsworth-Carson, Jessica Chung, Martin Healey, Jenny N Fung, Grant Montgomery, Peter Rogers, Jane Girling, University of Melbourne, Parkville, Australia; University of Queensland, Brisbane, Australia; University of Otago, Dunedin, New Zealand.
- F-040 Migrating Stem Cell-Like Pale Cells in Adenomyosis: New Insight into the Disease Pathogenesis.**
Mohamed Gamal Ibrahim, Veronika Altenburger, Walid Shalaan, Sebastian Schäfer, Ludwig Kiesel, Birthe Heitkötter, Uwe Hansen, Sylvia Mechsner, Martin Götte, Andreas Schüring, University Hospital of Muenster, Muenster, Germany; Charité University of Medicine, Berlin, Germany.
- F-041 Exosome Proteins from Peritoneal Fluid Samples of Women as Potential Biomarkers of Endometriosis.**
Hannah M Nazzari, Maria Imran, Kavita S Subramaniam, Roman Fischer, Benedikt Kessler, Krina T Zondervan, Thomas T Tapmeier, Christian M Becker, Endometriosis CaRe Centre, University of Oxford, Oxford, United Kingdom; University of Oxford, Oxford, United Kingdom; Wellcome Centre for Human Genetics, Oxford, United Kingdom.
- F-042 Deformability of Eutopic Endometrial Stromal Cells is a Potential Biomarker of Endometriosis.**
Essam R Othman, Ahmad Altayeb, Maha Khashbah, Mohamed El-Mokhtar, Abdelhady Esmael, Cornelis B Lambalk, Velja Mijatovic, Mohamed O Abdelgawad, Assiut University, Assiut, Egypt; Zewail City of Science and Technology, Giza, Egypt; Amsterdam University Medical Center, Amsterdam, Netherlands.
- F-043 A New Rat Model to Investigate Endometriosis-Associated Pain Using Menstrual Endometrial Tissue.**
Eleonora Persoons, Katrien De Clercq, Joris Vriens, Silvia Poseiro coutinho Pinto, K.U. Leuven, Leuven, Belgium.
- F-044 $\beta 2$ Adrenergic Receptor Expression in Human Endometrial Stromal Cells Potentially Mediates Catecholestadiol-Induced Proliferation: Implications for Endometriosis.**
Rachel G Sprague, Joung W Kim, Esma Kirimoglu-Konuk, Ronald R Magness, Anthony N Imudia, Charles J Lockwood, Umit A Kayisli, University of South Florida, Tampa, FL, United States.
- F-045 Treatment Algorithm for Women with Endometriosis Related Subfertility.**
Lisette van der Houwen, Velja Mijatovic, Amsterdam UMC, Amsterdam, Netherlands.
- F-046 Farnesoid X Receptor Agonist GW4064 Inhibits Aromatase and ER β Expression in Human Endometriotic Stromal Cells.**
Pei-Li Wu, Cheng Zeng, Ying-Fang Zhou, Ling Yin, Xiao-Lan Yu, Qing Xue, Peking University First Hospital, Beijing, China.
- F-047 Mislocalization of β -Catenin is Causally Linked to Uterine Fibroids Phenotype: Mechanism for Growth and Opportunity for Novel Therapeutics.**
Mohamed Elji, Ayman Al-Jendy, Qiwei Yang, University of Illinois at Chicago, Chicago, IL, United States.
- F-048 Characterization of Gonadal Hormone Regulation in a Novel In Vivo Mouse Model for Human Fibroids.**
Minnie Malik, Joy Britten, William Catherine. USUHS, Bethesda, MD, United States.
- F-049 Fibroids and Breast.**
Daniel Martinez, Fadi Yacoub, Shukla Minaksh, Vanessa Pinard, Cassandra Charles, Ozgul Muneyirci-Delale, SUNY Downstate Medical Center, Brooklyn, NY, United States; Kings County Hospital, Brooklyn, NY, United States; Kings County Hospital Center, Brooklyn, NY, United States.
- F-050 Risk of Hysterectomy at the Time of Myomectomy is Noted to be Higher than Previously Quoted in the Literature- An American College of Surgeons' National Surgical Quality Improvement Program (ACS NSQIP) Database Study.**
MacKenzie Purdy, Tana Kim, Lauren Kendall Raufuss, Katherine A. Bews, Amy E. Glasgow, Elizabeth B. Haberman, Zaraq Khan, Mayo Clinic, Rochester, MN, United States.
- F-051 Alternative Angiogenesis Mechanisms in Uterine Fibroids Related to Heavy Menstrual Bleeding.**
Kavita S Subramaniam, Thomas T Tapmeier, Chen-Yi Wang, Darrah O'Brien, Martin Philpott, Sanjiv Mane, Bernhard Lindenthal, Maik Obendorf, Bianca de Leo, Holger Hess-Stump, Thomas M Zollner, Valentine Macaulay, Benedikt Kessler, Krina T Zondervan, Udo Oppermann, Adrian Harris, Christian M Becker, University of Oxford, Oxford, United Kingdom; Oxford University Hospitals Foundation Trust, Oxford, United Kingdom; Bayer AG, Berlin, Germany.
- F-052 Sphingosine 1-Phosphate (S1P) Pathway in Uterine Fibroids and Adenomyosis.**
Silvia Vannucchi, Chiara Donati, Francesca Centetti, Caterina Bernacchioni, Felice Petraglia, University of Florence, Florence, Italy; University of Siena, Siena, Italy.
- F-053 Characterizing Pelvic Floor Activities in Pregnant Women using Magnetomyography.**
Hari Eswaran, Diana Escalona-Vargas, Sallie Oliphant, University of Arkansas for Medical Sciences, Little Rock, AR, United States.
- F-054 Mannose-Binding Lectin Gene Polymorphism and Chlamydia Trachomatis Antibodies in Brazilian Women with Tubal Occlusion.**
Jose G. Vinagre, Steven S Witkin, Eiko I Fukazawa, Renata Robiel, Edmund C Baracat, Iara M Linhares, Faculdade de Medicina da Universidade de São Paulo, São Paulo, Brazil; Weill Cornell Medicine, New York, NY, United States.
- F-055 Reversibility of Testosterone-Induced Reproductive Changes Following Cessation of Testosterone Therapy in a Transgender Mouse Model.**
Hadihan M Kinneart, Elizabeth S Constance, Anu David, Gillian Rubenstein, Erica E Marsh, Vasantha Padmanabhan, Ariella Shikanov, Molly B Moravsek, University of Michigan, Ann Arbor, MI, United States.

Friday, March 15, 2019 - Poster Session II - Hall Maillot

CLINICAL PERINATOLOGY

- F-056 Sonographic Estimation of Fetal Weight in Obese Women at Term.**
Lisa M Carroll,¹ Robert Johnston,¹ Bradley Bossett,¹ Judith Chung,¹ Kenneth Chan,² ¹University of California - Irvine, School of Medicine, Orange, CA, United States; ²MemorialCare Miller Children's & Women's Hospital, Long Beach, CA, United States.
- F-057 The Utility of Umbilical Artery Pulsatility Index (UAPI) in Predicting Adverse Pregnancy Outcomes in Pregnancies Complicated by Preterm Premature Rupture of Fetal Membranes (PPROM).**
Ahizechukwu C Eket,¹ Ernest Graham,² Nada Elsayed,² Na Shin,² Theresa Boyer,² Irina Burd,³ ¹Division of Maternal Fetal Medicine & Clinical Pharmacology, Johns Hopkins University School of Medicine, Baltimore, MD, United States; ²Johns Hopkins University School of Medicine, Baltimore, MD, United States; ³Division of Maternal Fetal Medicine, Johns Hopkins University School of Medicine, Baltimore, MD, United States.
- F-058 Decision to Incision and Risk for Acidemia, Low Apgars, and Hypoxic Ischemic Encephalopathy.**
Sabine Bousleiman, Cynthia Gyamfi-Bannerman, Zaina Siddiq, Dena Goffman, Jean-Ju Sheen, Jason Wright, Mary D'Alton, Alexander Friedman, Columbia University, New York City, NY, United States.
- F-059 Thromboelastography (TEG) Reference Ranges in the Third Trimester of Pregnancy.**
Manuel E Rivera-Alsina,¹ Tiffany Hongt,² Jacob Garcia,² Gabrielle C Rivera,² Christine C Rivera,² Priyanka Acharya,² ¹Methodist Health System Dallas, Coppell, TX, United States; ²Methodist Health System Dallas, Dallas, TX, United States.
- F-060 Proteomic Profile of Maternal Plasma in Women with Intrahepatic Cholestasis of Pregnancy.**
Kareem K Tabsh,¹ Natalie K Barker, Paul Langlais, Meghan Hill, University of Arizona- Tucson, Tucson, AZ, United States.
- F-061 Independent Associations of Multiple Gestation Pregnancies in a Large Suburban Medical Center.**
Ciara S Talbot,¹ Sun K Kim,² Perry S Friedman,² Dotun Ogunyemi,² Beaumont Hospital Royal Oak, Royal Oak, MI, United States.
- F-062 Rates of Echocardiographic Findings in Monochorionic Twins with Fluid Discordance Compared to Twin-Twin Transfusion Syndrome.**
Kathryn Adkins,¹ Megan Laguerre, Claire Levek, Kaci Pickett, Bettina F Cuneo, Lisa W Howley, Michael V Zaretsky,² University of Colorado School of Medicine, Aurora, CO, United States.
- F-063 The Effects of Maternal Obesity and Plurality on Umbilical Cord Serum Magnesium Level in Preterm Birth at 24-32 Weeks of Gestation.**
Yun Sun Choi, Chae Jungsoo, Seo Mi Rang, Kim Yoo Min, Choi Suk-Joo, Oh Soo-young, Roh Cheong-Rae, Kim Jong-Hwa, Samsung Medical Center, Seoul, Korea, Republic of.
- F-064 Placental Histopathology and Prediction of Recurrent Preterm Birth.**
Annie Dude, Xiang Feng, Moen Son, Northwestern University, Chicago, IL, United States.
- F-065 Distinct Cervicovaginal Space Microbiota are Associated with Spontaneous Preterm Birth (SPTB) Women at High-Risk for Prematurity.**
R Dharma, A V Glover, L Chi, K Lu, T A Manuck,¹ UNC-Chapel Hill, Chapel Hill, NC, United States.

- F-066 Duration of Fetal Exposure to General Endotracheal Anesthesia at Cesarean Delivery and Perinatal Outcomes.**
Kate Swanson,¹ Luzhou Liang,² William A Grobman,² Nicole Higgins,² Moen Son,² ¹University of California, San Francisco, San Francisco, CA, United States; ²Northwestern University, Feinberg School of Medicine, Chicago, IL, United States.
- F-067 Hemoglobin Levels Explain Unreliability of Hemoglobin A1c in Pregnancy.**
Paula K Edelson, Kaitlyn E James, Aaron Leong, Melody Cayford, Juliana Arenas, Sarah N Bernstein, Jessica S Tangren, David M Nathan, Camille E Powe,¹ Massachusetts General Hospital, Boston, MA, United States.
- F-068 Threshold for Initiation of Medical Treatment for Women with Gestational Diabetes.**
Rachel Harrison,¹ Ashley R Wong, Erin E Isaacson, Anna Palatnik,² Medical College of Wisconsin, Milwaukee, WI, United States.
- F-069 Longitudinal Analysis of Relationships between Individual Fatty Acids and Gestational Diabetes Mellitus in Maternity Log Study.**
Satsuki Kumatan,¹ Ochi Daisuke,¹ Yamauchi Takafumi,¹ Tsunemoto Yoshiaki,¹ Wagata Maiko,^{2,3} Tanabe Osamu,^{4,2} Minegishi Naoko,² Hiya Satoishi,¹ Nagasaki Masao,² Sugawara Junichi,^{2,3} Maternity Log Study Group, ¹NTT DOCOMO, INC., Yokosuka, Kanagawa, Japan; ²Tohoku University Graduate School of Medicine, Sendai, Miyagi, Japan; ³Sendai, Miyagi, Japan; ⁴Radiation Effects Research Foundation, Hiroshima, Hiroshima, Japan.
- F-070 Weight Gain in Twin Pregnancies: At What Point in Pregnancy Does It Matter Most?**
Lilly Y Li,¹ Kelly B Zafman,² Nathan S Fox,² ¹Cahn School of Medicine at Mount Sinai, New York, NY, United States; ²Cahn School of Medicine at Mount Sinai; Maternal Fetal Medicine Associates, PLLC, New York, NY, United States.
- F-071 Early Gestational Diabetes - Where Should Our Focus Be?**
Kathy C Matthews,¹ Rohini Kopparram,¹ Rana Khan,¹ Shari E Gelber,² ¹New York Presbyterian Well Cornell, New York, NY, United States; ²Maternal Fetal Medicine Associates, New York, NY, United States.
- F-072 Fetal Sex is Associated with Early Postpartum Glucose Intolerance in Women with Gestational Diabetes.**
Hiroshi Yamashita,¹ Yasuhiro Ichiro,¹ Maeda Kazuhisa,² Nomiyama Makoto,³ Mizuno Tomoya,⁴ Tada Katsuhiko,⁵ Yoroze Moe,⁶ Kodama Takashi,⁶ Ogawa Masanobu,⁷ Okura Naofumi,⁸ Kawakami Kosuke,⁸ Yamaguchi Ken,⁹ Maekawa Yuka,¹⁰ Hayashi Kimikazu,¹¹ ¹Nagasaki Medical Center, Omura, Japan; ²Shikoku Medical Center for Children and Adults, Zentsu-City Kagawa, Japan; ³Saga Hospital, Saga, Japan; ⁴Kure Medical Center, Kure, Japan; ⁵Okayama Medical Center, Okayama, Japan; ⁶Higashihiroshima Medical Center, Higashihiroshima, Japan; ⁷Kyusyu Medical Center, Fukuoka, Japan; ⁸Kokura Medical Center, Kitakyusyu, Japan; ⁹Kyoto Medical Center, Kyoto, Japan; ¹⁰Mie Chuo Medical Center, Tsu, Japan; ¹¹Kannon Medical Center, Shimonoeki, Japan.
- F-073 Training Obstetric Providers in Resuscitative Endovascular Balloon Occlusion of the Aorta in Patients with Placenta Percreta.**
Michael A Belford,¹ Karin Fox,¹ Alireza A Shamsheer,¹ Stephanie Gordy,¹ Laura J Moore,² Alex Chau,¹ Kamlesh Kukreja,¹ ¹Baylor College of Medicine, Houston, TX, United States; ²University of Texas McGovern School of Medicine, Houston, TX, United States.

Friday, March 15, 2019 - Poster Session II - Hall Maillot

- F-074** **Significantly Decreasing the Cesarean Delivery Rate through an Educational Intervention.**
Brian A. Crosland¹, Megan Oakes¹, Kenneth Chan²
¹University of California Irvine, Orange, CA, United States; ²Miller Children's and Women's Hospital/Long Beach Memorial Medical Center, Long Beach, CA, United States.
- F-075** **Preeclampsia with Severe Features: Is Increasing Diagnosis Associated with Decreased Risk?**
Jessica Spiegelman, Yongmei Huang, Mary D'Alton, Jason Wright, Dena Goffman, Alexander Friedman
Columbia University, New York City, NY, United States.
- F-076** **Are Risk for Severe Preeclampsia with Severe Features Truly Increasing?**
Jessica Spiegelman, Yongmei Huang, Dena Goffman, Mary D'Alton, Jason Wright, Alexander Friedman
Columbia University, New York City, NY, United States.
- F-077** **Association between Hyperemesis Gravidarum and Ischemic Placental Diseases in Subsequent Pregnancies: Race/Ethnicity Disparities.**
Darios Getahun^{1,2}, Michael J. Fassett³, Deborah A. Wing⁴, Morgan R. Peltier⁵, Kaiser Permanente Southern California, Pasadena, CA, United States; ²Rutgers-Robert Wood Johnson Medical School, New Brunswick, NJ, United States; ³Kaiser Permanente West Los Angeles Medical Center, Los Angeles, CA, United States; ⁴University of California, Irvine, CA, United States; ⁵Winthrop University, Mineola, NY, United States.
- F-078** **Intrapartum Fetal Heart Rate Patterns and Perinatal Outcome in Cases of Intraamniotic Infection (≥ 34 Weeks).**
Yuki Kodama¹, Masanao Ohhashi², Junsuke Muraoka³, Toshiyuki Uchida⁴, Yasuyuki Fujita⁴, Keiya Fujimori⁴, Hiroshi Sameshima¹
¹University of Miyazaki, Miyazaki, Japan; ²Miyazaki Association Hospital, Miyazaki, Japan; ³Hamamatsu University School of Medicine, Hamamatsu, Japan; ⁴Kyusyu University, Fukuoka, Japan; ⁵Fukushima Medical University, Fukushima, Japan.
- F-079** **The Effect of Parenteral Magnesium Sulfate on the Rate of Postpartum Hemorrhage.**
Sereen Nashif¹, Jean Ricci Goodman², Priya Patel¹, Angie Tsuei¹, Sourabh Sharma¹, Lindsey Malament¹, Rebecca Bogue¹, Callie Hurr¹, Mary Lynn¹
Loyola University Medical Center, Maywood, IL, United States.
- F-080** **A Study of Post Partum Hemorrhage Risk Factors Using Artificial Neural Networks.**
Gabriella Schivardi¹, Barbara Grijuela¹, Gian Marco Podda¹, Marco Cattaneo¹, Enzo Grossi², Anna Maria Marconi¹
¹University of Milano, Milano, Italy; ²Villa Santa Maria Foundation, Tavernerio, Italy.
- F-081** **A Retrospective Study of Recurrent Rate of Preterm Birth in Japan.**
Rie Seyama¹, Shintaro Makino², Jun Takeda³, Toshihumi Suzuki⁴, Yojiro Maruyama⁵, Atsuo Itakura⁶
Jutendo University Faculty of Medicine, Tokyo, Japan.
- F-082** **Relationship between Maternal Age and Labor Induction Outcomes.**
Elizabeth N. Teat¹, Adam K. Lewkowicz², Carol Trant¹, Sarah Koser¹, Stephanie Gaw¹
¹University of California, San Francisco, San Francisco, CA, United States; ²Washington University School of Medicine in St. Louis, St. Louis, MO, United States.

- F-083** **Non-Invasive Diagnosis of CMV Infection with Fetal Central Nervous System Derived Exosomes.**
Laura Goetzl¹, Yifat Eldor-Yedidia¹, Miriam Hillel², Nune Darbinian³, Nana Merabova³, Arianna Valeri³, Yehiel Schlesinger²
¹University of Texas, Health Sciences Center at Houston, Houston, TX, United States; ²Shaare Zedek Medical Center, Jerusalem, Israel; ³Temple University School of Medicine, Philadelphia, PA, United States.

DEVELOPMENTAL PROGRAMMING

- F-084** **Gestational Programming of Type 2 Diabetes: Does Methylation Play a Role?**
Chellakkian S. Blessen, Sangeetha Mahadevan, Daren Tanchico, Meena Balakrishnan, Ronald A. Harris, Chandra Yallampalli
Baylor College of Medicine, Houston, TX, United States.
- F-085** **Maternal Obesity (MO) Programs Offspring (F1) Visceral Adipose Tissue(VAT) Adipocyte Size (AS) and Gene Expression in a Sex-Dependent Manner.**
Carlos A. Ibañez-Chavez¹, Consuelo Lomas-Soria^{1,2}, Eyerah Bravo Flores¹, Mario Solís¹, Guadalupe Estrada Gutierrez¹, Peter W. Nathanielsz¹, Elena Zambrano¹
¹Instituto Nacional de Ciencias Médicas y Nutrición SZ, Mexico, Mexico; ²CONACyT, Biología de la Reproducción, Instituto Nacional de Ciencias Médicas y Nutrición SZ, Mexico, Mexico; ³Instituto Nacional de Perinatología Isidro Espinosa de los Reyes, Mexico, Mexico; ⁴University of Wyoming, Laramie, WY, United States.
- F-086** **Exosomal miRNA Profile in Exosomes Isolated from Adipose Tissue Explants from Normal and Gestational Diabetes Mellitus Pregnancies.**
Nanthini Jayabalani¹, Dominic Guanzont¹, David McIntyre², Martha Lappas², Carlos Salomon^{1,4}
¹Center for Clinical Research, The University of Queensland, Herston, Australia; ²Mater Research Institute-The University of Queensland, Woolloongabba, Australia; ³University of Melbourne, Melbourne, Australia; ⁴University of Concepción, Concepción, Chile.
- F-087** **Maternal Obesity (MO) Programs Sex-Dependent Changes in Offspring (F1) Serum Biogenic Amino Acids (BAA) and Associated Key Hepatic Regulatory Genes that Control BAA Biosynthesis and Metabolism.**
Consuelo Lomas-Soria^{1,2}, Luis A. Reyes-Castro¹, Guadalupe Rodríguez-González¹, Matthias Schwab³, Peter W. Nathanielsz¹, Laura A. Cox¹, Elena Zambrano¹
¹Instituto Nacional de Ciencias Médicas y Nutrición SZ, Mexico, Mexico; ²CONACyT, Biología de la Reproducción, Instituto Nacional de Ciencias Médicas y Nutrición SZ, Mexico, Mexico; ³University of Jena, Jena, Germany; ⁴University of Wyoming, Laramie, WY, United States; ⁵Wake Forest Baptist, Winston-Salem, NC, United States.
- F-088** **Normal Pyruvate Dehydrogenase Activity in Skeletal Muscle of Growth Restricted Ovine Fetuses.**
Alexander L. Pendleton¹, Laurel R. Humphreys¹, Melissa A. Davis¹, Leticia E. Camacho, Miranda J. Anderson, Sean W. Limsand¹
University of Arizona, Tucson, AZ, United States.
- F-089** **Maternal Low Protein Diet during Gestation Programs Offspring Glucose Intolerance in Adulthood Regardless of Postnatal Plane of Nutrition in Female Mice.**
Kathleen A. Pennington¹, Ryan Fleischmann², Chandra Yallampalli¹, Marta L. Fiorotto²
Baylor College of Medicine, Houston, TX, United States; ²USDA/ARS Children's Nutrition Research Center, Houston, TX, United States.

Friday, March 15, 2019 - Poster Session II - Hall Maillot

- F-090 Aldosterone Synthetic Pathway in Adipose Tissue and Programming Effects of Antenatal Glucocorticoids in Sheep.**
Jie Zhang, Angela P. Massmann, Jorge P. Figueroa, Wake Forest SOM, Winston-Salem, NC, United States.
- F-091 Maternal Hypercemia Implicates Endothelial Function in Offspring Born to Preeclampsia.**
Yejin Park,^{1,2} Yun Ji Jung,¹ Hanoli Pi,¹ Ha-Yan Kwon,³ Young-Sun Maeng,¹ Ja-Young Kwon,¹ ¹Division of Maternal-Fetal Medicine, Department of Obstetrics and Gynecology, Institute of Women's Medical Life Science, Placenta-Derived Stem Cell Genomic Research Lab, Yonsei University College of Medicine, Seoul, Korea, Republic of; ²Division of Maternal-Fetal Medicine, Department of Obstetrics and Gynecology, Gangnam Severance Hospital, Yonsei University Health System, Seoul, Korea, Seoul, Korea, Republic of; ³Department of Obstetrics and Gynecology, Dongguk University Ilsan Hospital, Graduate School of Medicine of Dongguk University, Goyang, Korea, Seoul, Korea, Republic of.
- F-092 IUGR Remodels Fetal Cardiac Left Ventricular Mitochondria in Baboons.**
Susana P. Pereira,^{1,2,3} Ludgero C Tavares,^{1,2} Ana I Duarte,¹ Ines Baldeiras,^{1,2} Teresa Cunha-Oliveira,¹ Maria S Santos,¹ Alina Malayan,⁴ Antonio J Moreno,^{2,1} Laura A Cox,⁵ Cun Li,⁶ Peter W Nathanielsz,⁸ Mark J Nijland,³ Paulo J Oliveira,^{1,2} ¹Center for Neuroscience and Cell Biology, Coimbra, Portugal; ²University of Coimbra, Coimbra, Portugal; ³Center for Pregnancy and Newborn Research, San Antonio, TX, United States; ⁴Oregon Health and Science University, Portland, OR, United States; ⁵Texas Biomedical Research Institute, San Antonio, TX, United States; ⁶Wyoming Pregnancy and Life Course Health, Laramie, WY, United States.
- F-093 Transgenerational Impact of Maternal Obesity (MO) in Sheep on Cardiovascular Function in Third Generation Offspring (F3).**
Qiurong Wang,¹ Christopher Pankey,¹ McKenna M Considine,¹ Dallas G Sturdevant,¹ June Boon,² Stephen P Ford,¹ Wei Guo,¹ Peter W Nathanielsz,¹ ¹University of Wyoming, Laramie, WY, United States; ²Colorado State University, Fort Collins, CO, United States.
- F-094 Effect of Maternal Dietary Mismatch in Pregnancy and Lactation on Postnatal Baboon (*Papio* sp.) Early Life Phenotype.**
Cun Li, Susan L Jenkins, Hillary F Hubert,¹ Peter W Nathanielsz,¹ University of Wyoming, Laramie, WY, United States.
- F-095 Association of Glucose and Triglycerides Trajectories through Pregnancy with Birth Weight in a Perinatal Cohort.**
Luz I Omaña-Guzmán,^{1,2} Luis Ortiz-Hernández,¹ Carmen Canchola,² Marie O'Neill,⁴ Felipe Vadillo,² ¹UAIM, Mexico City, Mexico; ²UNAM/INMEGEN, Mexico City, Mexico; ³SEDESA, Mexico City, Mexico; ⁴University of Michigan, Michigan, MI, United States.
- F-096 Maternal Obesity Alters Hippocampal Epigenetic Landscape and Gene Expression in the Fetal Baboon.**
Ashley Martin,¹ Willard M Freeman, Sunam Gurung, Darlene Reuter, Alisha Prenos, James Papin, Dean Myers,¹ University of Oklahoma HSC, Oklahoma City, OK, United States.
- F-097 Antenatal Glucocorticoid Treatment and Epigenetic Outcomes in the Hippocampus and Blood of Juvenile Offspring.**
Aya Sasak,^{1,2} Margaret E Engt,¹ Abigail H Lee,^{1,2} Alice Kostaki,¹ Stephen G Matthews,^{1,2} ¹University of Toronto, Toronto, ON, Canada; ²Mount Sinai Hospital, Toronto, ON, Canada.

- F-098 Prenatal Maternal Stress Differentially Affects Maternal Behavior and Offspring Development in a Two-Hit Model.**
Barbara Verstaeten,^{1,2} Erin Falkenberg,³ Gerlinde Metz,⁴ David Olson,^{1,2} ¹U Alberta, Edmonton, AB, Canada; ²Ghent University, Ghent, Belgium; ³U Lethbridge, Lethbridge, AB, Canada.
- F-099 Determining How In Utero HIV Exposure, with or without Infection, Influences Neurodevelopment in Infants before Age Three: Findings from an Evidence-Based Review of Observational and Experimental Studies.**
Marina White,¹ Kristin L Connor,¹ Carleton University, Ottawa, ON, Canada.
- F-100 Does the Early Nutritional Environment and In Utero HIV Exposure, without Infection, Impact Infant Development?**
Marina White,¹ Eleanor Douffey,¹ Ute D Feucht,² Felicia Molokoane,² Theresa Rossouw,² Kristin L Connor,¹ ¹Carleton U, Ottawa, ON, Canada; ²U Pretoria, Pretoria, South Africa.
- F-101 Fetal Baboon Exposure to Clinical Courses of Synthetic Glucocorticoids (sGC) Does Not Alter F1 Female Reproductive Cycles but is Associated with Slower Growth of F2.**
Hillary F Hubert,¹ Susan L Jenkins,¹ McKenna M Considine,¹ Cun Li,² Peter W Nathanielsz,¹ ¹University of Wyoming, Laramie, WY, United States; ²University of Wyoming, San Antonio, TX, United States.

FETUS

- F-102 Presence of Bacterial RNA in Normal Ovine Fetal and Neonatal Tissues: Method for Improved Sensitivity of Detection of Bacterial Nucleic Acids in Tissue.**
Charles E. Wood,¹ Beau Doerr,¹ University of Florida, Gainesville, FL, United States.
- F-103 Maternal Smoking during Pregnancy and Changes in Prostaglandin Enzymes in the Human Fetus.**
Alkaterini Zafei,¹ Panagiotis Filis,¹ Sophie Shawt,¹ John P Iredale,² Madeleine J Swortwood,³ Rod T Mitchell,⁴ David C Hay,⁴ Peter J O'Shaughnessy,⁵ Paul A Fowler,¹ ¹University of Aberdeen, Aberdeen, United Kingdom; ²University of Bristol, Bristol, United Kingdom; ³Sam Houston State University, Huntsville, TX, United States; ⁴University of Edinburgh, Edinburgh, United Kingdom; ⁵University of Glasgow, Glasgow, United Kingdom.
- F-104 Stillbirth and Fetal Anomalies.**
Shannon L Sont,^{1,2} Michelle P Debbink,^{1,2} Jessica M Page,^{1,2} Karen J Gibbins,^{1,2} Michael W Varner,^{1,2} Robert M Silver,^{1,2} ¹University of Utah Health, Salt Lake City, UT, United States; ²Intermountain Healthcare, Salt Lake City, UT, United States.
- F-105 Could Trisomy 21 Brains be Enhanced?**
Bruce K. Young,¹ Michael Chan,¹ Margaret Dziadosz,² Maryann Perle,¹ Tenzin Lhakhang,¹ ¹New York University SOM, New York, NY, United States; ²St. Barnabas Medical Center, Livingston, NJ, United States.
- F-106 Accuracy of Clinical Suspicion of Growth Restriction at Term Despite a Normal Growth Ultrasound.**
Brittany Green, Lisa Hui, Roxanne Haslie, Stephen Tong, Fiona C Brownfoot,¹ University of Melbourne, Melbourne, Australia.

Friday, March 15, 2019 - Poster Session II - Hall Maillot

- F-107 Can Placental Inositol (PI) Suppress the Pro-Adipogenic Effects of Maternal Glycaemia in the Fetus?**
MT Tint,¹ HF Chang,² G Wong,² A Chu,² D Tull,² B Nijagal,² V Narayana,³ R Lewis,⁴ K Chang,⁵ C Chi,¹ F Yap,² KH Tan,² L Shek,¹ YS Chong,¹ P Gluckman,² YS Lee,¹ M Fortier,² K Godfrey,⁴ J Eriksson,¹ P Meikle,⁶ N Karnani,² SY Chan,¹ ¹National Univ SG, SG, Singapore; ²SG Institute for Clinical Sciences, SG, Singapore; ³Metabolomics AU, Melbourne, Australia; ⁴Univ of Southampton, Soton, United Kingdom; ⁵KK Women's & Children's Hosp, SG, Singapore; ⁶Baker Institute, Melbourne, Australia.
- F-108 Maternal Supraphysiological Dyslipidemia Induces an Increase in Arginases Impairing Feto-Placental Endothelial Function in Pregnancies with Gestational Diabetes Mellitus.**
Susana Contreras- Duarte, Lorena Carvajal, Claudette Cantin, Barbara Fuenzalida, Andrea Leiva. Pontificia Universidad Católica de Chile, Santiago, Chile.
- F-109 Promotion of Glucose Utilization and Production Rates is Independent of Norepinephrine in Intrauterine Growth Restricted Ovine Fetuses.**
Melissa A Davis, Leticia Camacho, Alexander Pendleton, Miranda Anderson, Nathan Steffens, Sean Limesand. University of Arizona, Tucson, AZ, United States.
- F-110 Adrenal Demedullation Lowers Placental Glucose Uptake Resulting in Higher Rates of Fetal Glucose Utilization and Production during Hyperinsulinemia.**
Melissa A Davis, Leticia Camacho, Miranda Anderson, Nathan Steffens, Sean Limesand. University of Arizona, Tucson, AZ, United States.
- F-111 Chronic Hypoxia Potentiates Hepatic Gluconeogenic and Mitochondrial Adaptations Despite Maintained Fetal Oxygen and Nutrient Uptake Rates in Late Gestation Fetal Sheep.**
Amanda Jones[†], Laura Brown,¹ Paul Rozance,¹ William Hay Jr,¹ Sean Limesand,² Stephanie Wesolowski.¹ ¹University of Colorado School of Medicine, Aurora, CO, United States; ²University of Arizona, Tucson, AZ, United States.
- F-112 Correlation of Fetal Doppler Assessments with Neonatal Ponderal Index in Fetal Growth Restriction.**
Jon G Steller[†], Henry L Galan, Diane Gumina, Allison Gillan, Beth Bailey, John C Hobbins, Shane Reeves*. University of Colorado Anschutz Medical Campus, Aurora, CO, United States.
- F-113 Direct Negative Impact on Fetal Cardiac Structure, Function and Gene Expression of Dexamethasone and Betamethasone.**
T. A Garrud[†], W. Tong[†], N. Teulings[†], F. G Conlon[†], S. G Ford[†], Y. Niu,¹ J. B Derks,² L. M Nicholas[†], S. E Ozanne,¹ D. A Giussani*. ¹University of Cambridge, Cambridge, United Kingdom; ²University Medical Centre, Utrecht, Netherlands.
- F-114 Can Dopplers Predict Cardiac Dysfunction in IUGR?**
John C Hobbins,¹ Diane Gumina,¹ Michael Zaretsky,¹ Camille Driver,¹ Gregory DeVore,² ¹University of Colorado, Denver, CO, United States; ²David Geffen School of Medicine, UCLA, Los Angeles, CA, United States.
- F-115 Alterations in Fetal Cardiac Function Following Antenatal Steroid Treatments in a Sheep Model of Pregnancy.**
Yusaku Kumagai,¹ Masatoshi Saito*, Haruo Usuda,¹ Shimpel Watanabe,¹ Shinichi Sato,¹ Takushi Hanita,¹ Gabrielle C. Musku,² Sean Carter,² Nobuo Yaegashi,¹ Alan H. Jbpe*, John P. Newnham*,³ Kemp WJ Matthew*,² ¹Tohoku University, Sendai, Japan; ²University of Western Australia, Perth, Australia; ³Murdoch University, Perth, Australia; ⁴University of Cincinnati, Cincinnati, OK, United States; ⁵University of Western Australia, Perth, Australia.
- F-116 Saltatory Pattern of Fetal Heart Rate is a Sign of Fetal Hypoxia during Labor.**
Mikko Tärjonen,¹ Susanna Sainio*, Esa Hämaläinen,² Sture Andersson*,³ Kari Teramo*,⁴ ¹Helsinki University Hospital, Helsinki, Finland; ²University of Helsinki, Helsinki, Finland; ³University of Helsinki and Helsinki University Hospital, Helsinki, Finland.
- F-117 Lack of Evidence for Increased Activity of the Hypothalamus-Pituitary-Adrenal Axis (HPAA) in Fetuses of Obese Baboon Mothers.**
Cun Li,^{1,2} Dongbin Xie,^{1,2} Peter W Nathanielsz,^{1,2} ¹University of Wyoming, Laramie, WY, United States; ²Texas Pregnancy & Life-Course Health (TPLH) Research Center, San Antonio, TX, United States.
- F-118 Non-infectious Inflammation during Pregnancy is Associated with Fetal Growth Restriction and Altered Neurodevelopment.**
Marie-Eve Briant,^{1,2} Ines Boufaied,² Sylvie Girard,^{1,2} ¹Université de Montréal, Montréal, QC, Canada; ²Ste-Justine Hospital Research Center, Montréal, QC, Canada.
- F-119 Effect of High Level Antenatal Ultrasound Exposure on Neurodevelopmental Outcomes in the Offspring.**
Darios Getahun,^{1,2} Michael J Fassett,¹ Richard Contreras,¹ Morgan R Pelletier*,¹ ¹Kaiser Permanente Southern California, Pasadena, CA, United States; ²Rutgers-Robert Wood Johnson Medical School, New Brunswick, NJ, United States; ³West Los Angeles Kaiser Permanente Southern California Medical Group, Los Angeles, CA, United States; ⁴Winthrop University Hospital, Mineola, NY, United States.
- F-120 Fetal Cortical Inflammation Following Zika Virus (ZIKV) Infection during the 3rd Trimester in the Olive Baboon (*Papio Anubis*).**
Sunam Gurung[†], Darlene Reuter, Ashley Martin, Jamie Dubaut, Alisha Preno, James Papin, Dean Myers*. University of Oklahoma HSC, Oklahoma City, OK, United States.
- F-121 Serotonin Delivery and Metabolism are Affected by High Maternal BMI in the Human Fetus.**
Natasha Walker[†], Panagiotis Filis*, Christian Piff*,² Michelle Bellingham*,² Peter J O'Shaughnessy*,² Paul A Fowler*,¹ ¹University of Aberdeen, Aberdeen, United Kingdom; ²Medical University of Vienna, Vienna, Austria; ³University of Glasgow, Glasgow, United Kingdom.

Friday, March 15, 2019 - Poster Session II - Hall Maillot

GYNCOLOGIC ONCOLOGY

- F-122** **Ovarian Cancer Cell Invasiveness Regulates Their Exosomes Which Induces Oncogenic Potential and Cancer Progression In Vivo.**
*Mona G. Alharbi*¹, Andrew Lai¹, Felipe Zuñiga², Lewis Perrin³, Yaowu He³, John D Hooper³, Carlos Salomon^{1,2} ¹Exosome Biology Laboratory, Centre for Clinical Diagnostics, University of Queensland Centre for Clinical Research, Royal Brisbane and Women's Hospital, The University of Queensland, Brisbane, Australia; ²Department of Clinical Biochemistry and Immunology, Faculty of Pharmacy, University of Concepcion, Concepcion, Chile; ³Mater Research Institute, University of Queensland, Translational Research Institute, Brisbane, Australia.
- F-123** **Chronic Exposure to Unopposed, Pathophysiological Estradiol in Aging Mice Did Not Result in Endometrial Cancer.**
*Aditi A. Joshi*¹, Nigar Sofiyeva, Katie Radford, Farrah L. Saleh, Serena Wong, Clare A Flannery, Yale School of Medicine, New Haven, CT, United States.
- F-124** **MicroRNA Profiles Provide Insight into Mechanism of Action of Anti HPV Monoclonal Antibodies.**
*Linda J. Li*¹, Gina Deiter, Yuka Imamura, Kristin Lambert, Joshua Kesterson, Rebecca Phaeton¹, Penn State Hershey Medical Center, Hershey, PA, United States.
- F-125** **Higher Prevalence of Type 2 Diabetes in Premenopausal Women with Atypical Endometrial Hyperplasia Than Women with Simple Hyperplasia Despite Similar BMI.**
Emily Xiao, Katherine Cooke¹, Erica Dun, Clare Flannery¹, Yale University, New Haven, CT, United States.

MATERNAL HEALTH

- F-126** **Identification of Potential New Biomarkers during Pregnancy Complications.**
Marie-Eve Brien^{1,2}, Ines Boufaied², Nathalie Bernard³, Jean-Claude Forest^{4,5}, Yves Giguère^{1,3}, Sylvie Girard^{1,2} ¹Université de Montréal, Montréal, QC, Canada; ²Ste-Justine Hospital Research Center, Montréal, QC, Canada; ³Centre de recherche du Centre Hospitalier Universitaire de Québec, Québec, QC, Canada; ⁴Université Laval, Québec, QC, Canada.
- F-127** **Preventing the Primary Cesarean in Practice: Evaluating Adherence to ACOG/SFMF Guidelines by Provider Affiliation at a Single Institution.**
*Emma Gilmore*¹, Christina Escobar¹, Yuzuru Anzai¹, Alan Arslan¹, Maria Teresa Benedetto-Anzai¹, Teresa Cheon¹, W. Spencer McClelland¹, New York University, New York, NY, United States.
- F-128** **Timing of Administration of Tranexamic Acid during Cesarean Hysterectomy for Placenta Accreta.**
*Malik A. Kremen*¹, Subhashini Ladella², Loren J Schmidt³ ¹University of Washington, Seattle, WA, United States; ²University of California San Francisco, Fresno, CA, United States; ³Fresno Pacific University, Fresno, CA, United States.
- F-129** **Social Isolation in Rats Affects Pregnancy Outcomes and Stress Markers Profile.**
*Navara A. Lopez*¹, Vaishvi Patel¹, Ashlee Matkin², J. Keiko McCreary², Xin Pang², Erin Falkenberg², Gerlinde A. Metz², David M. Olson¹ ¹University of Alberta, Edmonton, AB, Canada; ²University of Lethbridge, Lethbridge, AB, Canada.

- F-130** **Rethinking Pregnancy Monitoring: Remotely Recording Fetal and Maternal ECG, and Uterine Activity.**
*Simcha Yagel*¹, Sarah Schott¹, Nadav Schwartz², Lorinne Levit-Rosen¹, Steven Warsof¹, Michal Lipschuetz¹, Martin Jakobs³, Jack Rychik⁵, Christof Sohn¹, ¹Hadassah Hospital, Jerusalem, Israel; ²University Hospital, Heidelberg, Germany; ³University of Pennsylvania, Perelman School of Medicine, Philadelphia, PA, United States; ⁴Eastern Virginia Medical School, Norfolk, VA, United States; ⁵The Children's Hospital of Philadelphia, Philadelphia, PA, United States.
- F-131** **Hemodynamic Adaptation to Pregnancy and Placenta-Related Outcome (HAPPO Study): Rationale and Design.**
*Rianne C. Bijl*¹, Jérôme M.J. Cornette, Annemien E. van den Bosch, Sten P. Willemsen, Anton H.J. Koning, Jolien W. Roos-Hesselink, Régine P.M. Steegers-Theunissen, Maria P.H. Kosterv¹, Erasmus MC, Rotterdam, Netherlands.
- F-132** **Lipid Dysfunction and Adrenomedullin Expression in Omental versus Subcutaneous Adipose Tissues in Diabetic Pregnancies.**
Yuanlin Dong, Ancizar Betancourt, Michael Belfort, Chandrasekar Yallampalli, Baylor College of Medicine/ Texas Children's Hospital, Houston, TX, United States.
- F-133** **Timing of Readmissions in the Fourth Trimester.**
*Timothy Wen*¹, Arielle Fein¹, Mark Clapp², Mary D'Alton¹, Alexander Friedman¹ ¹Columbia University, New York City, NY, United States; ²Massachusetts General Hospital, Boston, NY, United States.
- F-134** **Maternal Hemodynamics in Hypertensive Pregnancies with and without Fetal Growth Restriction.**
*Helen Perry*¹, Julia Bindert², Juande Gutierrez¹, Thilaganathan Basky¹, Asma Khalil¹, St George's University of London, London, United Kingdom; ²Medical University of Vienna, Vienna, Austria.
- F-135** **Uterine Progesterone Receptor Distribution during the Ovarian Cycle and at the Maternal-Fetal Interface.**
*Esma Kitiimoglu-Konuk*¹, Maja Okuka, Charles J. Lockwood, Umit A. Kayisli, Ronald R. Magness, University of South Florida, Tampa, FL, United States.
- F-136** **Quantitative Proteomics Using SWATH in Skeletal Muscle and Placenta from Gestational Diabetes Mellitus Reveals Novel Alterations Associated with Glucose Metabolism and Insulin Sensitivity during Pregnancy.**
*Soumyalekshmi S. Nair*¹, Andrew Laif¹, David McIntyre², Martha Lappas^{3,4,5}, Carlos Salomon^{1,6} ¹University of Queensland- Centre for Clinical Research, Brisbane, Australia; ²Mater Research Institute, University of Queensland, Brisbane, Australia; ³Translational Research Institute, Brisbane, Australia; ⁴University of Melbourne, Victoria, Australia; ⁵Mercy Hospital for Women, Victoria, Australia; ⁶University of Concepcion, Concepcion, Chile.
- F-137** **Enhanced Stromal H₂S Production via Selective CBS Upregulation Stimulates Endometrial Angiogenesis during the Proliferative Phase and Pregnancy in Women.**
*Qianrong Qit*¹, Thomas J. Lechuga¹, Nicole A. Nguyen¹, Sassi Samthiyakul¹, Ronald R. Magness², Dongbao Chen¹ ¹University of California, Irvine, Irvine, CA, United States; ²University of South Florida, Tampa, FL, United States.
- F-138** **The Association between Glucose Tolerance Testing in Pregnancy and Subsequent Elevated Blood Pressure and Hypertension as Defined by the New AHA Guidelines.**
*Maged Costantine*¹, Eunice Kennedy Shriver National Institute of Child Health and Human Development, Maternal-Fetal Medicine Units Network, Bethesda, MD, United States.

Friday, March 15, 2019 - Poster Session II - Hall Maillot

- F-139 Identifying a Maternal Biological Signature of Vulnerability to Prenatal Stress.**
Fergus P. McCarthy,¹ James M. Keane,² Ger Clarke,^{3,4} Ali S. Khashan,^{1,5,6} Louise C. Kenny,⁶ John F. Cryan,^{5,7} Ted G. Dinan,^{3,4} Siobhain M. O'Mahony,^{3,7} ¹Irish Centre for Fetal and Neonatal Translational Research (INFANT), Cork University Maternity Hospital, Cork, Ireland; ²Department of Obstetrics and Gynaecology, University College Cork, Cork, Ireland; ³APC Microbiome Ireland, University College Cork, Cork, Ireland; ⁴Department of Psychiatry and Neurobehavioral Science, University College Cork, Cork, Ireland; ⁵School of Public Health, University College Cork, Cork, Ireland; ⁶Department of Women's and Children's Health, Institute of Translational Medicine, University of Liverpool, Liverpool, United Kingdom; ⁷Department of Anatomy and Neuroscience, University College Cork, Cork, Ireland.
- F-140 Characterisation of Vaginal Cytokine Expression During ART: A Cohort Study.**
Shahriar Mowlat,¹ Jingyi Xie,¹ Phillip Bennett,¹ David MacIntyre,¹ Shirin Khanjani,¹ Imperial College London, London, United Kingdom.
- F-141 Single Cell RNA-Sequencing Canvas of Immune Cells during Murine Pregnancy.**
Dorothy K. Sojka, Beatrice Plougastel-Douglas, Prabhakar S. Andhey, Liping Yang, Maxim N. Artymov, Wayne M. Yokoyama. Washington University, St. Louis, MO, United States.
- PLACENTA**
- F-142 Anti-Tumorous Actions of Melatonin in Placental Choriocarcinoma Cells : Implications of UPR Pathway, Autophagy and Apoptosis.**
Josianne Bienvenue-Pariseault,^{1,2,3} Lucas Sagrillo-Fagundes,^{1,2,3} Cathy Vaillancourt,^{1,2,3} ¹INRS - Institut Armand-Frappier, Laval, QC, Canada; ²Center for Interdisciplinary Research on Wellbeing, Health, Society and the Environment (CINBIOSE), Montreal, QC, Canada; ³Réseau Québécois en Reproduction (RQR), Montreal, QC, Canada.
- F-143 Placental Metals and Expression of miRNAs that Target TGF- β Pathway.**
Paige A. Bommarito,¹ Boggess Kim,² Fry C. Rebecca,^{1,2} ¹Gillings School of Global Public Health, Chapel Hill, NC, United States; ²School of Medicine, University of North Carolina at Chapel Hill, Chapel Hill, NC, United States.
- F-144 Reduction of Mitochondrial Function in the Hypoxic Human Placenta: The Importance of Mitochondria Remodelling and Complex II Activity.**
Flavien Delhaest,¹ Christina Godin Vanderboor, Timothy Regnault. UWQ, London, ON, Canada.
- F-145 Unexplained Stillbirths and Stillbirths in Women with Diabetes are Associated with Increased Placental Inflammation and Trophoblast Area.**
Daniel Shingleton,¹ Alan Kerby,² Gauri Batra,¹ Megan Sharpe,² Bernadette Baker,² Rebecca L. Jones,² Alexander E. P. Heazell,² ¹Royal Manchester Children's Hospital, Manchester, United Kingdom; ²University of Manchester, Manchester, United Kingdom.
- F-146 PPAR γ Mediates Human Trophoblast Differentiation by Transcriptional Activation of GCM1 and Indirect Regulation of sFLT.**
Leena Kadamt,¹ Kohan-Ghadir Hamid-Reza,² Dora Baczky,¹ John Kingdom,² Sascha Drewlo,² ¹Wayne State University School of Medicine, Detroit, MI, United States; ²Michigan State University, Grand Rapids, MI, United States; ³University of Toronto, Toronto, ON, Canada, Toronto, ON, Canada.
- F-147 Inhibition of Dynamin Reduces Soluble (Pro)renin Receptor (s(P)RR) Secretion from Human Trophoblasts.**
Kirsty G. Pringle,¹ Prathama Mukherjee,¹ Sajje K. Morosini,¹ Sarah J. Delforce,¹ Jacinta H. Martin,¹ Brett Nixon.¹ University of Newcastle, Newcastle, Australia.
- F-148 Targeted Liposomes for Selective Delivery of Epidermal Growth Factor to the Syncytiotrophoblast. A Novel Therapy for Fetal Growth Restriction?**
Lewis Renshall,¹ Frances Beards, Susan Greenwood, Paul Brownbill, Edward Johnstone, Colin Sibley, John D. Aplin, Lynda Harris.¹ Maternal and Fetal Health Research Centre, University of Manchester, Manchester Academic Health Science Centre, Manchester, United Kingdom.
- F-149 Maternal Obesity Alters the Placental Transcriptome in a Fetal Sex Dependent Manner.**
Fredrick J. Rosario,¹ Jeannie E. Chan,² Theresa L. Powell,¹ Laura Ann Cox,² Thomas Jansson,¹ ¹University of Colorado Anschutz Medical Campus, Aurora, CO, United States; ²Wake Forest School of Medicine, Winston-Salem, NC, United States.
- F-150 Genes Governing Placental Development are Regulated by ARID3A-ARID3B-KDM4C Complex.**
Asghar Ali,¹ Gina C. Nay, Russell V. Anthony, Gerrit J. Bouma, Quinton A. Winger.¹ Colorado State University, Fort Collins, CO, United States.
- F-151 The Interaction between Endovascular Human Trophoblast and Endothelial Cells is Regulated *In Vitro* by Lysophosphatidic Acid.**
Jimena S. Beltramet,¹ Leopoldina Scotti,² Micaela S. Sordelli,¹ Vanesa A. Cafumili,¹ Ana M. Franchi,¹ Fernanda Parborelli,² Maria L. Ribeiro,¹ ¹CEFYBO, CONICET-University of Buenos Aires, Buenos Aires, Argentina; ²IBYME, CONICET, Buenos Aires, Argentina.
- F-152 Hypoxia-Inducible Factor 2 (EPAS1) Decreases Syncytialization in Primary Villous Cytotrophoblasts.**
Arthur Colson, Christophe Depoix, Corinne Hubinont, Frédéric Debiève, Université Catholique de Louvain, Brussels, Belgium.
- F-153 *In Vitro* Culture of Human Primary Cytotrophoblasts as a Model to Study the Effects of Chemotherapy on Placental Function.**
Christophe L. Depoix, Arthur Colson, Mina Mhalem-Gzin, Corinne Hubinont, Frédéric Debiève, Université Catholique de Louvain, Woluwe-Saint-Lambert, Belgium.
- F-154 Cell Culture Passage Number Affects Expression Profile and Behavior of HTR-8/SVneo Trophoblast Cells.**
Sicily E. Garvin,¹ Brian Kilburn, Leena Kadam, D. Randall Arment.¹ Wayne State University, Detroit, MI, United States.
- F-155 The Role of LINC-HELLP Bound Proteins PCBP1, PCBP2 and YBX1 in Extravillous Trophoblast Invasion.**
Danai Georgiadou,¹ Souad Boussata, Gijs Afink,² Marie van Dijk,² Amsterdam University Medical Centers, Amsterdam, Netherlands.
- F-156 Pools of the Calcium-Binding Protein S100P are Specifically Localised to the Plasma Membrane of Trophoblast Cell Lines and Regulate Cellular Motility and Invasion.**
Tara Lancaster,¹ Maral Tabrizi,¹ Thahir Ismail,² Stephane Gross,¹ ¹Aston University, Birmingham, United Kingdom; ²University of Liverpool, Birmingham, United Kingdom.

Friday, March 15, 2019 - Poster Session II - Hall Maillot

- F-157 The Regulation of Trophoblastic Proliferation and Invasion by ACTN4 is Impaired in Early-Onset Preeclampsia.**
Wei Peng¹, Chao Tong¹, Yubin Ding¹, Hongbo Qi¹, Philip Baker², ¹Chongqing Medical University, Chongqing, China; ²University of Leicester, Leicester, China.
- F-158 Development and Characterization of a Three-Dimensional (3D) Spheroid Culture System to Model Placental Extravillous Trophoblast Invasion.**
Michael Wong¹, Sarah Shawkly¹, Mishquatul Wahed¹, O'Lenecia Walker¹, Sandeep Raha¹, McMaster University, Hamilton, ON, Canada.
- F-159 Molecular and Cellular Characterization of Placenta Previa and Accreta.**
Elisa Z Zhang¹, Keyla M. Badillo Rivera¹, Roberta L. Hannibal¹, Kelly McGowan¹, Xiaowei Zhu¹, Gudrun Meinhardt², Martin Knoefler², Juergen Polheimer², Ann Folkins¹, Deirdre J. Lyell¹, Julie C. Baker¹, ¹Stanford University School of Medicine, Palo Alto, CA, United States; ²Medical University of Vienna, Vienna, Austria.
- F-160 Is the Gestational Lipid Profile Associated with the Lipid Profile of Both Mothers and Their Children Later in Life?**
Maria C Adank¹, Laura Benschop¹, Anna M Smak Gregoor¹, Sophie P Van Streun¹, Sarah Schalekamp-Timmermans¹, Vincent WJ Jaddoe¹, Jeanine E Roeters van Lennep¹, Eric AP Steegers¹, Erasmus Medical Center, Rotterdam, Netherlands.
- F-161 Maternal and Fetal Plasma Lipid Concentrations Across the Third Trimester in Normal and IUGR Baboon Pregnancies.**
Stephanie S Chassen¹, Veronique Ferchaud-Roucher², Cun Li^{3,4}, Thomas Jansson¹, Peter W Nathanielsz^{3,4}, Theresa L Powell^{1,5}, ¹Univ of Colorado, Aurora, CO, United States; ²Univ of Nantes, Nantes, France; ³Univ of Wyoming, Laramie, WY, United States; ⁴SW National Primate Research Center, San Antonio, TX, United States.
- F-162 Collagen, Fibrillin, and Elastin Gene Expression in Pregnancies Complicated by Pregnancy Induced Hypertensive Disorders and Spontaneous Preterm Birth.**
Maritza G. Gonzalez¹, Miranda J Anderson¹, Leticia E Camacho¹, Sean W Limesand¹, Meghan G Hill¹, University of Arizona, Tucson, AZ, United States.
- F-163 Prenatal Maternal Immune Activation in the Rat Alters Maternofetal Leucine Transport without Impact on Fetal Growth.**
Hager M Kowash¹, Harry G Potter¹, Reinmar Hager¹, Joanna C Neill¹, Jocelyn D Glazier¹, University of Manchester, Manchester, United Kingdom.
- F-164 Differential Expression of System L Amino Acid Transporter Isoforms in Rat Placenta & Yolk Sac.**
Wejdan Owaydah¹, Nick Ashton¹, Jocelyn Glazier¹, The University of Manchester, Manchester, United Kingdom.
- F-165 Modelling of Antenatal Dexamethasone Regimes in Mice Reveals Adverse Gestational Stage-Dependent Effects on Fetal and Placental Weight, without Variation in Placental Hemodynamics.**
Emma N Pantlind¹, Jessica R Ivy², Adrian Thomson², Carmel M Moran¹, Karen E Chapman¹, Caitlin S Wynwill¹, ¹University of Western Australia, Perth, Australia; ²The Queen's Medical Research Institute, Edinburgh, United Kingdom.
- F-166 Reduced SIRT1 Levels are Evident in 15 Weeks Maternal Serum and in Term Placentas of Pregnancies Complicated by Gestational Diabetes Mellitus.**
Anna P Bonnamy¹, Shree Vijayawathi Senthil Kumar¹, Vishakha Mahajan¹, Hua Zhang², Renae Taylor¹, Lesley McCowan¹, Philip Baker³, ¹The University of Auckland, Auckland, New Zealand; ²Chongqing Medical University, Chongqing, China, New Zealand; ³University of Leicester, Leicester, United Kingdom.
- F-167 Myoinositol (MI) Effects on Human Term Placental Lipid Uptake and Metabolism is Fatty Acid (FA)-Specific.**
CC Watkins¹, MO Islam¹, P Selvam¹, R Pillai¹, A Cazenave-Gassiot¹, A Bendt¹, KM Godfrey², R Lewis², M Wenk³, SY Chan³, ¹National Univ of Singapore, SG, Singapore; ²Univ of Southampton, Southampton, United Kingdom.
- F-168 The Role of Igf2 in Regulating the Endocrine Capacity of the Mouse Placenta.**
Bethany R L Aykroyd¹, Alison J Forhead¹, Amanda N Sferuzzi-Perrin¹, University of Cambridge, Cambridge, United Kingdom.
- F-169 Elevated Maternal Corticosterone Inhibits Placental Thyroid Hormone Synthesis and Dysregulates Wnt Signaling in the Fetal Lung.**
Emmanuel Paul¹, Arianna Smith¹, Ranuka Sinniah¹, Karen Racicot¹, Michigan State University College of Human Medicine, Grand Rapids, MI, United States.
- F-170 Guinea Pig Cytomegalovirus Infection of the Fetal Membranes Induces Immune Signaling Associated with Preterm Birth.**
Craig J Bjerle¹, Dira S Putri¹, Zachary W. Berkebile¹, Claudia Fernandez-Alarcon¹, Juan E. Abrahamte¹, Mark R Schleiss¹, University of Minnesota, Minneapolis, MN, United States.
- F-171 *Ralstonia insidiosa*: Introducing a Member of the Placental Microbiota—Who, What, Where, How?**
Lindsay A Parnell¹, Yin Yin¹, Matthew Wargo², Indira U. Mysorekar¹, ¹Washington University SOM, St. Louis, MO, United States; ²University of Vermont SOM, Burlington, VT, United States.
- F-172 Elevated Numbers of Placental Macrophages in FGR with the Presence of an Altered Placental Inflammatory Profile.**
Megan Sharp¹, Rebecca Jones¹, Susan Greenwood¹, Tracy Russell¹, Alexander Heazell¹, University of Manchester, Manchester, United Kingdom.
- F-173 The Influence of Maternal Obesity on Macrophage Subsets in the Human Decidua.**
Karlijn van Bennekom¹, Anne Laskewitz¹, Tom Kieffer¹, Marijke Faas¹, Torsten Plösch¹, Sico Scherjon¹, Jellema Prins¹, University Medical Center Groningen, Groningen, Netherlands.
- F-174**
- F-175 Exosomes Released from Wharton's Jelly Stem Cells as Potential Remyelination Therapy in Perinatal Brain Injury.**
Marianne S Joerger-Messerli^{1,2}, Valérie Haesler^{1,2}, Gierlin Thomi^{1,2,3}, Maria Luigia Spinelli^{1,2}, Daniel V Surbek^{1,2}, Andreina Schoeberlein^{1,2}, ¹Department of Biomedical Research (DBMR), University of Bern, Bern, Switzerland; ²Department of Obstetrics and Gynecology, Bern University Hospital, Bern, Switzerland; ³Graduate School for Cellular and Biomedical Sciences (GCB), University of Bern, Bern, Switzerland.

WITHDRAWN

Friday, March 15, 2019 - Poster Session II - Hall Maillot

- F-176 Longitudinal Spectral Photoacoustic Imaging of Placental Function.**
Dylan J Lawrence, Megan E Escott, Sultira Intapad, Sarah H Lindsey, Carolyn L Bayer*. Tulane University, New Orleans, LA, United States.
- HYPERTENSION IN PREGNANCY**
- F-177 PLGF and sFLT-1 Predict Preeclampsia and Latency to Delivery in Patients Undergoing Evaluation for Hypertension.**
Rebecca R Adam†, Martinez Carolina†, Park Soojin, Morgan Meads, Brooke Sanders†, Emily Ngant†, Jennifer Tazsar, Aishwarya Vuppala, Ramos Gladys*, Jerasimos Ballas*, Douglas Woelkers*, Hilary Roeder*, Louise Laurent*. UCSD, San Diego, CA, United States.
- F-178 Are Routine Blood Pressures Superior Predictors of Adverse Pregnancy Outcomes?**
Anna Birukov†, Jan S Joergensen*, Julie H Nielsen†, Marianne S Andersen*, Ralf Dechend*, Louise B Andersen†, Charite, Berlin, Germany; *Odense University Hospital, Odense, Denmark; †Herlev Hospital, Copenhagen, Denmark.
- F-179 Microvascular Outcomes of a Pregnancy Complicated by Preeclampsia.**
Logan C Barr†. Queen's University, Kingston, ON, Canada.
- F-180 Urinary Metals, Circulating Angiogenic Biomarkers, and Pre-Eclampsia in the LIFEODEC Birth Cohort: A Single-Contaminant and Mixture-Based Approach.**
Paige Bommarito†, Stephanie S. Kim, John D. Meeker, Rebecca C. Fry*, David E. Cantonwine*, Thomas F. McElrath*, Kelly K. Ferguson*, Gilling School of Global Public Health, Chapel Hill, NC, United States; †National Institute of Environmental Health Sciences, Research Triangle Park, NC, United States; ‡University of Michigan School of Public Health, Ann Arbor, MI, United States; §Brigham and Women's Hospital, Harvard Medical School, Boston, MA, United States.
- F-181 Calcitonin Gene-Related Peptides: Potential Role in Regulating Soluble Fms-Like Tyrosine Kinase-1 and Angiotensin 2 Effects in Vascular Smooth Muscle Cells.**
Madhu Chauhan, Meena Balakrishnan, Ancizar Betancourt, Chandra Yallampalli. Baylor College of Medicine, Houston, TX, United States.
- F-182 Truncating Mutations in the ECT2L and OBSCN Genes Are Associated with Preeclampsia.**
HS Gammill†, R Chettier*, A Brewer*, R Shree*, E Tsigas*, K Ward*. †Univ. of Washington, Seattle, WA, United States; *Taueret Laboratories, Salt Lake City, UT, United States; ‡Preeclampsia Foundation, Melbourne, FL, United States.
- F-183 The Incidence of Hypertensive Disorders of Pregnancy Per Pregnancy and Per Woman: A Population-Based Study.**
Vesna Garovic*, Wendy White*, Mie Saiki*, Santosh Parashuram†, Oscar Garcia Valeniat†, Lisa Vaughan*, Amy Weaver*, Michelle Mielke*. Mayo Clinic, Rochester, MN, United States.
- F-184 Antepartum L-Citrulline Supplementation Improves Long-Term Maternal Vascular Dysfunction in a Preeclampsia-Like Mouse Model.**
Mary Gemmell†, Elizabeth F Suttort†, Judith Brands, Marcia J Galkater, Robert W Powers*. Magee-Womens Research Institute, Pittsburgh, PA, United States.
- F-185 Dichotomy of Hypoxia in Mitochondrial Fission during Placental Development versus Preeclampsia.**
Taylor Gilmore†, Isabella Caniggia*. †Lunenfeld-Tanenbaum Research Institution, Maple, ON, Canada; ‡University of Toronto, Toronto, ON, Canada.
- F-186 Differential Dynamics of the Maternal Immune System in Healthy Pregnancy and Preeclampsia.**
Xiaoyuan Han†, Mohammad S Ghaemi†, Kazuo Ando, Laura Petersont†, Edward A. Gano, Amy S Tsai†, Dyani Gaudilliere, Jakob Einhaus†, Eileen S Tsai, Natalie M Stanley†, Anthony Culos, Athena H Taneida, Ramin Fallahzadeh†, Ronald J Wong, Virginia D Winn, David K Stevenson, Martin S Angst, Nima Aghaeepour, Brice Gaudilliere. Stanford University, Palo Alto, CA, United States.
- F-187 Blood Pressure Profile after Delayed-Onset Postpartum Preeclampsia.**
Alisse Hauspurg†, Emily Redmant†, Carl Hubel, Sarah C. Rogant†, Arun Jayabalan*. University of Pittsburgh, Pittsburgh, PA, United States.
- F-188 Effect of Black Race on Maternal and Neonatal Morbidity among Women with Preeclampsia.**
Conisha M Holloman†, Clifton O Brock†, John Barton*, Jacqueline Parchem*, Baha M Sibai*, PETRA Investigators. †McGovern Medical School at the University of Texas Health Science Center at Houston (UTHealth), Houston, TX, United States; ‡Baptist Health Lexington, Lexington, KY, United States.
- F-189 Elabeta and Fas Serum Concentrations as Biomarkers for Early Onset and Late Onset Preeclampsia.**
Chaur-Dong Hsu*, Roberto Romero*, Adi Tarca*, Bogdan Panaitescu†, Percy Pacora*, Zhong Dong*, Sonia Hassan*, Nardhy Gomez-Lopez*, Wayne State University School of Medicine, Department of OB/GYN, Detroit, MI, United States; †Perinatology Research Branch, NICHD/NIH/DHHS, Detroit, MI, United States.
- F-190 Strong Association between Pre-Eclampsia and Increased Risk of End Stage Kidney Disease: A Swedish Nationwide Cohort Study.**
Ali S Khashan*, Marie Evans*, Marius Kubickas*, Fergus P McCarthy†, Louise C Kenny*, Peter Stenvinkel*, Tony Fitzgerald†, Karolina Kubickiene*, University College Cork, Cork, Ireland; †Karolinska Institutet, Stockholm, Sweden; ‡Karolinska University Hospital, Stockholm, Sweden; §University of Liverpool, Liverpool, United Kingdom.
- F-191 Low-Dose Aspirin Therapy Has Beneficial Effects That Extend to the Placenta.**
Stephanie M Leet†, Daniel T Reep*, S.M. Khorshed Alam*, Marwah Al Dulaimi*, Sonya L. Washington*, Edward H. Springel†, Jerome F. Strauss*, Charles E. Chalfant*, Scott W. Walsh*. †VCU Health System, Richmond, VA, United States; ‡Virginia Commonwealth University School of Medicine, Richmond, VA, United States; §University of South Florida, Tampa, FL, United States.
- F-192 Renal Functional, Morphometric, and Transcriptomic Changes during Pregnancy in a Rat Model of Preeclampsia.**
Eugenia Mata Greenwood, Shannon Bragg, Arlin Blood. Loma Linda University, Loma Linda, CA, United States.
- F-193 Early Pregnancy Procoagulant Phenotype in Women Who Develop Preterm Preeclampsia.**
Kelley C. McLean, Ira Bernstein, Thomas Orfeo, Kathleen Brummel-Ziedins, Maria C Bravo*. University of Vermont, Burlington, VT, United States.

Friday, March 15, 2019 - Poster Session II - Hall Maillot

F-194 miR-200b-5p is Significantly Elevated in Placentas and Plasma of Preeclamptic Patients.

Aline P. Montalbano,¹ Alison C. Wortman, Carole C. Mendelson*,¹ UT Southwestern Medical Center, Dallas, TX, United States.

F-195 Immune Cell Lines Induce Endothelial Dysfunction in Human Umbilical Vein Endothelial Cells (HUVECs).

Aishwarya Rengarajan,¹ Ian Bird, Manish Patankar, Derek Boeldt. University of Wisconsin-Madison, Madison, WI, United States.

F-196 4-Hydroxyglutamate is a Novel Predictor of Preeclampsia.

Ulla Sovio,¹ Nancy McBride,² Angela M Wood,¹ Emma Cook,¹ Francesca Gaccioli,¹ D Stephen Charnock-Jones*,¹ Debbie A Lawlor*,² Gordon CS Smith*,¹ ¹University of Cambridge, Cambridge, United Kingdom; ²University of Bristol, Bristol, United Kingdom.

F-197 Metabolite Biomarkers for Early Prediction of Preeclampsia in Women with Obesity.

Matias C Vieira*,¹ Gregoire Thomas*,^{2,3} Lucilla Poston*,¹ Robin Tuytten*,³ Dharmintra Pasupathy*,¹ King's College London, London, United Kingdom; ²SQU4RE, Lokeren, Belgium; ³Metabonomic Diagnostics, Cork, Ireland.

F-198 Increased Maternal Plasma and Urinary Levels of Neutrophil Gelatinase-Associated Lipocalin (NGAL) and Kidney Injury Molecule-1 (KIM-1) in Women with Preeclampsia.

Yuping Wang*, Yang Gu, Danielle Cooper, John Morgan, Charles McCathran, David Lewis. LSUHSC-Shreveport, Shreveport, LA, United States.

F-199 Preeclampsia Differentially Dysregulates Transcriptomic Profiles and Function in Female and Male Fetal Endothelial Cells.

Chi Zhou,¹ Qin Yan*,² Xin-Wen Cheng*, Ronald R. Magnus*,³ Bird M. Iani*,¹ Jing Zheng*,¹ University of Wisconsin-Madison, Madison, WI, United States; ²Tongji University School of Medicine, Shanghai, China; ³University of South Florida, Tampa, FL, United States.

F-200 Uterine and Placental β_2 Adrenoreceptor (β_2 AR) Distribution during the Ovarian Cycle and Pregnancy.

Esmá Kirmilloglu-Konuk*,¹ Maja Okuka, Charles J Lockwood, Umit A. Kayisli, Ronald R. Magnus*, University of South Florida, Tampa, FL, United States.

F-201 The Protective Effects of Human Umbilical Cord Mesenchymal Stem Cell-Derived Exosomes on Preeclampsia.

Xinwen Chang*,¹ Julei Yao*,¹ Linyan Jia*,¹ Qizhi He*,¹ Jing Zheng*,² Kai Wang*,¹ Shanghai First Maternity and Infant Hospital, Tongji University School of Medicine, Shanghai, China; ²University of Wisconsin-Madison, Madison, WI, United States.

F-202 Placental Growth Factor is Decreased in Human Umbilical Vein Endothelial Cells Exposed to Preeclamptic Sera.

Kewei Zhang*,¹ Peter Smith*,¹ Vincent Lee*,² Indika Alahakoon*,¹ Westmead Institute for Maternal & Fetal Medicine, Westmead Hospital at University of Sydney, Sydney, Australia; ²Westmead Hospital at University of Sydney, Sydney, Australia.

F-203 Leptin-Induced Placental IL-8 and MCP-1 Production in Fetal Macrophages Contributes to the Pathogenesis of Preeclampsia.

Chinedu Nwabubiri*,¹ Zhonghua Tang,² Kellie Larsen,¹ Asli Ozmen,¹ Ozlem Guzeloglu-Kayisli,¹ Frederick Schatz,¹ Seth Guller,² Umit A Kayisli,¹ Charles J Lockwood*,¹ University of South Florida, Morsani College of Medicine, Tampa, FL, United States; ²Yale School of Medicine, New Haven, CT, United States.

F-204 Maternal Programmed Cell Death Protein 1 (PD-1) Levels are Increased in Women with Preeclampsia.

Yuping Wang*, Yang Gu, John Morgan, Danielle Cooper, Claude Lockhard, Claude Lockhard, Charles McCathran, David Lewis. LSUHSC-S, Shreveport, LA, United States.

F-205 Maternal Serum CXCL9 and CXCL10 and the Risk of Preeclampsia and/or Fetal Growth Restriction Associated with Placental Inflammation.

Francesca Gaccioli,¹ Susanne Lager,¹ Ulla Sovio,¹ Neil Sebire,¹ Flora Jessop,¹ Stephen Charnock-Jones,¹ Gordon Smith*,¹ University of Cambridge, Cambridge, United Kingdom; ²University College Hospital, London, United Kingdom.

F-206 Adverse Neonatal Outcomes in Stage 1 and Stage 2 Hypertensive Pregnancies.

Sarah C Rogan*,¹ Samia Lopa,² Elizabeth F Sutton*,² Danielle Sharbaugh,² Janet Catov*,^{1,2} University of Pittsburgh, Pittsburgh, PA, United States; ²Magee-Womens Research Institute, Pittsburgh, PA, United States.

REPRODUCTIVE ENDOCRINOLOGY, INFERTILITY

F-207 Intrauterine Insemination Pregnancy Outcomes: A Single Center Retrospective Study Comparing Fertilite and Infertile Women.

Jessica Ryniec*,¹ Tendai Chiware*,¹ Lucia Brown,¹ Michael DeSarno,¹ Elizabeth McGee,¹ Navid Esfandiari*,^{1,2} University of Vermont Medical Center, Burlington, VT, United States; ²University of Vermont College of Medicine, Burlington, VT, United States; ³DHMC, Lebanon, NH, United States.

F-208 A New Trend in #Doctoring: Physician Perspectives on Social Media Use.

Jacqueline Sehnring*,¹ Anisa Hussain*,¹ Elisabeth Rosent*,¹ Lauren Grimm*,¹ Jody Esguerra*,¹ Ruchi Amin*,² Karine Matevosian*,³ Angelina Beltsos*,¹ Roohi Jeelani*,¹ Vios Fertility Institute, Chicago, IL, United States; ²Wayne State University, Detroit, MI, United States; ³Advocate Christ Medical Center, Chicago, IL, United States.

F-209 Body Mass Index is Not Associated with Donor Oocyte Recipient Success: A Paired Analysis Utilizing Sibling-Oocytes.

Robert Setton*, Alice Chung, Lilli Zimmerman, Steven Spandorfer*, Weill Cornell Medicine, New York, NY, United States.

F-210 Does In Vitro Fertilization (IVF) Insurance Coverage Change Provider Practice?

Jenny S. George*, Micaela J Stevenson, Anca Tilea, Ashley Hesson, Michael Lanham*, James M Dupree*, Molly B Moravek*, University of Michigan, Ann Arbor, MI, United States.

F-211 Association between Serum Estradiol Level on the Day of hCG Administration and Clinical Outcome.

Xin Li, Qing Xue. Peking University First Hospital Beijing, Beijing, China.

F-212 The Probability of Clinical Pregnancy in Recipients of Donor Oocytes is Dependent Upon Donor Oocyte Lot Size.

Anne Martin*, Kevin Richter,¹ Heidi Hayes,² Michael Tucker,² Michael Levy,² Kate Devine,² Alan DeCherney,¹ Micah Hill,¹ Nicole Doyle*,¹ National Institutes of Health, Bethesda, MD, United States; ²Shady Grove Fertility, Rockville, MD, United States; ³California Cryobank, Los Angeles, CA, United States.

Friday, March 15, 2019 - Poster Session II - Hall Maillot

- F-213 A Step Towards the Automation of Intracytoplasmic Sperm Injection (ICSI): Real Time Confirmation of Oocyte Penetration by Electrical Resistance Measurement.**
Amir Mort,¹ Man Zhang,¹ Ecom Esencant,¹ Burcin Simsek,² Xiao-Bing Gao,¹ Emre Seli.¹ ¹Yale School of Medicine, New Haven, CT, United States; ²University of Pittsburgh, Pittsburgh, PA, United States.
- F-214 Impact of Infertility on Quality of Life in Women Seen in a Clinic Serving the Underserved in Phoenix.**
Linda R Nelson,¹ Bindu Patel,¹ Dean Coonrod.² ¹University of Arizona College of Medicine Phoenix, Scottsdale, AZ, United States; ²Maricopa Integrated Health System, Phoenix, AZ, United States; ³University of Arizona College of Medicine Phoenix, Phoenix, AZ, United States.
- F-215 Effects of Pipelle Biopsy on the Endometrium and Subsequent Pregnancy Outcomes.**
Anna P Ponnampalam,¹ Diana Asvlyukyt,¹ Sarah Lensen, Joanna Perry, Cindy Farquhar. The University of Auckland, Auckland, New Zealand.
- F-216 Infertility in Women with Idiopathic Hyperprolactinemia is Associated with Oxidative Stress.**
Larisa Suturina,¹ Alina Atalyan,¹ Lyudmila Lazareva,¹ Leonid Sholokhov,¹ Maria Rashidova,¹ Lyubov Kolesnikova.¹ Scientific Center for Family Health and Human Reproduction, Irkutsk, Russian Federation.
- F-217 Impact of Assisted Reproduction on Maternal Vascular Health in Pregnancy and Postpartum.**
Frauke von Versen-Höyneck,^{1,2} Purnima Narasimhan,² Elf Seda Selamet Tierney,³ Valerie L Baker,² Virginia D. Winn.² ¹Hannover Medical School, Hannover, Germany; ²Stanford University Medical Center, Stanford, CA, United States; ³Lucile Packard Children's Hospital, Stanford, CA, United States.
- F-218 Fetal Programming of Polycystic Ovary Syndrome (PCOS): In Utero Androgen Exposure Alters Murine Prenatal Ovarian Mitochondrial Structure and Function.**
Maya Barsky,¹ Liubin Yang,¹ Pardis Hosseinzadeh,¹ Jay C Dunn,² William E Gibbons,³ Chellakkan S Blessen.¹ ¹Baylor College of Medicine, Houston, TX, United States; ²Agilent Technologies Inc, Boston, MA, United States.
- F-219 Interactions in Metabolic, Inflammatory and Coagulation Markers in Women with Polycystic Ovarian Syndrome Compared to Normal Women.**
Tendal Chiware,¹ Maria Cristina Bravo,² Michael DeSarno,³ Thomas Orfeo,² Carole A McBride,³ Elizabeth McGee,^{1,3} Kathleen Brummel-Ziedins,² Ira Bernstein.^{1,3} ¹University of Vermont Medical Center, Burlington, VT, United States; ²University of Vermont, Burlington, VT, United States; ³University of Vermont College of Medicine, Burlington, VT, United States.
- F-220 Human Mesenchymal Stem Cells Secrete and Inhibits Androgen Production by Human Theca-Like Cells: Implications for Stem Cell Therapy of Polycystic Ovarian Syndrome.**
Abdeljabar El Andaloussi,¹ Nahed Ismail,¹ Natalia Garcia,¹ Jan MacAllister,² Ayman Al-Hendy.¹ ¹UIIC, Chicago, IL, United States; ²Penn State Hershey College of Medicine, Hershey, PA, United States.
- F-221 Maternal Androgen Exposure Alters Gene Expression Profile in the Ovaries of Neonatal Offspring in a Lean Polycystic Ovary Syndrome (PCOS) Mouse Model.**
Pardis Hosseinzadeh,¹ Liubin Yang,¹ Maya Barsky,¹ Chellakkan S. Blessen.¹ Baylor College of Medicine, Houston, TX, United States.
- F-222 The Impact of a Three-Component Lifestyle Intervention on Emotional Well-Being in Women with PCOS.**
Gerianne Jiskoot,¹ Reinier Timman, Annette Berthuis, Alexandra Dietz de Loos, Jan Busschbach, Joop Laven. Erasmus MC, Rotterdam, Netherlands.
- F-223 Effects of High Fat Diet and the Plasticizer Consumption on the Sperm DNA Quality.**
Danae Ortiz,¹ Pablo López de Jesús,² Juan Carlos Flores-Alonso,³ ¹Instituto Mexicano del Seguro Social, Puebla, Mexico; ²Posgrado en Ciencias Biológicas y de la Salud, Universidad Autónoma Metropolitana, Cd. de Mexico, Mexico; ³Centro de Investigación Biomédica de Oriente, Puebla, Mexico.
- F-224 Ovarian Function in Young Girls Undergoing BMT with or without OTC.**
Maggie Dwiggin,¹ Jessica Shim,² Holly Hoefgen,³ Amy Walz,² Veronica Gomez-Lobo.¹ ¹Medstar Georgetown University Hospitals, Washington, DC, United States; ²Lurie Children's Hospital of Chicago, Chicago, IL, United States; ³Washington University, St. Louis, MO, United States.
- WITHDRAWN**
- REPRODUCTIVE BIOLOGY**
- F-226 Glyphosate and Fertility: The Missing Link.**
Charalampos Chatzicharalampous,¹ Zeina A Yahfoufi,¹ Sana N Khan, Robert T Morris, Awoniyi Awonuga, Husam M Abu-Soud.¹ Wayne State University, Detroit, MI, United States.
- F-227 Proteomic Profiling of Human Fallopian Tube Lavages across the Menstrual Cycle Reveals Candidate Proteins for the Optimization of Cleavage-Stage Embryo Culture Media.**
Dennis Fujit,¹ Elizabeth Yohannes,¹ Elaine Por,¹ Laurie Gillette,¹ Richard Burney.¹ Madigan Army Medical Center, Tacoma, WA, United States.
- F-228 Generation of Immortalized Human Endometrial Stromal Cell Lines with Different Endometriosis Risk Genotypes.**
Sarah J Holdsworth-Carson,¹ Jacqueline Donoghue,¹ Eliza Colgrave,¹ Jenny N Fung,¹ Molly Churchill,¹ Martin Healey,¹ Grant Montgomery,² Jane Gilling,³ Peter Rogers.¹ ¹University of Melbourne, Parkville, Australia; ²University of Queensland, Brisbane, Australia; ³University of Otago, Dunedin, New Zealand.
- F-229 The Effects of Blood Storage on Plasma miRNA Expression Profiles.**
Sung Hye Kim,¹ David A MacIntyre, Phillip R Bennett, Vasso Terzidou. Imperial College London, London, United Kingdom.
- F-230 Seasonality and Zika Virus (ZIKV) Impact In Vitro Implantation in a Rhesus Macaque Model.**
L Block,¹ M Aliota, X Wang, T Friedrich, K Mean, M Schotzko, A Wenzel, G Wipez, T Golos, J Kropp Schmidt.¹ University of Wisconsin, Madison, WI, United States.
- F-231 The Role of Myeloperoxidase and Hypochlorous Acid in Oocyte Quality: A Friend or Foe?**
Charalampos Chatzicharalampous,¹ Zeina Yahfoufi,¹ Robert T Morris, Awoniyi Awonuga, Husam M Abu-Soud.¹ Wayne State University, Detroit, MI, United States.

Friday, March 15, 2019 - Poster Session II - Hall Maillot

- F-232** **Sperm Derived from Testicular Sperm Extraction Is Associated with Differences in Time-Lapse Morphokinetics of Resulting Human Embryos.**
Eva van Marrewijk,¹ Jeroen Speksnijder, Godfried van der Heijden, Willem Boellaard, Effronny Chavif, Jeffrey Hoekt, Régine Steegers-Theunissen, Joop Laven, Esther Baart. *Erasmus Medical Center, Rotterdam, Netherlands.*
- F-233** **Progesterone-Induced Differentiation of Endometrial Luminal Epithelium Controls Embryo Invasion.**
Shun Akaeda,¹ Yasushi Hirota,² Tomoko Fujita,³ Yamato Fukui,⁴ Tomoki Tanaka,⁵ Takehiro Hirakawa,⁶ Tomoyuki Fujii,⁷ Yutaka Osuga.⁸ *The University of Tokyo, Tokyo, Japan.*
- F-234** **Serum from Women with Endometriosis Changes the Levels of Cytokines Produced by Stromal and Endothelial Endometrial Cells in a 3D Co-Culture System.**
Caroline Borgato,¹ Aline R. Lorenzon-Ojea,¹ Elaine Cardoso,² Alexandre Borbely,² Eduardo L.A. Motta,³ Paulo Cesar Serafini,⁴ Tatiana Bonetti,⁵ Vanessa Freitas,⁶ Lidia Myung,⁷ Mauricio S. Abrão,⁸ Estela Bevilacqua.¹ *¹Institute of Biomedical Sciences, University of São Paulo, São Paulo, Brazil; ²Federal University of Alagoas, Maceio, Brazil; ³Clinica Huntington, São Paulo, Brazil; ⁴Hospital das Clínicas, Medical School, University of São Paulo, São Paulo, Brazil.*
- F-235** **Anandamide and Cyclooxygenase 2 Regulate Uterine Stromal Fibroblasts Behavior.**
Vanessa A. Cafumali,¹ Jimena S. Beltrami,¹ Micaela S. Sordelli,¹ Ana M. Franchi,¹ Gabriela Meresman,² Maria L. Ribeiro.¹ *¹CEFYBO, CONICET-University of Buenos Aires, Buenos Aires, Argentina; ²IBYME, CONICET, Buenos Aires, Argentina.*
- F-236** **The Effect of Oxytocin and Atosiban on the Inflammatory State and the miRNA Expression Profile of Desidualized Human Endometrial Stromal Cells.**
Maria Gil-Julian,¹ Sung Hye Kim,¹ Camilla West,¹ Aylin Hanyaloglu,¹ Shirin Khanjani,¹ Jan Brosen,² Vasso Terzidou.¹ *¹Imperial College London, London, United Kingdom; ²University of Warwick, Coventry, United Kingdom.*
- F-237** **Role of FOXO1 in Endometrial Decidualization: Implications for Preterm Birth.**
Shu-Wing Ng,¹ Allen C. Ng,² Chungyan Lee,¹ Shu-Kay Ng,³ William R. Welch,⁴ Felice Arcuti,⁵ Paolo Toti,⁶ Enrol R. Norwitz.¹ *¹Tufts Medical Center, Boston, MA, United States; ²Griffith University, Nathan, Australia; ³Brigham and Women's Hospital, Boston, MA, United States; ⁴University of Siena, Siena, Italy.*
- F-238** **Optimization and Preliminary Evaluation of Autologous Human Platelet Lysate Production as a Novel Treatment for Recurrent Implantation Failure (RIF).**
Tina Tu-Thu Ngoc Nguyen,^{1,2} Mitchell MacDougall,^{1,2} Stewart J. Russell,² Clifford L. Lubach,^{2,3,4} *¹University of Toronto, Toronto, ON, Canada; ²CREATe Fertility Centre, Toronto, ON, Canada; ³Women's College Hospital, Toronto, ON, Canada.*
- F-239** **G-CSF Treatment Increases Treg Peripheral Blood Levels in Women with Recurrent Miscarriage.**
Fabio Scarpellini,¹ Marco Sbracia,¹ Georgi Stamenov Georgi,² *¹CERM, Rome, Italy; ²Nadezhda Women's Health Hospital, Sofia, Bulgaria.*
- F-240** **Functional Role of Estrogen Receptor Alpha in Progesterone Response in Human Endometrial Stromal Cells.**
Bahar D. Yilmaz,¹ Kaoru Miyazaki, Christia Angela M. Sison, Amanda Kohlmeier, Serdar E. Bulun.¹ *Northwestern University, Chicago, IL, United States.*
- F-241** **Possible Endometrial Angiogenic Role of MFGE8 and Its Ability to Predict Implantation Failure in IVF.**
Liang Yu,¹ Tamar Alkon,² Sergio Oehninger,³ Silvina Bocca,⁴ *¹Jones Institute, Eastern Virginia Medical School, Norfolk, VA, United States; ²RMA NY Mexico, Mexico City, Mexico.*
- F-242** **Prolonged Reproductive Lifespan in a Mouse Model Expressing Re-Routed FSH.**
Sara Babcock Gilbert,¹ T. Raj Kumar.¹ *University of Colorado Anschutz Medical Campus, Aurora, CO, United States.*
- F-243** **Implications of Telomere Biology in Female Reproductive Aging Using the SAMP8 Mouse Model.**
Irene Sánchez-de-Puerta,^{1,2} María del Tránsito González-García,¹ Elisa Varela,^{1,2} Juan Antonio García-Velasco.^{1,2} *¹IVIRMA, Madrid, Spain; ²URJC, Madrid, Spain.*
- F-244** **Rescue of Long-Term Ovarian Function, Fertility, and Fecundity in a Murine Model of Galactosemia by Blocking Endoplasmic Reticulum Stress.**
Bijina Balakrishnan,¹ Evelyn Llerena Carif,² Anwer M. Siddiqi,³ Elise Bales,⁴ Kent Lai,⁵ Joshua Johnson.² *¹University of Utah SOM, Salt Lake City, UT, United States; ²University of Colorado School of Medicine (AMC), Aurora, CO, United States; ³University of Florida SOM, Gainesville, FL, United States.*
- F-245** **MicroRNA Expression Profile of In Vitro Matured Marmoset Oocytes.**
Seung-Yup Ku,¹ Yoon Young Kim,¹ Hoon Kim,¹ Yong Jin Kim,² Lee Sang Hoon,² Byeong-Cheol Kang.³ *¹Seoul National University Hospital, Seoul, Korea, Republic of; ²Korea University Medical Center, Seoul, Korea, Republic of; ³Seoul National University College of Medicine, Seoul, Korea, Republic of.*
- F-246** **Development of a Human Granulosa Cell Model to Probe the Role of Hippo Pathway Signaling in Primordial Follicle Activation.**
Jacqueline Mahert,¹ Paul Driggers,¹ Ophelia Yint,² James Segars.¹ *¹Johns Hopkins University School of Medicine, Baltimore, MD, United States; ²University of California, Los Angeles, Los Angeles, CA, United States.*
- F-247** **Prednisolone Treatment in Early Pregnancy Disrupts Maternal Immune Adaptation and Alters Pregnancy Outcomes in Mice.**
Tom E.C. Kieffert,¹ Peck Yin Chin,² Ella S. Green,² Lachlan M. Moldenhauer,² Jelmor R. Prins,³ Sarah A. Robertson.² *¹University Medical Center Groningen, Groningen, Netherlands; ²Robinson Research Institute, Adelaide, Australia.*
- F-248** **Regulatory T Cell Dysfunction May Contribute to Pregnancy Loss.**
Emma L. Lewis,¹ Guillermo O. Barila, Paige M. Porretti, Michael A. Elovitz.¹ *University of Pennsylvania, Philadelphia, PA, United States.*
- F-249** **IL-33/ST2 Localization and Expression in a Pregnant Mouse Model.**
Barry E. Perlman,¹ Salma Begum, Tracy Wu, Aimee M. Beaulieu, Sara S. Morelli, Natak C. Douglas. *Rutgers-New Jersey Medical School, Newark, NJ, United States.*
- F-250** **Altered Memory T Cell Proportions in Follicular Fluid Associated to Pregnancy Success in IVF Treatment.**
Jelmor R. Prins,¹ Lotte M. Marissen,² Tom E. Kieffert,³ Sico A. Scherjon,⁴ Hoek Anemiek,⁵ Astrid E. Cantineau.⁵ *¹University Medical Center Groningen, Groningen, Netherlands.*

Friday, March 15, 2019 - Poster Session II - Hall Maillot

- F-251** **The Immune Modulatory Effects of Both Progesterone and a Combination of Progesterone and Aminophylline on the Maternal Immune System.**
Gavin R. Scurragan¹, Nishel M. Shah, Natasha Singh, Mark R. Johnson. *Imperial College London, London, United Kingdom.*
- F-252** **Altered Tolerogenic Phenotype of Endometrial CD4T and T Regulatory Cells (Treg) in Recurrent Pregnancy Loss (RPL).**
Jen Southcombe, Gurmeher Chadha, Timothy Child, Ginny Mounce, Ingrid Granne. *University of Oxford, Oxford, United Kingdom.*
- F-253** **Soluble Factors in the Murine Placenta Regulate Gene Expression in Alternatively-Activated Macrophages.**
Hui Zhao¹, Flora Kalish, Ronald J. Wong², David K. Stevenson³. *Stanford University School of Medicine, Stanford, CA, United States.*
- F-254** **Quantification and Clonogenicity of Stem/Progenitor Cells in Menstrual Blood from Normal Healthy Women.**
Caroline E. Gargett^{1,2}, Sophie Suke^{1,2}, Caitlin Filby^{1,2}, Gemma Evans¹. *Hudson Institute of Medical Research, Clayton, Australia; ¹Monash University, Clayton, Australia.*
- F-255** **Pre-Conception Sitagliptin Increases Endometrial Clonogenicity in Women with Recurrent Pregnancy Loss. A Double Blind Randomised Placebo Controlled Trial.**
Shreeya Tewari¹, Emma Lucas¹, Lauren Ewington¹, Angela Polanco², Peter Kimani¹, Jan Broens¹, Siobhan Quenby¹. *¹Warwick Medical School, Coventry, United Kingdom; ²University Hospital Coventry and Warwickshire, Coventry, United Kingdom.*
- F-256** **Human Platelet-Rich Plasma from Patients with Uterine Pathologies Contributes to Endometrial Regeneration: A Current Therapeutic Approach?**
Lucia de Miguel-Gómez¹, Amparo Faus¹, Sara López-Martínez¹, Nuria López-Pérez¹, Gemma Castillón², Antonio Pellicer^{3,4}, Irene Cervelló¹. *¹Fundación Instituto Valenciano de Infertilidad (FIV), Valencia, Spain; ²IVI-RMA Barcelona, Barcelona, Spain; ³IVI-RMA Valencia, Valencia, Spain; ⁴Reproductive Medicine Research Group, IIS La Fe, Valencia, Spain.*
- F-257** **Treatment of Asherman Syndrome with Adipose Derived Mesenchymal Stem Cells.**
Masoumeh Majidi Zolbini¹, Ramanaiah Mamillapalli, Gulcin Sahin Ersoy, Hugh S. Taylor². *Yale School of Medicine, New Haven, CT, United States.*
- F-260** **Variation in Preconception Body Mass Index in Predicting Future Gestational Weight Gain.**
Darios Gelatun^{1,2}, Deborah R. Young¹, Corinna Koebeck¹, Michael J. Fassett¹, Fagen Xie¹. *¹Kaiser Permanente Southern California, Pasadena, CA, United States; ²Rutgers-Robert Wood Johnson Medical School, New Brunswick, NJ, United States; ³West Los Angeles Kaiser Permanente Southern California Medical Group, Los Angeles, CA, United States.*
- F-261** **Recent Trends in the Antenatal Ultrasound Utilization: A Retrospective Analysis of 10 Years.**
Darios Gelatun^{1,2}, Morgan R. Pelletier³, Deborah A. Wing⁴, Richard Contreras¹, Harpreet S. Takhar¹, Michael J. Fassett¹. *¹Kaiser Permanente Southern California, Pasadena, CA, United States; ²Rutgers-Robert Wood Johnson Medical School, New Brunswick, NJ, United States; ³Winthrop University, Mineola, NY, United States; ⁴University of California, Irvine, Irvine, CA, United States; ⁵West Los Angeles Kaiser Permanente Southern California Medical Group, Los Angeles, CA, United States.*
- F-262** **Impact of Parental Ancestry on Reproductive Success at High Altitude.**
L. Grant¹, R. Soria², C. G. Julian³, E. Vargas², L. G. Moore¹, D. A. Giussani¹, C. E. Aiken¹. *¹University of Cambridge, Cambridge, United Kingdom; ²Instituto Boliviano de Biología de Altura, La Paz, Bolivia, Plurinational State of; ³University of Colorado, Denver, CO, United States.*
- F-263** **Human Decidual Cells are Highly Permissive to ZIKA Virus Infection in a Trimester-Dependent Manner.**
Xiaofang Guo, Umit A. Kayisli, Nihan Semerci, Asli Ozmen, Kellie Larsen, Shahada Akter Urmi, Joseph Huang, Frederick Schatz, Charles Lockwood, Ozlem Guzeloglu-Kayisli¹. *University of South Florida, Morsani College of Medicine, Tampa, FL, United States.*
- F-264** **Abstract Withdrawn**
- F-265** **The Conflicting Roles of Pre-Pregnancy Obesity and Gestational Weight Gain on Placental Inflammation Risk in Preterm Pregnancy.**
Alexander Layden¹, Tony Parks², Janet Catov¹. *¹University of Pittsburgh, Pittsburgh, PA, United States; ²University of Toronto, Toronto, ON, Canada.*
- F-266** **Lifestyle and Health Status of OBGYN Female Residents.**
Aya Mohr Sasson^{1,2}, Yoav Baruch^{1,2}, Alyssa Hochberg^{1,2}, Ola Gutzeit³, Noam Pardo^{1,2}, Shali Mazaki-Tovi^{1,2}, Eyal Sivan^{1,2}. *¹Sheba Medical Center, Tel-Hashomer, Ramat-Gan, Israel; ²Sackler School of Medicine, Tel Aviv University, Tel-Aviv, Israel; ³Lis Maternity and Women's Hospital, Tel Aviv Sourasky Medical Center, Tel-Aviv, Israel; ⁴Helen Schneider Hospital for Women, Rabin Medical Center, Petach-Tikva, Israel; ⁵Department of Obstetrics and Gynecology, Rambam Health Care Campus, Haifa, Israel.*

EPIDEMIOLOGY, POPULATION HEALTH & GLOBAL HEALTH

- F-258** **Paternal Bias: The Impact of Not Accounting for Paternal Factors in Reproductive Epidemiological Studies.**
Andrea Bellavia, Susanna D. Mitro, Russ Hauser, Tamarra James-Todd. *Harvard T.H. Chan School of Public Health, Boston, MA, United States.*
- F-259** **The Introduction of Doppler Ultrasound in Antenatal Care - the Effects on Fetal Death Rates. A Study of All Pregnancies in Norway during 1990-2015.**
Anne Eskild¹, Irene Skau², Jostein Grytten¹. *¹Akershus University Hospital, Lørenskog, Norway; ²University of Oslo, Oslo, Norway.*

Friday, March 15, 2019 - Poster Session II - Hall Maillot

- F-267** **Maternal Periodontal Disease is Associated with High Grade/High Stage Chorioamnionitis. A Cross Sectional Analysis in Northern Tanzania.**
 Alfons Nadal,^{1,2} Jaume Miranda-Rius,^{2,3} Lluís Brunet-Llobet,^{2,4} Vanessa Blanc,⁵ Eduard Lahor-Soler,^{2,3} Nyobasi Gesase,⁶ Rubén León,⁵ Gilead Masenga,⁶ ¹Hospital Clinic, Institut d'Investigacions Biomèdiques August Pi i Sunyer (IDIBAPS), Barcelona, Spain; ²Faculty of Medicine and Health Sciences, Universitat de Barcelona, Barcelona, Spain; ³Institut de Recerca Sant Joan de Déu (IRSJD), Fundació Sant Joan de Déu, Barcelona, Spain; ⁴Hospital Universitari Sant Joan de Déu, Universitat de Barcelona, Barcelona, Spain; ⁵Dentaid Research Center, Barcelona, Spain; ⁶Kilimanjaro Christian Medical Centre, Kilimanjaro Christian University College, Moshi, Tanzania, United Republic of.
- F-268** **In Nepal a Culturally Appropriate Method of Education Regarding Antenatal and Delivery Care was Highly Effective in Changing Behaviour.**
 Binod B Sharma†,¹ Deborah Joanne Loxton*,¹ Henry Murray*,² Giavanna Luise Angeli*,¹ Christopher Oldmeadow*,³ Simon Chiu†,³ Roger Smith*,¹ ¹University of Newcastle Australia, New Lambton, Australia; ²John Hunter Hospital, New Lambton, Australia; ³Hunter Medical Research Institute (HMRI), New Lambton, Australia.
- F-269** **Trends in Utilization of the Emergency Room for Cervicitis: Increased Charges for Emergent Treatment of a Non-Emergent Condition.**
 Nicole D Ulrich†, Emma Giuliani†, Regina Baker, Erica Mahany*, Erica E Marsh*. University of Michigan, Ann Arbor, MI, United States.
- F-270** **Preterm Birth Genome Project (PGP) Phase III: Development of a Bespoke PTB Array, globePTB.**
 Carol A Wang,¹ Blagica Penova-Veselinovic,² Melanie K White,¹ Qi W Ang,² Scott Williams,³ Craig E Pennell*,¹ ¹University of Newcastle, Newcastle, NSW, Australia; ²University of Western Australia, Perth, WA, Australia; ³Case Western Reserve University, Cleveland, OH, United States.

Saturday, March 16, 2019 - Poster Session III - Hall Maillot

8:00 AM - 10:00 AM

Poster Session

BASIC PARTURITION, PREMATURITY

S-001 Safety and Pharmacokinetics of the Oral Prostaglandin F2alpha Receptor Antagonist, OBE022, in Patients with Threatened Spontaneous Preterm Labor.

Andrew Humberstone,¹ Jose Luis Bartha,² Seppo Heinonen,³ Juha Räsänen,⁴ Aydin Tekay,⁵ Michel Brethous,¹ Jean-Pierre Cotteland,¹ Oliver Pohl,¹ Ernest Loumaye,¹ ¹ObsEva SA, Geneva, Switzerland; ²La Paz Hospital, Madrid, Spain; ³Helsinki University Hospital, Helsinki, Finland.

S-002 The Effects of Extra Cellular Matrix Collagen Rigidity on 3-Dimensional Cultures of Fetal Membrane Cells.

Poorna Menon,¹ Lauren Richards,¹ Ramkumar Menon,² ¹Clear Falls High School, League City, TX, United States; ²UTMB, Galveston, TX, United States.

S-003 Interplay of Transcriptional Signaling by Progesterone, Cyclic AMP, and Inflammation in Myometrial Cells.

Zachary Stanfield,¹ Peyvand Amini, Junye Wang,² Lijuan Yi,¹ Huiqing Tan,¹ Mark R Chance, Mehmet Koyuturk, Sam Mesiano,¹ Case Western Reserve University, Cleveland, OH, United States.

S-004 The Role of SLIT2/ROBO1 Signaling in Spontaneous Preterm Birth.

Heli Tiensuu,¹ Minna K. Karjalainen, Antti M Haapalainen, Anu Pasanen, Marja Ojanieni, Mika Rindell, Mikko Hallman,¹ University of Oulu, Oulu, Finland.

S-005 The Role of Fetal-Placental Exosome Signaling in the Initiation of Labor through the Apelin Pathway.

Stacy M Yadava,¹ Nataliya Parobchak, Bingbing Wang, Todd Rosen,² Rutgers Robert Wood Johnson Medical School, New Brunswick, NJ, United States.

S-006 Changed Circulating Levels of Transforming Growth Factor-βs in Spontaneous Preterm Labor.

Junjie Bao,¹ Yong Zou,² Zheng Zheng,¹ Huizhu Zhang,¹ Li Pin,¹ Huiping Hui,¹ Huizhu Liu,¹ ¹Guangzhou Women & Children Medical Center, Guangzhou, China; ²The Third Affiliated Hospital of Sun Yat Sen University, Guangzhou, China.

S-007 Chronic Maternal/Fetal Inflammation Differentially Regulates Eicosanoid Enzyme Gene Expression in Endometrium and Trophoblast.

Fatema B Almuhammad,¹ Yong Q Koh,^{1,2} Hassendri N Peiris,³ Kanchan Vaswani,² Renuka Sekar,^{1,2} Akwasi A Amoako,^{1,2} Sateesh Kumar,^{1,4} Murray D Mitchell,² ¹University of Queensland, Brisbane, Australia; ²Queensland University of Technology, Brisbane, Australia; ³Royal Brisbane & Women's Hospital, Brisbane, Australia; ⁴Mater Research Institute, Brisbane, Australia; ⁵Mater Health Services, Brisbane, Australia.

S-008 Infection/Inflammation-Associated Preterm Delivery within 7-14 Days of Presentation with Symptoms of Preterm Labour: A Bimodal Predictive Model.

Emmanuel Amabebe,¹ Xiaoya He,¹ Robyn Wood,¹ Dilly O Anumba,¹ University of Sheffield, Sheffield, United Kingdom.

S-009 Prognostic Utility of Cervicovaginal Fluid Pro-Inflammatory Cytokines for Risk of Preterm Delivery within Two Weeks of Presentation with Symptoms of Threatened Preterm Labor.

Emmanuel Amabebe,¹ Xiaoya He,¹ Dilly O Anumba,¹ University of Sheffield, Sheffield, United Kingdom.

S-010 P2X7 Receptor Blockade Reverses the Increased Placental Ribosomal Protein S6 Phosphorylation Induced by Intrauterine Inflammation.

Jie Dong,¹ Jun Lei,¹ Ji Yeon Lee,¹ Michael W. McLane,¹ Su Li,¹ Quan Na,¹ Anna Chudnovets,¹ Inna Burd,¹ Johns Hopkins University School of Medicine, Baltimore, MD, United States.

S-011 Exposure to Maternal Inflammation Leads to Differential Changes of Ribosomal Protein S6 Phosphorylation in Placenta and Fetal Brain.

Jie Dong,¹ Jun Lei,¹ Ji Yeon Lee,¹ Michael W. McLane,¹ Su Li,¹ Quan Na,¹ Anna Chudnovets,¹ Inna Burd,¹ Johns Hopkins University School of Medicine, Baltimore, MD, United States.

S-012 The Cervicovaginal Metabolomic Signature is Different among Women with CST IV in the 2nd Trimester Who Ultimately Have a Preterm Birth.

Michal A. Elowitz,¹ Amy G Brown,¹ Jacques Ravel,² ¹University of Pennsylvania, Philadelphia, PA, United States; ²University of Maryland, Baltimore, MD, United States.

S-013 The Subset of Preterm Births with Rejection-Related Biomarkers Identifies Parturients with Accelerated T Regulatory Cell Functional Transition.

Jennifer B. Gilner,¹ Kyle Strickland,¹ Chad Grotgert,¹ R. Phillips Heine,¹ Abigail Hardin,¹ Amy Murtha,² Kent Weinhold,¹ Joanne Kurtzberg,¹ ¹Duke University, Durham, NC, United States; ²University of California San Francisco, San Francisco, NC, United States.

S-014 Characterization of Membrane Vesicles from Group B Streptococcus (GBS) Clinical Isolates.

Cole McCutcheon,¹ Rebecca Flaherty, Maja Magel, Shannon D Manning, Margaret Petroff, Michigan State University, East Lansing, MI, United States.

S-015 Short-Chain Fatty Acids as Novel Therapeutics for Preventing Inflammation-Induced Preterm Birth.

Caitlyn Nguyen-Ngo,¹ Hope Moylett,¹ Ratana Lim, Martha Lappas,¹ The University of Melbourne, Melbourne, Australia.

S-016 Fusobacterium Nucleatum-Induced Placental Inflammation Originates from Maternal Endothelial Cells Which Can Be Suppressed by Omega-3 Fatty Acids.

Jeewon Sol,¹ Xinwen Zhang,² Yang Xiaohua,³ Mara Roxana Rubinstein,¹ De Yu Mao,¹ Jan Kitajewski,¹ Kang Liu,¹ Yiping W Han,¹ ¹Columbia University Medical Center, New York, NY, United States; ²Case Western Reserve University, Cleveland, OH, United States; ³Columbia University Medical Center/University of Illinois-Chicago, Chicago, IL, United States.

S-017 Intrauterine Infection is Associated with a Reduced NFKB Response in Murine Neonatal Developing Brains.

Natalie Sutti,¹ Rajivinder Karda,¹ Juan Antino-Diaz,¹ Suzanne M Buckley,¹ Simon N Waddington,² Donald M Peebles,² ¹King's College London, London, United Kingdom; ²University College London, London, United Kingdom.

S-018 Progesterone Receptor Phosphorylation as a Mechanism for Inflammation-Induced Parturition.

Rachel A Wilson,¹ Peyvand Amini, Jessica Thorpe, Charles Malemod, Sam A. Mesiano,¹ Case Western Reserve University, Cleveland, OH, United States.

S-019 Inflammatory Genes are Regulated by Bromodomain and Extra-Terminal (BET) Epigenetic Reader Proteins in Decidual Stromal Cells.

Sandeep Aigankar,¹ Carolyn Mitchell,¹ Henry Murray,¹ Jonathan Hirst,¹ Tamas Zakar,^{1,2} ¹University of Newcastle, New Lambton Hgts, Australia; ²John Hunter Hospital, New Lambton Hgts, Australia.

Saturday, March 16, 2019 - Poster Session III - Hall Maillot

- S-020 Does Late Initiation of Vaginal Progesterone Treatment in Women with Short Cervix Diagnosed after 24 Weeks of Gestation Reduces the Rate of Preterm Birth? Evidence from a Case Control Study.**
Michal Kirshenbaum, Heli Alexandroni, Dana Avraham, Roni Zemet, Shali Mazaki-Tovi, Yoav Yinnon. Sheba Medical Center, Ramat Gan, Israel.
- S-021 Differential Roles of Prostaglandin EP2 and EP4 Receptors in the Regulation of Cyclooxygenase-2 Expression in Human Amnion Fibroblasts.**
Jiangwen Lu¹, Kang Sun². ¹Center for Reproductive Medicine, Renji Hospital, Shanghai Jiaotong University Medical School, Shanghai, China.
- S-022 Biochemical Investigation of the Laboring Cervix using Raman Spectroscopy.**
Laura E Masson¹, Christine M O'Brien², Jeff Reese³, Kelly A Bennett², J. Michael Newton², Emad A Elsamadicy², Anita Mahadevan-Jansen². ¹Vanderbilt University, Nashville, TN, United States; ²Washington University in St. Louis, St. Louis, MO, United States; ³Vanderbilt University Medical Center, Nashville, TN, United States.
- S-023 GM-CSF, the Critical Intermediate of Inflammation-Induced Fetal Membrane Weakening, Exerts its Effect on the Choriondecidua Rather than the Amnion.**
A Sharma¹, R Moore², D Kumar², B Mercer², J.J. Moore². CWRU - MetroHealth, Cleveland, OH, United States.
- S-024 Comparative Analysis of Efficacy and Outcomes of Cerclage with Surgical Button Modification versus the Standard McDonald Cerclage.**
Roman Starikov¹, Kendra M Gray², Leonard Cedars², Richard Gerkin¹, Rebecca A Ludvig¹. ¹University of Arizona, College of Medicine, Phoenix, AZ, United States; ²Texas Obstetrix Medical Group, Dallas, TX, United States.
- S-025 Altered Expression of Uterine Contraction-Associated Proteins in Preterm Birth Induced by Progesterone Receptor Antagonist in Brp-39 Null Mutant Mice.**
Yu Mi Han¹, Yi Seul Kim², Jung-Sun Kim³. ¹Research Institute of Medical Science, Sungkyunkwan University School of Medicine, Seoul, Korea, Republic of; ²Sungkyunkwan University SAHST, Seoul, Korea, Republic of; ³Sungkyunkwan University School of Medicine, Seoul, Korea, Republic of.
- S-026 Activation of Autophagy in Human Uterine Myometrium during Labor.**
Lele Wang, Huiping Hu, Abraham Nick Morse, Xinjia Han, Junjie Bao, Jingying Yang, Yunshan Chen, Huishu Liu. Guangzhou Women & Children Medical Center, Guangzhou, China.
- S-027 The Pregnant Myometrium is Epigenetically Activated at Labour-Specific Gene Loci Prior to the Onset of Labour in Mice.**
Viriana M Shchuka¹, Huayun Hou¹, Anna Dorogin², Luis E Abatt¹, Lubna Nadeem², Stephen Lye², Michael D Wilson¹, Oksana Shynlova², Jennifer A Mitchell¹. ¹U of Toronto, Toronto, ON, Canada; ²Sinai Health System, Toronto, ON, Canada.
- S-028 Prostaglandin F2 α -Mediated Pro-Inflammatory Signalling in Human Myometrium.**
Lucia Rigosova¹, Sung Hye Kim, Aylin Hanyaloglu, Phillip R Bennett, Vasso Terzidou. Imperial College London, London, United Kingdom.
- S-029 Real-Time Visualisation of the cAMP Signalling Dynamics in Human Primary Myometrial Cells Using Targeted FRET Reporters.**
Alice Varla¹, Andreas Koschinski², Vignesh Jayarajan¹, Mark R Johnson¹, Manuela Zaccolo². ¹Imperial College London, London, United Kingdom; ²University of Oxford, Oxford, United Kingdom.
- S-030 Micro-RNA 203 Regulates Myometrial Smooth Muscle Cell Expression of the Transient Receptor Vanilloid 4 Channel and Contractility.**
Lihua Ying. Stanford University, Stanford, CA, United States.
- S-031 A Molecular and Biophysical Mechanism for Uterine Peristalsis in Non-Pregnant Mice.**
Mingzi Qu¹, Ping Lu¹, Christina Baer¹, Lawrence Lifshitz¹, Fangxiang Shi¹, Ronghua Zhuge¹. ¹University of Massachusetts Medical School, Worcester, MA, United States; ²Nanjing Agricultural University, Nanjing, China.

GYNECOLOGY

- S-032 Mesothelin is Significantly Elevated in the Plasma of Women with Hydrosalpinx.**
Elizabeth H Yohannes, Dennis T Fujit¹, Richard O. Burney². Madigan Army Medical Center, Tacoma, WA, United States.
- S-033 Hygiene Behaviors as a Risk Factor for Hyperemesis Gravidarum.**
Avi Hameroff^{1,2}, Fadi Yacoub¹, Jacqueline S Benayount¹, Cassandra Charlest¹, Mudar Dalloul¹, Ozgul Muneyyirci-Delale¹. ¹SUNY Downstate Medical Center, Brooklyn, NY, United States; ²Penn State College of Medicine, Penn State Milton S. Hershey Medical Center, Hershey, PA, United States.
- S-034 Prospective Validation of a Cilia-Associated Gene Classifier in the Diagnosis of Ectopic Pregnancies.**
Jessica Lentischert, Laurel Gillette, Zachary Colburn, Richard O Burney, Gregory Chow¹. Madigan Army Medical Center, Tacoma, WA, United States.
- S-035 The miRNA Profile of Endometriotic Lesions in Induced Endometriosis Mirrors Spontaneous Disease in the Baboon.**
Gregory W Burnst¹, Niraj R Joshi¹, Kevin M Elias², Asgerally T Fazleabas². ¹Michigan State University, Grand Rapids, MI, United States; ²Dana-Farber Cancer Institute, Harvard Medical School, Boston, MA, United States.
- S-036 Paradoxical Decrease of ER Beta in Treatment-Resistant Endometriosis.**
V Florest¹, T Dang, J Huttler, H Taylor². Yale School of Medicine, New Haven, CT, United States.
- S-037 Increased Expression of YAP1 in Endometriotic Lesions Contributes to Aberrant Cell Proliferation, Fibrosis and EMT Associated with Endometriosis.**
Niraj Joshi¹, Yong Song², Samantha Bond, Erin Vegter, Asgerally Fazleabas. Michigan State University, Grand Rapids, MI, United States.
- S-038 Implications of Macrophage Recruitment and Polarization in Endometriosis Immunopathophysiology.**
Ryan M Markst¹, Jessica E Millert², Chandrakant Tayade². Queen's University, Kingston, ON, Canada.

Saturday, March 16, 2019 - Poster Session III - Hall Maillot

- S-039 Identifying Target Genes for Endometriosis through Integration of Genetic Effects on Transcription and Methylation in Human Endometrium.**
Sally Morlock,¹ Jenny N Fung,¹ Jane E Girling,² Sarah J Holdsworth-Carson,³ Martin Healey,³ Samuel W Lukowski,¹ Brett D McKinnon,¹ Jian Yang,¹ Allan McRae,¹ Peter A.W. Rogers,³ Grant W. Montgomery.¹
¹The University of Queensland, Brisbane, Australia; ²The University of Otago, Dunedin, New Zealand; ³The University of Melbourne, Melbourne, Australia.
- S-040 Patients with Uterine Endometriosis and Hydromyositis: Clinical Features and Surgical Treatment.**
Chao Peng,¹ Wei Li, Qing Xue, Jia-ning Xu, Cheng Zeng, Yan Huang, Han Song, Ye Lu, Kan Gong, Ying-fang Zhou. Peking University First Hospital, Beijing, China.
- S-041 ER-Alpha Levels Predicts Symptoms and Response to Hormonal Treatment in Women with Deep Endometriosis.**
Nicola Fluchino,^{1,2} Ramaniah Mamilapalli,² Jean-Marie Wenger,¹ Laurie Rampey,² Jean-Christophe Tille,¹ Hugh S Taylor.² ¹University Hospital of Geneva, Geneva, Switzerland; ²Yale School of Medicine, New Haven, CT, United States.
- S-042 Effects of a Histone Methyltransferase Inhibitor on Fertility in an Animal Model of Endometriosis.**
Inoxy L Seguinot,¹ Zellea Craig,¹ Angel Isidro,¹ Idhailz Flores,¹ Ponce Health Sciences University, Ponce, Puerto Rico; ²University of Arizona, Tucson, AZ, United States.
- S-043 Widespread Myofascial Dysfunction and Sensitization in Women with Endometriosis-Associated Chronic Pelvic Pain.**
Pamela Stratton,¹ Vy Phan,² Hannah Tandon,² Ninet Sinai,² Jay Shah,² Barbara J Karp.¹ ¹NINDS, NIH, Rockville, MD, United States; ²CC, NIH, Rockville, MD, United States.
- S-044 Characterization of Peritoneal Fluid Derived Microvesicles in Endometriosis.**
Thomas Yeung,^{1,2} Rebecca A Dragovic,¹ Hannah M Nazir,¹ Krina T Zondervan,^{1,3} Thomas T Tapmeier,¹ Christian M Becker.¹ ¹Endometriosis CaRe Centre, University of Oxford, Oxford, United Kingdom; ²Royal Brisbane and Women's Hospital, Herston, Australia; ³Wellcome Centre for Human Genetics, Oxford, United Kingdom.
- S-045 Association of Cardiometabolic Risk Factors with Uterine Leiomyomas.**
Abdelrahman AlAshqar,¹ Winston Chan,² Yong-Fang Kuo,² Mostafa A Borahay,¹ ¹Johns Hopkins School of Medicine, Baltimore, MD, United States; ²University of Texas Medical Branch, Galveston, TX, United States.
- S-046 Phenome-Wide Association Study of Uterine Fibroid Risk Using a Large Clinical Population of White and Black Women.**
Sarah H. Jones, Brian S Mautz,¹ Eric S Torstenson, Jacklyn N Hellwege,¹ Todd L Edwards, Digna R Velez Edwards. Vanderbilt University Medical Center, Nashville, TN, United States.
- S-047 Short-Term Quality of Life after Myomectomy or Hysterectomy for Uterine Fibroids.**
Shannon K. Laughlin-Tommaso,¹ Shuaiqi Zhang,² Laine Thomas,³ Wanda Nicholson,⁴ Erica Marsh,⁵ COMPARE-UF Investigators. ¹Mayo Clinic, Rochester, MN, United States; ²Duke Clinical Research Institute, Durham, NC, United States; ³Duke Clinical Research Center, Durham, NC, United States; ⁴University of North Carolina, Chapel Hill, NC, United States; ⁵University of Michigan, Ann Arbor, MI, United States.
- S-048 Neurotrimin, a Neuronal Cell Adhesion Marker, is Increased in Human Uterine Leiomyoma and Decreased with Ulipristal Acetate.**
Toral P Zakhari,¹ Minnie Malik,² Joy Britten-Webb,² Jasmine Ali,² Terrence D. Lewis,² Justin Pilgrim,¹ William Catherine,² ¹National Institutes of Health, Bethesda, MD, United States; ²Uniformed Services University of the Health Sciences, Bethesda, MD, United States.
- S-049 The Risk Factors for Uterine Leiomyoma.**
Vanessa Pinatti,^{1,2} Daniel Martinez,^{1,2} Shukla Minakshy,¹ Fadi Yacoub,¹ Cassandra Charles,¹ Ozgul Muneirci-Delale,¹ ¹SUNY Downstate Medical Center, Brooklyn, NY, United States; ²Kings County Hospital, Brooklyn, NY, United States.
- S-050 Impact of Induced Menstrual Bleeding on Well-Being in Mice.**
Jens Nagel, Thomas M Zollner, Frank Sacher. Bayer AG, Berlin, Germany.
- S-051 Dexamethasone for Heavy Menstrual Bleeding (HMB): A Response-Adaptive Randomised Controlled Trial (RCT).**
Lucy H R Whitaker,¹ Richard Parker,¹ Anne Douglas,¹ Brian R Walker,² Christopher Weir,¹ Pamela Warner,¹ Hilary O D Critchley.¹ ¹University of Edinburgh, Edinburgh, United Kingdom; ²University of Newcastle, Newcastle, United Kingdom.
- S-052 The Modern Surgical Tactics of Vaginal Hysterectomy.**
Bakhodir Kurbanov. Tashkent Pediatric Medical Institute, Tashkent, Uzbekistan.
- S-053 Influence of Recurrent Vulvovaginal Candidiasis on Quality of Life.**
Eko I Fukazawa,¹ Steven S Steven Sol Witkin,² Renata Robal,¹ João G Vinagre,¹ Edmund C Baracat,¹ Iara M Linhares,¹ ¹Faculdade de Medicina de Universidade de São Paulo, São Paulo, Brazil; ²Weill Cornell Medicine, New York, NY, United States.
- S-054 Evaluating the Functional Classifications of Rare Genetic Variants Found in Transgender Individuals.**
John G Theissen,¹ Megan E Sullivan,¹ Lynn P Chorch,¹ Michael J Friez,² Hyung-Goo Kim,² Lawrence C Layman.¹ ¹Medical College of Georgia at Augusta University, Augusta, GA, United States; ²Greenwood Genetics Center, Greenwood, SC, United States; ³Hamad Bin Khalifa University, Doha, Qatar.

CLINICAL PERINATOLOGY

- S-055 An Evaluation of Practice Patterns for Infectious Work-Up in Obstetric Triage.**
Tracy C Bank,¹ Adina Kern-Goldberger,¹ Sonya Besagari,¹ Cynthia Gyamfi-Bannerman, Leslie Moroz. Columbia University Irving Medical Center, New York, NY, United States.
- S-056 Maternal Hemoglobin Status and Its Relationship to Cord Blood Hemoglobin Levels and Placental Weights.**
Stephane L. Bourque,¹ Matthew Kokotilo, Andrew G Woodman,¹ Su Hwan Kim,² Ferrante S Gragasin, Maria B Ospina. University of Alberta, Edmonton, AB, Canada.
- S-057 The Effect of Maternal Age on Twin Pregnancy Outcomes.**
Raanan Meyer,¹ Raoul Orvieto,^{1,2} Ariel Israel,³ Aya Mohr-Sasson,¹ Yael Timmerman,⁴ Tal Gorodesky,⁴ Shlomo Toussia-Cohen,² Israel Hendler,^{1,2} Michal J. Simchen,^{1,2} Ronit Machtinger.^{1,2} ¹Sheba Medical Center, Ramat-Gan, Israel; ²Tel Aviv University, Tel-Aviv, Israel; ³Clalit Health Services, Jerusalem, Israel; ⁴St George's University of London, London, United Kingdom.

Saturday, March 16, 2019 - Poster Session III - Hall Maillot

- S-058 Sodium Hydrosulfide Treatment Prevents Cardiac Dysfunction in the Chicken Embryo during Hypoxic Development.**
Y. Niar¹, T. A. Garrud¹, S. G. Ford¹, A. Iqbal¹, J. O. Louca¹, Q. Lyut^{1,2}, K. J. Botting¹, J. J. Ma^{1,2}, D. A. Giussani¹, ¹University of Cambridge, Cambridge, United Kingdom; ²The Fourth Military Medical University, Xi'an, China.
- S-059 An Evaluation of Category II Fetal Heart Rate Tracing and Maternal Lactate at Admission for Delivery.**
Melanie Polin[†], Adina Kern-Goldberger[†], Tracy C Bank[†], Cynthia Gyamfi-Bannerman, Leslie Moroz⁺, Columbia University Irving Medical Center, New York, NY, United States.
- S-060 An Evaluation of Neonatal Outcomes in Women with Elevated Lactate at Admission in Labor.**
Melanie Polin[†], Adina Kern-Goldberger[†], Tracy C Bank[†], Cynthia Gyamfi-Bannerman, Leslie Moroz⁺, Columbia University Irving Medical Center, New York, NY, United States.
- S-061 The Intergrowth-21 Formula for Estimated Fetal Weight is More Accurate for Diagnosis of Growth Restriction Compared to Leopold's Maneuver in Obese Women at Term.**
Dana Senderoff[†], Lisa Carroll, Robert Johnston, Chung Judith, Kenneth Chan⁺, University of California Irvine Medical Center, Orange, CA, United States.
- S-062 Fetal Reserve Index Significantly Outperforms Category System Predicting Cord Blood Base Excess and pH.**
Mark J. Evans⁺, Robert D Eden², David W Britt², Shara M Evans², Paula Gallagher², Barry S Schifrin², ¹Fetal Medicine Foundation of America/Mt. Sinai School of Medicine, New York, NY, United States; ²Fetal Medicine Foundation of America, New York, NY, United States.
- S-063 Plasma Exosomics from Maternal Serum Differentiates Women at Highest Risk for Spontaneous Preterm Birth (SPTB).**
A V Glover, Y Lai, R C Fry, K Lu, T A Manuck⁺, UNC-Chapel Hill, Chapel Hill, NC, United States.
- S-064 PIPIN: A Feasibility Trial of Pravastatin for the Prevention of Preterm Birth in Women Trial Methods and Protocol.**
Eleanor MH Whitaker[†], Sonia A Whyte[†], John Norrie[†], Ruth Andrew[†], David Williams[†], Sarah J Stock[†], Jane E Norman⁺, ¹University of Edinburgh, Edinburgh, United Kingdom; ²University College, London, London, United Kingdom.
- S-065 Electromyometrial Imaging of Uterine Electrical Propagation.**
Wenjie Wu[†], Hui Wang[†], Michael Talcott[†], Shengsheng Lai[†], Robert C McKinstry[†], Pamela K Woodard[†], George A Maccone[†], Alan L Schwartz[†], Sarah K England[†], Phillip S Cuculich[†], Alison G Cahill[†], Yong Wang[†], ¹Washington University, Saint Louis, MO, United States; ²Guangdong Food and Drug Vocational College, Guangzhou, China.
- S-066 Fetal Cytokine Levels in Obese and Non-Obese Pregnancies.**
Megumi Akiyama[†], Paula Bennyt[†], Jonathan Rietl[†], Ryan Schlueter[†], Lana Gamrine[†], Dana Towner[†], Helene Bernstein⁺, Men-Jean Lee⁺, ¹University of Hawaii, JABSOM, Honolulu, HI, United States; ²Emory University Hospital Midtown, Atlanta, GA, United States; ³University of Michigan, Ann Arbor, MI, United States; ⁴SUNY Upstate Medical University, Syracuse, NY, United States.
- S-067 Biomarkers of Inflammation in Pregnancy (BIG): Amniotic Fluid and Serum Inflammatory Markers at Time of Cesarean Delivery.**
Ashley E. Benson^{1,2}, Marcela C Smid⁺, Kim A. Bogges⁺, Nestor L. Vora⁺, David A Barrow⁺, Sarah Dotters-Katz⁺, ¹University of Utah Health, Salt Lake City, UT, United States; ²Intermountain Healthcare, Salt Lake City, UT, United States; ³University of North Carolina at Chapel Hill, Chapel Hill, NC, United States; ⁴Duke University, Durham, NC, United States.
- S-068 Excessive Gestational Weight Gain in Women with and without Pregestational Diabetes Mellitus.**
Lena Bragin[†], Marci G Adams, Avisek Datta, Beth A Plunkett⁺, North Shore University HealthSystem, Evanston, IL, United States.
- S-069 Peridelivery A1c and Neonatal Outcomes in Pregnancies Complicated by Diabetes.**
Annie Dude[†], Kallie Drexler², Lynn M. Yee⁺, ¹University of Chicago, Chicago, IL, United States; ²Northwestern University, Chicago, IL, United States.
- S-070 WITHDRAWN**
- S-071 Appropriate Gestational Weight Gain to Prevent Excessive Postpartum Weight Retention in Women with Gestational Diabetes with Normal Prepregnancy Weight.**
Ichiro Yasui[†], Hiroshi Yamashita[†], Makoto Nomiya[†], Kazuhisa Maeda[†], Tomoya Mizunoe[†], Katsuhiko Tada[†], Takashi Kodama[†], Masanobu Ogawa[†], Naofumi Okura[†], Kosuke Kawakami[†], Ken Yamaguchi[†], Yuka Maekawa[†], Kimikazu Hayashi[†], ¹NHO Nagasaki Medical Center, Omura, Japan; ²NHO Saga Hospital, Saga, Japan; ³NHO Shikoku Medical Center for Children and Adults, Zentsu, Japan; ⁴NHO Kure Medical Center, Kure, Japan; ⁵NHO Okayama Medical Center, Okayama, Japan; ⁶NHO Higashihiroshima Medical Center, Higashihiroshima, Japan; ⁷NHO Kyusyu Medical Center, Fukuoka, Japan; ⁸NHO Kokura Medical Center, Kokura, Japan; ⁹NHO Kyoto Medical Center, Kyoto, Japan; ¹⁰NHO Mie Chuo Medical Center, Tsu, Japan; ¹¹NHO Kanmon Medical Center, Shimonoseki, Japan.
- S-072 Neonatal Outcomes Associated with Late Preterm Betamethasone Administration in Women with Pre-Gestational Diabetes.**
Irina R. Cassimatis[†], Ashley N Battarbee[†], Amanda A Allshouse[†], Nevert Badreldin[†], Chelsey M Vranest[†], Ann Oler[†], Marcela C Smid⁺, ¹University of Utah Health, Salt Lake City, UT, United States; ²University of North Carolina School of Medicine, Chapel Hill, NC, United States; ³Northwestern University, Feinberg School of Medicine, Chicago, IL, United States.
- S-073 Influence of Parity on Perinatal Mortality.**
Anuradha Devabhaktuni[†], Rachel Pilliod[†], Aaron Caughey[†], Amy Valent⁺, Oregon Health and Science University, Portland, OR, United States.
- S-074 Maternal Outcomes in Planned and Unplanned Pregnancies in Women with Cardiac Disease.**
Samantha C. Dot[†], Alisha T Tolani[†], Lillian Sie, Anna I Gersen, Christine J Lee, Elizabeth Sherwin, Danielle M Paneli[†], Yasser Y El-Sayed, Abha Khandelwal, Yair J Blumenfeld, Katherine Bianco⁺, Stanford University, Stanford, CA, United States.

Saturday, March 16, 2019 - Poster Session III - Hall Maillot

- S-075 A Multidisciplinary Approach to Care of Pregnant Patients with History of Open Heart Surgery.**
Samantha C. Doti,¹ Christine J. Lee,¹ Lillian Sie,¹ Alisha T. Tolman,¹ Elizabeth Sherwin,¹ Anna I. Gersen,¹ Yasser Y. El-Sayed,¹ Abha Khandelwal,¹ Katherine Bianco,¹ Yair J. Blumenfeld,¹ Stanford University, Stanford, CA, United States.
- S-076 The Cumulative Impact of Maternal, Fetal, and Obstetrical Risk Factors Enhancing Fetal Reserve Index Prediction of Cerebral Palsy and Other Obstetrical Outcomes.**
Mark L. Evans,¹ David W. Britt,² Barry S. Schiffrin,³ Paula Gallagher,⁴ Shara M. Evans,⁵ Robert D. Eden,⁶ Fetal Medicine Foundation of America/ Mt. Sinai School of Medicine, New York, NY, United States; ²Fetal Medicine Foundation of America, New York, NY, United States.
- S-077 Childhood Disadvantage is Associated with Sleep Quality and Duration during Pregnancy.**
Alexa Freedman,^{1,2} Lauren Keenan-Devlin,³ William Grobman,⁴ Emma Adam,⁵ Hyagriv Simhan,⁶ Jennifer Culhane,⁷ Claudia Buss,⁸ Patrick Wadhwa,⁹ Gregory Miller,¹⁰ Ann Borders,¹¹ Northwestern University, Evanston, IL, United States; ²NorthShore University HealthSystem, Evanston, IL, United States; ³NorthShore University HealthSystem, University of Chicago Pritzker School of Medicine, Evanston, IL, United States; ⁴Northwestern University Feinberg School of Medicine, Chicago, IL, United States; ⁵University of Pittsburgh School of Medicine, Pittsburgh, PA, United States; ⁶Yale School of Medicine, New Haven, CT, United States; ⁷Charité Universitätsmedizin, Berlin, Germany; ⁸University of California Irvine, Irvine, CA, United States.
- S-078 Amniotic Fluid Analysis Improves Clinical Outcomes in Pregnancies Suspected of Intrauterine Infection/Inflammation.**
Elif F. Gultekin Elbir,¹ Mehmet R. Genc,¹ University of Florida College of Medicine, Gainesville, FL, United States.
- S-079 Association of Isolated Low First Trimester PAPP-A and Pregnancy-Related Hypertension.**
Callie Hutt,¹ Jean Ricci Goodman,¹ Sheryne Liang,¹ Sereen Nashif,¹ Lindsey McAlament,¹ Rebecca Bogue,¹ Mary Lynn,¹ Loyola University Medical Center, Maywood, IL, United States.
- S-080 Early Warning Parameters for Maternal Sepsis - A Longitudinal Study in the Three Trimesters of Pregnancy.**
Anna Maria Marconi,¹ Valentina Brusati,¹ Federica Ferraro,¹ Chiara Lanfranchi,¹ University of Milano, Milano, Italy.
- S-081 Limited Added Value of Cerebroplacental Ratio in Predicting Adverse Perinatal Outcomes: A Meta-Analysis on Individual Participant Data.**
Charlotte A. Vollgrat Heideweller,¹ Schreurs,¹ Ivy R. van Osch,¹ Martijn W. Heymans,¹ Wessel Ganzevoort,² CPR IPD Study Group, Linda J. Schoonmade,¹ Caroline J. Bax,² Ben Willem J. Mol,³ Christianne Jm de Groot,¹ Patrick Mm Bossuyt,⁴ Marjon A. de Boer,¹ Amsterdam UMC, Location VUmc, Amsterdam, Netherlands; ²Amsterdam UMC, Location AMC, Amsterdam, Netherlands; ³The Robinson Research Institute, University of Adelaide, Adelaide, Australia.

DEVELOPMENTAL PROGRAMMING

- S-082 Probiotic Intake during Pregnancy Prevents Adverse Offspring (F1) Metabolic Programming Outcomes Resulting from a Maternal High-Fat Diet.**
Diana Castro-Rodriguez,^{1,2} Luis Reyes-Castro,³ Gimena Juárez,⁴ Peter Nathanielsz,⁵ Jorge Yáñez,⁴ Elena Zambrano,¹ Instituto Nacional de Ciencias Médicas y Nutrición Salvador Zubirán, Mexico City, Mexico; ²CONACyT-Catedras, Biología de la Reproducción, Instituto Nacional de Ciencias Médicas y Nutrición SZ, Mexico City, Mexico; ³University of Wyoming, Laramie, WY, United States; ⁴Instituto Politécnico Nacional, Mexico City, Mexico.
- S-083 Ablation of Adrenal Norepinephrine Response Impairs Placental Transfer Capacity in Ovine Fetuses.**
Melissa A. Davis,¹ Leticia Camacho,¹ Miranda Anderson,¹ Nathan Steffens,¹ Sean Limesand,¹ University of Arizona, Tucson, AZ, United States.
- S-084 Maternal Choline Deficiency Induces Placental Endoplasmic Reticulum Stress and Predisposes the Offspring to Hypertension in Later Life.**
Muthuselvam Kannan,¹ Thanjavur Medical College, Thanjavur, India.
- S-085 The Relationship between Maternal Global Nutrient Restriction during Pregnancy and Offspring Kidney Structure and Function: A Systematic Review of Animal Studies.**
Yu Qi Lee,¹ Emma Beckett,² Dean V. Sculley,³ Kym M. Rae,⁴ Clare E. Collins,⁵ Kirsty G. Pringle,⁶ University of Newcastle, Australia, Newcastle, Australia.
- S-086 Sex Matters: Comparing the Transcriptome and Methylation of Male and Female Early Post-Implantation Mouse Embryos.**
Kathleen O'Neill,¹ Tami Stuart,² Xiang Zhang,³ Ana Cheong,⁴ Shuk-Mei Ho,⁵ Rebecca Simmons,⁶ ¹University of Pennsylvania, Philadelphia, PA, United States; ²Children's Hospital of Philadelphia, Philadelphia, PA, United States; ³University of Cincinnati, Cincinnati, OH, United States.
- S-087 Precision Medicine in the First 1000 Days: Trajectories to a Healthy Future.**
Craig E. Pennell,¹ Carol A. Wang,¹ Stephen J. Lee,² Wendy Oddy,³ Trevor Mori,⁴ Claire Meyerkott,⁵ Lawrence Beilin,⁶ ¹University of Newcastle, Newcastle, NSW, Australia; ²Lunenfeld-Tanenbaum Research Institute, Toronto, ON, Canada; ³University of Tasmania, Tasmania, Hobart, Australia; ⁴University of Western Australia, Perth, WA, Australia; ⁵Sir Charles Gairdner Hospital, Perth, WA, Australia.
- S-088 The Association between Maternal Adiposity and Offspring Early Childhood Kidney Function in an Indigenous Australian Pregnancy-through-to-Early-Childhood Cohort Study: The Gomerol Gaaynggal Study.**
Kym M. Rae,¹ Tracy Schumacher,¹ Eugenie R. Lumbers,² Yu Qi Lee,³ Lyniece Keogh,⁴ Kathryn Sutherland,⁵ Loretta Weatherall,⁶ Kirsty G. Pringle,⁷ ¹University of Newcastle, Tamworth, Australia; ²University of Newcastle, Newcastle, Australia.
- S-089 Differential Adverse and Protective Effects of Pre- and Post-Natal Protein Restriction on Cardiovascular Function at Adulthood in Mice.**
E. A. Herrera,^{1,2} D. S. Fernandez-Twinn,² J. H. Chen,² S. E. Ozanne,² D. A. Giussani,² Universidad de Chile, Santiago, Chile; ²University of Cambridge, Cambridge, United Kingdom.

Saturday, March 16, 2019 - Poster Session III - Hall Maillot

S-090 Adaptation of Mitochondrial Respiration in Cardiac and Diaphragm Fibers of Newborn Lambs after Maternal Hypercortisolemia.

Serene Joseph¹, Mengchen Li¹, Stephanie Wohlgenuth¹, Maureen Keller Wood¹, University of Florida, Gainesville, FL, United States.

S-091 Maternal Obesity (MO) Impairs Cardiovascular Function in Aged Ewes.

Qiurong Wang¹,¹ Christopher L Pankey¹,¹ Dallas Q Sturdevant¹,¹ June Boon²,² Carey Edwards²,² Stephen P Ford²,² Wei Guo²,² Peter W Nathanielsz²,² University of Wyoming, Laramie, WY, United States;² Colorado State University, Fort Collins, CO, United States;³ Alpine Animal Hospital, Laramie, WY, United States.

S-092 The Influence of Maternal Diet During Pregnancy on Hepatic Lipid Metabolism in 3-Month-Old Male Offspring.

Ji Eun Du¹, Eun Jin Kwon, Young-Ah Yoo, Soo Min Kim, Young Ju Kim. Ewha Womans University, Seoul, Korea, Republic of.

S-093 Healthy Start ECHO Study: Associations between the Activity of Key Placental Signaling Pathways and Body Composition at Birth and 4-6 Months of Age.

Kathryn E Erickson¹, Keleher R Madeline, Katerina Kechris, Dana Dabelea, Kristen E Boyle, Thomas Jansson. University of Colorado-Denver-Anschutz Medical Campus, Aurora, CO, United States.

S-094 Sex-Specific Mechanisms behind Heightened Adrenal Function Following Maternal and Postnatal Obesity in Mice.

Noriko Ogawa¹, Aisha Rasool¹, Jessica L Teeling¹, Felino R Gagampang¹, Lucy R Green¹, Kirsten R Poore¹, University of Southampton, Southampton, United Kingdom.

S-095 MicroRNA (miRNA) Gene Interactions in the Frontal Cortex of 0.9% Gestation (Term) Intrauterine Growth Restriction(IUGR) Baboon Fetuses.

Stephanie M Guida-English¹,¹ Callum J Bell¹,¹ Cun Li²,² Peter W Nathanielsz²,² Laura A Cox³,³ National Center for Genome Resources, Santa Fe, NM, United States;²University of Wyoming, Laramie, WY, United States;³Wake Forest School of Medicine, Winston-Salem, NC, United States.

S-096 The Prevention of Defective Neurodevelopment in the Neonates with Intrauterine Growth Restriction.

S. Joseph Huang^{1,2},^{1,2} Xiaofang Guo¹, Umesh Jinwal¹, Danielle Gulick¹,¹ University of South Florida, Tampa, FL, United States;²E-Da Hospital/I-Shou University, Kaohsiung, Taiwan.

S-097 Periconceptual and Antenatal Maternal Alcohol Consumption and its Effects on Neurodevelopmental Outcomes at Two and Five Years of Age.

Fergus P McCarthy¹,¹ Deirdre Murray¹, Ali S Khashan²,² Shahina Begum³,³ Sinead Flanagan¹,¹ Roisin M Ryan¹,¹ Jonathan O'B Hourihane¹,¹ Louise Kenny⁴,⁴ The Irish Centre for Fetal and Neonatal Translational Research, Cork, Ireland;²University College Cork, Cork, Ireland;³King's College London, London, United Kingdom;⁴University of Liverpool, Liverpool, United Kingdom.

S-098 Markers of Neuroinflammation in Obese Mouse Brains is Worsened by Obesity in Pregnancy.

Aisha Rasool¹, Felino R Gagampang¹, Lucy R Green¹, Jessica L Teeling¹, Kirsten R Poore¹, University of Southampton, Southampton, United Kingdom.

S-099 Do Hormones in Pregnancy Indicate Fetal Endocrine Disruption?

Jennifer J Adibi¹,¹ Qing Yint¹,¹ Xiaoshuang Xunt¹,¹ Andrea Bellavia²,² Shyamal Peddada¹,¹ Emily Barrett³,³ Shanna Swan⁴,⁴ University of Pittsburgh Graduate School of Public Health, Pittsburgh, PA, United States;²Harvard T.H. Chan School of Public Health, Boston, MA, United States;³Rutgers University- School of Public Health, Piscataway, NJ, United States;⁴Icahn Mt. Sinai School of Medicine, New York, NY, United States.

FETUS

S-100 The Effects of Antepartum Progesterone on Fetal Autonomic System Maturation.

Julie R Whittington, Recep Avci, Diana Escalona-Vargas, Curtis L Lowery, Hari Eswarap, University of Arkansas COM, Little Rock, AR, United States.

S-101 Polyomic Analyses of Human Fetal Endocrine Organs Predict Persistent Fetal Inflammation and Reduced Fetal Vitamin D Signalling in Pregnancies of Mothers with High BMI.

Paragiotis Filis¹,¹ Natasha Walkert¹,¹ Michelle Bellingham²,² Zoe C Johnston²,² Peter O'Shaughnessy²,² Paul A Fowler¹,¹ University of Aberdeen, Aberdeen, United Kingdom;²University of Glasgow, Glasgow, United Kingdom.

S-102 Effect of Gestational Long Term Hypoxia on the FGF21 Complex (FGF21-FGFR1-βKlotho) in Ovine Perinatal Adipose Tissue in the Transition from Fetus to Lamb.

Naoshi Yamada¹,¹ Kanchan Kaushal¹,¹ James Williams¹,¹ Dean A. Myers²,² Charles A. Ducas³,³ Center for Perinatal Biology, Loma Linda University, Loma Linda, CA, United States;¹Dept. Ob/Gyn, University of Oklahoma HSC, Oklahoma City, OK, United States.

S-103 Genetic Variants in MICA Gene are Associated with Birth Weight in a Chinese Cohort.

Junjiao Song¹,¹ Gan Yuexin¹,¹ Feng Liping²,² Li Jing¹,¹ Chen Dan¹,¹ Shanghai Jiao Tong University, Shanghai, China;²Duke University, Durham, NC, United States.

S-104 First Do No Harm - Preventing Over-Diagnosis of Fetal Macrosomia.

Kathy C Matthews¹,¹ Rohini Kopparam¹,¹ Rana Khan¹,¹ Evan Sholle¹,¹ Megan E Savage¹,¹ Shari E Gelber²,² New York Presbyterian Weill Cornell, New York, NY, United States;¹Maternal Fetal Medicine Associates, New York, NY, United States.

S-105 Evaluation of Prenatal Maternal Plasma Soluble Fms-Like Tyrosine Kinase-1 to Placental Growth Factor Ratio for Predicting the Outcome of SGA Neonates without Preeclampsia.

Soung Shin Shim¹,¹ Kyoung Jin Lee²,² So Hyun Shim¹,¹ Hee Jin Park¹,¹ Dong Hyun Cha. CHA Gangnam Medical Center, CHA University, Seoul, Korea, Republic of.

S-106 The Fetal Head/Abdominal Circumference Ratio as a Predictor of Adverse Perinatal Outcomes in Growth-Restricted Fetuses.

Sachie Suga¹,¹ Ichiro Yasuhi¹,¹ Makoto Nomiyama²,² Tomoya Mizunoe²,² Naofumi Okura²,² Kosuke Kawakami³,³ Ken Yamaguchi³,³ Masanobu Ogawa⁴,⁴ Nagasaki Medical Center, Omura/Nagasaki, Japan;²Saga Hospital, Saga, Japan;³Kure Medical Center, Kure, Japan;⁴Kokura Medical Center, Kokura, Japan;⁵Kyoto Medical Center, Kyoto, Japan;⁶Kyusyu Medical Center, Fukuoka, Japan.

Saturday, March 16, 2019 - Poster Session III - Hall Maillot

- S-107 Evidence That Inhibition of AOX1 and GPER1 Receptor Activation Protects the Placenta against Oxidative Damage, Alteration in Protein Expression and Mitochondrial Dysfunction.**
Zakia Sullana¹, Kaushik Maity, Roger Smith¹. *University of Newcastle, New Lambton Heights, NSW, Australia.*
- S-108 Multi-Omic Analysis Reveals Alterations in Placental Metabolism Due to Excess Maternal Cortisol in Late Gestation.**
Jacquelyn M. Walejko¹, Serene Joseph², Sicong Zhang³, Arthur S. Edison¹, Maureen Keller-Wood².
¹University of Georgia, Athens, GA, United States;
²University of Florida, Gainesville, FL, United States.
- S-109 Metabolic Biomarkers of Selective Intrauterine Growth Restricted Monochorionic Twins.**
Lianlian Wang¹, Ting-Li Han², Xiaofang Luo³, Li Went¹, Yangxi Zheng¹, Richard Saffery⁴, Philip N Baker⁵, Chao Tong⁶, Hongbo Qi¹. *¹Chongqing Medical University, Chongqing, China; ²University of Melbourne, Parkville, Australia; ³University of Leicester, Leicester, United Kingdom.*
- S-110 Relations of Poor Fetal Growth with Kidney Volumes and Child Blood Pressure.**
Mary E. Wlodek¹, Navin Michael², Suresh Sadananthan³, Mya Tint³, Yuan Lun³, Kok Tan⁴, Keith Godfrey⁵, Peter Gluckman⁶, Yap Seng Chong⁷, Fortier Marielle⁸, Yung Seng Lee⁹, Karen Moritz⁹, Shiao-Yng Chan⁹, Sendhil Velan². *¹Univ of Melbourne, Parkville, Australia; ²Singapore Institute for Clinical Sciences, SG, Singapore; ³National Univ of Singapore, SG, Singapore; ⁴KK Women's and Children's Hospital, SG, Singapore; ⁵Univ of Southampton, Southampton, United Kingdom; ⁶Univ of Queensland, St Lucia, Australia.*
- S-111 Adenosine Monophosphate Kinase Activation Partially Prevents Fetal Growth Restriction in High-Altitude Pregnancy.**
Sydney L. Coates¹, Ramon A. Lorca, Colleen G. Julian, Lorna G. Moore¹. *University of Colorado, Aurora, CO, United States.*
- S-112 Maternal Hemodynamics in Small for Gestational Age Pregnancies with and without Fetal Growth Restriction.**
Helen Perry¹, Henriette Lehmann², Elena Mantovani³, Basky Thilaganathan⁴, Asma Khalil⁵. *¹St George's University of London, London, United Kingdom.*
- S-113 Dexamethasone Promotes Surfactant Maturation and Hypoxia Signalling in the Fetal Lung Following Hypoxic Pregnancy.**
M.C. Lock¹, K. J. Botting², Y. Niu², S. G. Ford², S. Orgeig¹, D. A. Giussani², J. L. Morrison¹. *¹University of South Australia, Adelaide, Australia; ²University of Cambridge, Cambridge, United Kingdom.*
- S-114 Impaired Myometrial Artery Vasodilator Response in High-Altitude Pregnancies.**
Ramon A. Lorca, Sydney L. Coates, Colleen G. Julian, Lorna G. Moore¹. *University of Colorado Denver, Aurora, CO, United States.*
- S-115 Silencing of the Human Mitochondria-Localized Glutamic Acid-Rich Protein (MGARP) Gene Induces Apoptosis in a Cell Line Model for Human Fetal Adrenal.**
Asuka Togo, Sachiko Hanawa, Kansaku Mitsuoka, Yumiko Goto, Yoshihiro Nishijima, Masaru Hayashi, Kanno Yasuhira, Masaki Miyazawa, Mariko Miyazawa, Hitoshi Ishimoto. *Tokai University School of Medicine, Isehara-shi, Kanagawa, Japan.*
- S-116 Fetal Pathology Following Antenatal Sildenafil Citrate Administration.**
Ishmael Innocenti¹, Amy Sutherland¹, Hannah Young¹, Tan Went¹, Ilias Nitsos¹, Suzie Miller^{1,2}, Graeme Polglase¹, Beth J. Allison¹. *¹Hudson Institute of Medical Research, Clayton, Australia; ²Monash University, Melbourne, Australia.*
- S-117 Exposure to Viral Mimics Inhibits Drug Transporter (P-Glycoprotein) Function in a Human Blood-Brain Barrier Model.**
Guinever E. Imperio, Petcharawan Lye, Stephen G. Matthews. *University of Toronto, Toronto, ON, Canada.*
- S-118 Interaction of Astrocytes and Endothelial Cells in Modulating the Effects of Viral Infection on Drug Transporter Function in the Developing Blood-Brain Barrier.**
Andrada Naghi¹, Guinever Eustáquio Do Império^{1,2}, Alisa Kostaki¹, Stephen G. Matthews^{1,2}. *¹University of Toronto, Toronto, ON, Canada; ²Lunenfeld-Tanenbaum Research Institute, Toronto, ON, Canada.*
- S-119 Identifying Birth Injury: Obstetrical and Intrapartum Risk Factors for Abnormal MRI after Neonatal Therapeutic Hypothermia.**
Rachel L. Wood¹, Sarah Rae Easter², Sarah E. Little¹, Megan E. Bunnell³, Sarah C. Lassey⁴, Mohamed El-Dib⁵, Julian N. Robinson⁶. *¹Brigham and Women's Hospital, Boston, MA, United States; ²Geisel School of Medicine, Hanover, NH, United States.*
- GYNECOLOGIC ONCOLOGY**
- S-120 Constructing a Panel of Common Predisposition Variants to Predict Women That Are at High-Risk of Developing Endometrial Cancer.**
Cemsel Balfiligit¹, Deborah Thompson², Miriam Smith³, Artitaya Lophatananon⁴, Neil Ryan⁵, Anie Naqvi⁶, Gareth D. Evans⁷, Emma J. Crosbie⁸. *¹The University of Manchester, Manchester, United Kingdom; ²University of Cambridge, Cambridge, United Kingdom.*
- S-121 Targeting Metabolism of Ovarian Cancer as New Therapeutic Strategy.**
Kei Kudoh¹, Kiyoshi Ito², Hidekazu Yamada³, Shima Hiroshi⁴, Nobuo Yaegashi⁵, Nobuhiro Tanuma⁶. *¹Miyagi Cancer Center Research Institute, Natori, Miyagi, Japan; ²Tohoku University Hospital, Sendai, Miyagi, Japan; ³Miyagi Cancer Center, Natori, Miyagi, Japan.*
- S-122 The Loss of Response to the Inhibitory Action of Anti-Müllerian Hormone (AMH) through Downregulation of its Receptor is a Potential Mechanism of Chemoresistance in Ovarian Cancer Cells.**
Laura Detti¹, Amy K. Harper², Rong Fan³, Irene Peregrin-Alvarez⁴, Robert A. Roman⁵, Roberto L. D'Ancona⁶, Robert T. Morris⁷, Ghassan M. Saed⁸. *¹University of Tennessee Health Science Center, Memphis, TN, United States; ²Karmanos Cancer Institute, Wayne State University School of Medicine, Detroit, MI, United States; ³The C. S. Mott Center for Human Growth and Development, Wayne State University School of Medicine, Detroit, MI, United States.*
- S-123 Talcum Powder Enhances Key Mechanisms of Ovarian Cancer Development and Progression: A Link to Increased Ovarian Cancer Risk.**
Amy K. Harper^{1,2}, Nicole M. Fletcher¹, Rong Fan¹, Robert Morris^{1,2}, Ghassan M. Saed^{1,2}. *¹Wayne State University School of Medicine, Detroit, MI, United States; ²Karmanos Cancer Institute, Detroit, MI, United States.*

Saturday, March 16, 2019 - Poster Session III - Hall Maillot

- S-124** **Comparison of Transperitoneal and Extraperitoneal Laparoscopic Para-Aortic Lymphadenectomy in Cervical Cancer.**
*Kejia Wu*¹, Zhongnan Hospital of Wuhan University, Wuhan, China.

MATERNAL HEALTH

- S-125** **Preventing the Primary Cesarean in Practice: Evaluating Temporal Trends and Adherence to ACOG/SMFM Guidelines at a Single Institution.**
*Emma Gilmore*¹, Christina Escobar², Yuzuru Anzai³, Alan Arslan⁴, Maria Teresa Benedetto-Anzai⁵, Teresa Cheon⁶, W. Spencer McClelland⁷, New York University, New York, NY, United States.

- S-126** **Impact of Decision to Delivery Times Upon Maternal and Neonatal Outcomes.**
Iffath A. Hoskins, Robert Berg, NYU Medical Center, New York, NY, United States.

- S-127** **Back to the Basics: Achieving Appropriate Gestational Weight Gain May Be Paramount to Prevention of Preeclampsia in the Chronic Hypertensive Pregnancy.**
*Melissa Kozakiewicz*¹, Kristen H Quinn², Brian Brost³, Jeff M Denney⁴, Wake Forest University School of Medicine, Winston Salem, NC, United States.

- S-128** **First Trimester Oral Extracellular Vesicles Characterization in Pregnancies Complicated by Gestational Diabetes Mellitus.**
*Lara J Monteiro*¹, Manuel Varas-Godoy², Marcela Hernandez³, Gregory Rice⁴, Omella Realini⁵, Max Monckeberg⁶, Roberto Romero⁷, Sebastián E Illanes⁸, Alejandra Chaparro⁹, Universidad de los Andes, Santiago, Chile; Universidad de Chile, Santiago, Chile; Eunice Kennedy Shriver National Institute of Child Health and Human Development, Detroit, MD, United States.

- S-129** **Metabolomic Profiles of Preterm Birth in Maternity Log Study.**
Daisuke Ochi^{1,2}, Takafumi Yamauchi^{1,2}, Yoshiki Tsunemoto¹, Satsuki Kumatani¹, Maiko Wagata^{2,3}, Riu Yamashita^{4,2}, Osamu Tanabe^{5,2}, Nobuo Yaegashi³, Satoshi Hiyama¹, Masao Nagasaki², Junichi Sugawara^{2,3}, Maternity Log Study Group, NTT DOCOMO, INC., Yokosuka, Kanagawa, Japan; Tohoku University, Sendai, Miyagi, Japan; Tohoku University Graduate School of Medicine, Sendai, Miyagi, Japan; National Cancer Center, Kashiwa, Chiba, Japan; Radiation Effects Research Foundation, Hiroshima, Hiroshima, Japan.

- S-130** **Selective Expression of 2-AG (2-Arachidonoyl Glycerol) Pathway in Mammary Gland Tissues.**
*Brent Gudenkauf*¹, Kushal Gandhi², Nadezhda German³, Ashraf Uz Zaman³, Edward Dick⁴, Natalia Schlabritz-Lutsevich^{2,5}, Texas Tech University Health Sciences Center (TTUHSC), Odessa, TX, United States; Texas Tech University Health Sciences Center, Odessa, TX, United States; School of Pharmacy, TTUHSC, Amarillo, TX, United States; Texas Biomedical Institute, San Antonio, TX, United States; Center for Translational Neurobiology and Pharmacology (TTUHSC), Lubbock, TX, United States.

- S-131** **A Cross-Sectional Assessment of Serum Lactate in Women Presenting for Acute Care in Pregnancy.**
*Adina Kern-Goldberger*¹, Melanie Polin², Tracy C Bank³, Cynthia Gyamfi-Bannerman, Leslie Moroz⁴, Columbia University Irving Medical Center, New York, NY, United States.

- S-132** **Soluble Amyloid Precursor Protein Serum Levels Are Associated with Subclinical Cardiovascular Dysfunction.**
*Garlie A McBride*¹, Kylie M Cooper^{1,2}, Trace Barrett¹, Johannes Steiner³, Ira M Bernstein¹, University of Vermont Larner College of Medicine, Burlington, VT, United States; St. Luke's, Boise, ID, United States.

- S-133** **Adrenomedullin as a Potential Mediator of Altered Energy and Fat Metabolism in Normal and GDM Pregnancies in a Mouse Model.**
Kathleen A. Pennington, Yuanlin Dong, Simone Hernandez Ruano, Nicola van der Walt, Chandana Yallampalli, Baylor College of Medicine, Houston, TX, United States.

- S-134** **Diet and Pregnancy Outcome Interact to Influence the Postpartum Metabolic Trajectory in a Mouse Model.**
Mina Peshavaria, Mallia N. Grent¹, Kirtika Prakash, Taylor Dawson, Elizabeth Ann Bonney, University of Vermont, Burlington, VT, United States.

- S-135** **Gestational Age-Related Changes in ExRNA Expression in Normal Human Pregnancy and Comparison of RNA Isolation Techniques.**
*Kajal Verma*¹, Srimeenakshi Srinivasan, Peter De Hoff, Cuong To, Clara Laurent, Antoinette Mason, Aileen Fernando, Katharine Knepper, Jennifer Tasarz, Aishwarya Vuppala, Rachael Overcash, Richelle Olsen, Hilary Roeder, Gladys Ramos², Mana Parast³, Louise C Laurent⁴, University of California, San Diego, San Diego, CA, United States.

- S-136** **Lactation Improves Long-Term Vascular Function in Healthy, Wild-Type Dams.**
*Mary Gemmelt*¹, Elizabeth F Sutton, Marcia J Gallaher, Robert W Powers², Magee-Womens Research Institute, Pittsburgh, PA, United States.

- S-137** **Systematic Risk Assessment and Tailored Care to Enhance Maternal Empowerment Postpartum: A Cluster Randomized Controlled Trial.**
*Jacqueline Legendijk*¹, Erasmus MC, Rotterdam, Netherlands.

- S-138** **Lactation Improves Long-Term Vascular Dysfunction in Dams with a History of a Preeclampsia-Like Pregnancy.**
*Elizabeth F Sutton*¹, Mary Gemmelt¹, Marcia J Gallaher, Robert W Powers², Magee-Womens Research Institute, Pittsburgh, PA, United States.

- S-139** **The Role of Lactate Acidification on Inflammatory Pathway Activation in Vaginal Epithelial Cells.**
Fabienne D Hanton, Yun Lee, Harriet Gunstone, Nuntawat Chaitrakulthong, Nathaniel Tay, Phillip R Bennett, David A MacIntyre³, Imperial College, London, United Kingdom.

- S-140** **An Immune Atlas of Mid to Late Mouse Gestation.**
*Amber R Moore*¹, Nora Vivanco-Gonzalez, Katie Plummer, Harleen Kaur, Olivia Mitchell, Moises Rivera, Sean C Bendall, Theodor D Palmer², Stanford University, Stanford, CA, United States.

- S-141** **Dynamic Core Taxonomical and Metabolic Signatures in the Perinatal Period.**
*Beatriz Penalver Bernabe*¹, Jack A. Gilbert², University of Chicago, Chicago, IL, United States.

Saturday, March 16, 2019 - Poster Session III - Hall Maillot

PLACENTA

S-142 Is Low First-Trimester PAPP-A in Twin Gestations Associated with Preeclampsia and Fetal Growth Restriction?

Matthew J. Blizitz,¹ Jiyoung Kimt,¹ David A. Krantz,² Laura R. Gainey,¹ Nidhi Vohra,¹ Burton Rochelson.¹ ¹Donald and Barbara Zucker School of Medicine at Hofstra/ Northwell, Manhasset, NY, United States; ²Eurofins NTD Labs, Melville, NY, United States.

S-143 Higher Incidence of Abnormal Cord Insertion, Placenta Previa, and Low-Lying Placenta in IVF Pregnancies.

Martina S. Burnt,¹ Masaru Negit,¹ Joshua A. Copel, Anna K. Sfakianaki, Christina M. Ackerman,¹ Elizabeth Ackley,¹ Marissa Platner, Mert O. Bahtiyar.¹ Yale University, New Haven, CT, United States.

S-144 Imbalance between Placental Renin-Angiotensin Pathways Regulating Vasoconstriction and Vasodilation in Placentae from Pregnancies Complicated by Idiopathic Human Fetal Growth Restriction: Implications for Uteroplacental Blood Flow?

Sarah J. Delforce,¹ Eugenie R. Lumbers,¹ Stacey J. Ellery,² Padma Murthi,² Kirsty G. Pringle.¹ ¹University of Newcastle, New Lambton Heights, Australia; ²Monash University, Melbourne, Australia.

S-145 Effect of Carbon Monoxide on Vascular Adaptations during Pregnancy.

Megan A. Dickson,¹ Nichole Peterson,¹ Karalyn E. McRae,¹ Jessica Pudwell,² Chandrakant Tayade,¹ Graeme N. Smith.^{1,2} ¹Queen's University, Kingston, ON, Canada; ²Kingston Health Sciences Centre, Kingston, ON, Canada.

S-146 Patterns in Gene Expression of Villous Tissue Based on Placental Pathology.

Alexa Freedman,^{1,2} Gregory Miller,¹ Linda Ernst,³ Lauren Keenan-Devlin,¹ Steve Cole,¹ Ann Borders.³ ¹Northwestern University, Evanston, IL, United States; ²NorthShore University HealthSystem, Evanston, IL, United States; ³NorthShore University HealthSystem, University of Chicago Pritzker School of Medicine, Evanston, IL, United States; ⁴UCLA School of Medicine, Los Angeles, CA, United States.

S-147 Recurrence of Placental Pathology Following IVF Pregnancies is Similar Regardless of Use of ART in Next Pregnancy.

Taylor S. Frerett,¹ Caitlin R. Sachat,¹ Kaitlyn James,¹ Amy L. Harris,² John Yeh,² Irene Souter,² Thomas L. Toth,⁴ Anjali Kaimal,⁵ Drucilla J. Roberts.⁶ ¹Department of OB/GYN, Massachusetts General Hospital, Boston, MA, Boston, MA, United States; ²MGH Fertility Center, Boston, MA, United States; ³Deborah Kelly Center for Outcomes Research, Massachusetts General Hospital, Boston, MA, United States; ⁴Boston IVF, Boston, MA, United States; ⁵Division of Maternal Fetal Medicine, Massachusetts General Hospital, Boston, MA, United States; ⁶Department of Pathology, Massachusetts General Hospital, Boston, MA, Boston, MA, United States.

S-148 Placental Chorangioma is Associated with Developmental Delay in Males.

Nicole Marek,¹ Galena Kolchugina, Terry Morgan.¹ Oregon HS University, Portland, OR, United States.

S-149 Identification of Enhancer Elements Driving Human Placenta Biology across Gestation.

David Owen,¹ Xuan Huang, Tulip Nandu, W. Lee Kraus.¹ UT Southwestern Medical Center, Dallas, TX, United States.

S-150 Upregulation of CD47 and Interleukin-6 Pathway is Associated with Dysregulation of Nitric Oxide and Oxidative Stress in Mice with Placental Hypoxia and Insufficiency.

Lilyia M. Yamaleyeva,¹ David R. Soto-Pantoja.¹ Wake Forest School of Medicine, Winston-Salem, NC, United States.

S-151 Development of a Surgical Mouse Model of Placenta Accreta Spectrum (PAS).

Suzanne D. Burke,¹ Zsuzsanna K. Zsengeller,¹ S. Ananth Karumanchi,¹ Scott A. Shainker.¹ Beth Israel Deaconess Medical Center and Harvard Medical School, Boston, MA, United States.

S-152 Down-Regulation of SRC-3 by Hypoxia Suppresses Trophoblast Invasion and Migration in the Preclampsia Placenta through the Inhibition of Akt/mTOR Pathway.

He Chenglin,¹ Nan Shant,¹ Yangxi Zheng,¹ Hongbo Qi,¹ Philip N. Baker,² Chao Tong.¹ ¹Chongqing Medical University, Chongqing, China; ²University of Leicester, Leicester, United Kingdom.

S-153 TNF-α Signals through the Sphingosine 1-Phosphate (S1P) Pathway to Decrease Fusion of Primary Human Trophoblasts.

Yuliya Fakhr,¹ Saba Saadat,¹ Jiabo Guo,¹ Kristin Huntley,¹ Martina Mackova,¹ Denise G. Hemmings.¹ University of Alberta, Edmonton, AB, Canada.

S-154 Angiomotin (AMOT) Regulates Trophoblast Migration in the Human Placenta Under Oxygen Dependent JMD6-Mediated Lysyl Hydroxylation.

Abby P. Farrell,^{1,2} Sruthi Alahari,¹ Leonardo Ermini,¹ Isabella Caniggia.^{1,2} ¹Lunenfeld-Tanenbaum Research Institute, Sinai Health System, Toronto, ON, Canada; ²UofT, Toronto, ON, Canada.

S-155 Protease-Activated Receptors-1 and 2 Act with Low-Density Lipoprotein Receptor-Related Protein 5/6 as a Coreceptor in Early Human Placenta Formation.

Sorina Grisanu-Granosky,¹ Jeetendra Kumar Nagt,² Liat Zakert,¹ Tatyana Rudina,³ Chhedi Lal Gupta,⁴ Myriam Maoz,³ Daria Kozlovat,¹ Rachel Bar Shavit.³ ¹Shaare Zedek MC The Hebrew University, Jerusalem, Israel; ²Sharett Institute of Oncology The Hebrew University, Jerusalem, Israel; ³Sharett Institute of Oncology, Hadassah The Hebrew University, Jerusalem, Israel; ⁴UCL Computer Science Department, London, United Kingdom.

S-156 Type 1 Maternal Diabetes is Associated with Divergent Placental and Cardiac Mass in Her Progeny.

Rolanda Lister,¹ Molly Eckman,¹ Etoi A. Garrison, Scott Baldwin.¹ Vanderbilt University Medical Center, Nashville, TN, United States.

S-157 Active Hypoxia Induced Autophagy of Trophoblast in Placenta Accreta.

Huizhu Liu,¹ Yunshan Chen,¹ Lele Wang,¹ Junjie Bao,¹ Xiaoyan Sha,¹ Qian Huang.¹ Guangzhou Women & Children Medical Center, Guangzhou, China.

S-158 Evaluation of Uterine Scar Substructure in Placenta Accreta Using Molecular Imaging.

Haylea S. Patrick,¹ Edward J. Yurkow,² Marina A. Chekmareva,¹ Christina M. Duzly.¹ ¹Rutgers Robert Wood Johnson Medical School, New Brunswick, NJ, United States; ²Rutgers Molecular Imaging Center, Piscataway, NJ, United States.

Saturday, March 16, 2019 - Poster Session III - Hall Maillot

- S-159 Plasma Protein Changes in Placenta Accreta Spectrum (PAS) Disorder.**
Scott A Shaanker,^{1,2} Robert M Silver,² Brett D Einerson,² D Ware Branch,³ Towia Liberman,^{1,2} S. Ananth Karumanchi,^{1,2} Beth Israel Deaconess Medical Center, Boston, MA, United States; ²Harvard Medical School, Boston, MA, United States; ³University of Utah School of Medicine, Salt Lake City, MA, United States.
- S-160 Plant Extracellular Vesicles Influence Trophoblast Differentiation.**
Kate Timmst,¹ Anil Day,¹ John McLaughlin,¹ Karen Forbes,² Melissa Westwood,¹ ¹University of Manchester, Manchester, United Kingdom; ²University of Leeds, Leeds, United Kingdom.
- S-161 Abstract Withdrawn**
- S-162 Umbilical Lysophosphatidylcholine-DHA is Reduced in Male Neonates in Pregnancies Complicated by Maternal Obesity.**
Veronique Ferchaud-Rouge,^{1,2} Stefan Haugen,¹ Thomas Jansson,¹ Theresa L Powell,¹ ¹University of Colorado, Anschutz Medical Campus, Aurora, CO, United States; ²University of Nantes, Nantes, France.
- S-163 Soluble FND5 Induces Key Pathways in Energy Homeostasis and Cell Survival in Human Trophoblast Cell Lines.**
Eugenia Johnson, Robert Vanderkamp, Andrew Umstead, Irving Vega, Hamid-Reza Kohan-Ghadr, Sascha Drewlo, Michigan State University, Grand Rapids, MI, United States.
- S-164 mTOR Signaling Regulates Human Placental Serotonin Secretion and O-GlcNAc Transferase (OGT) Expression, Two Mechanisms Linking Maternal Stress/Infection to Adverse Neurodevelopment.**
Anita Kramer, Theresa L Powell, Thomas Jansson, University of Colorado Anschutz Medical Campus, Aurora, CO, United States.
- S-165 Sexual Dimorphism in Fuel Utilization by Trophoblast from Lean, Obese and Gestational Diabetic Women.**
Yu Wang¹, Matthew Bucher¹, Leslie Myatt¹, Oregon Health and Science University, Portland, OR, United States.
- S-166 Compromised of Placental ABC Transporters in an Immunocompetent Model of Zika Virus Congenital Infection.**
Cherley B. V. Andrade¹, Sharton V A Coelho¹, Hanailly R Gomes¹, Flavia F Bloise¹, Stephen G Matthews², Enrico Bloise¹,² Luciana B Arruda¹,³ Tania M Ortega-Carvalho¹,¹ Federal University of Rio de Janeiro, Rio de Janeiro, Brazil; ²University of Toronto, Toronto, ON, Canada; ³Federal University of Minas Gerais, Belo Horizonte, Brazil.
- S-167 Effect of High Altitude on Human Placental Amino Acid Transport.**
Owen R Vaughan, Frederick J Thompson, Ramon A Lorca, Colleen G Julian, Theresa L Powell, Lorna G Moore, Thomas Jansson, University of Colorado, Aurora, CO, United States.
- S-168 Actions of Glucocorticoids at the Maternal-Fetal Interface.**
Edwina Kisangat, Andreanna Burman¹, Shannon D. Whitley¹, Yale University, New Haven, CT, United States.
- S-169 Endocrine Zone Overgrowth in the Mouse Placenta Alters Nutrient Transport to the Fetus.**
Elthimia R Christoforou^{1,2}, Jorge Lopez-Tello^{1,2}, Hannah E J Yong^{1,2}, Jonel Sandovic^{1,2}, Alison J Forhead^{1,2},¹ Miguel Constancia^{1,2}, Amanda N Sfernuzzi-Perri^{1,2},¹University of Cambridge, Cambridge, United Kingdom; ²Centre for Trophoblast Research, Cambridge, United Kingdom.
- S-170 Identifying Placental Hormones that Adapt Maternal Physiology to Support Fetal Growth.**
Tina Napsot, Xiaohui Zhao¹, Russell S. Hamilton¹, Amanda N. Sfernuzzi-Perri¹, University of Cambridge, Cambridge, United Kingdom.
- S-171 Treatment with IL1Ra Blocks DAMP-Mediated Inflammation in an *In Vitro* Model of Placental Insult.**
Bernadette C Baker¹, Helen Bischof¹, Frances Beards¹, Tatiana Guevara¹, Alexander Heazell¹, Colin Sibley¹, Sylvie Girard², Rebecca L Jones¹,¹ University of Manchester, Manchester, United Kingdom; ²University de Montreal, Montreal, QC, Canada.
- S-172 High Mobility Group Box 1 as an Endogenous Mediator of Inflammation at the Maternal-Fetal Interface.**
Virginie Gaudreault^{1,2}, Julia Palacios¹, Ines Boufaied², Sylvie Girard^{1,2},¹ Université de Montreal, Montreal, QC, Canada; ²CHU Sainte-Justine Research Center, Montreal, QC, Canada.
- S-173 Does Foley Bulb Induction of Labor Increase Histologic Chorioamnionitis?**
Stephen S Rasiyah¹, Devin M Reilly¹, Jaime L Maines¹, Jaime M Paul¹, Sendar H Ural¹, William M Curtin¹, Penn State Health Milton S. Hershey Medical Center, Hershey, PA, United States.
- S-174 MicroRNA 548 Clusters Downregulate High-Mobility Group Box 1 (HMGB1) Expression in Preterm Birth with Chorioamnionitis.**
Ga Hyun Son, Lee Keun-Young¹, Park Sung Taek¹, Hallim University College of Medicine, Seoul, Korea, Republic of.
- S-175 Human Induced Pluripotent Stem Cell Derived Trophoblast to Study Placental Differentiation and Function.**
Ambart Covarrubias¹, Elizabeth Lemoine¹, Margareta Pisarska¹, Ravi Thadani¹, Ananth Karumanchi¹, Cedars-Sinai Medical Center, Los Angeles, CA, United States.
- S-176 T2 and T2* Placental Magnetic Resonance Imaging in Pre-Eclampsia.**
Alison Hot¹, Hutter Jana¹, Laurence Jackson¹, Lisa Story, Laura McCabe, Joseph V Hajnal, Mary Rutherford, Lucy Chappell, King's College London, London, United Kingdom.
- S-177 Measuring Placental Oxygenation in a Rat Model of Intrauterine Growth Restriction (IUGR): Investigations with *In-Vivo* Magnetic Resonance Imaging (MRI).**
Yutthapong Tongpob¹,² Alexander Joos¹, Kirk Feindel¹, Caitlin Wyrwoll¹,¹ University of Western Australia, Perth, Australia; ²Naresuan University, Phitsanulok, Thailand.
- HYPERTENSION IN PREGNANCY**
- S-178 Early Prediction of Preeclampsia using Maternal Serum Total Cell Free DNA.**
Stephanie Acuña-Gallardo¹, Lara Monteiro¹, Max Monckeberg¹, Gregory Rice¹, Amos Doudevani¹, Offer Erez², Sebastián Illanes¹,¹ Universidad de los Andes, Santiago, Chile; ²Soroka University Medical Center, Beer Sheva, Israel.

Saturday, March 16, 2019 - Poster Session III - Hall Maillot

- S-179 Vascular Reactivity Following Exposure to Pitavastatin Demonstrates Sex-Specific Effects in the Endothelial Nitric Oxide Synthase Knockout Mouse.**
Chinedu Aguwa, Mark Dilworth, Jenny Myers, Mark Wareing. *University of Manchester, Manchester, United Kingdom.*
- S-180 Does Fish Consumption in Pregnancy Reduce the Risk of Pre-Eclampsia?**
Maria Andrikopoulou¹, Eve E Overton², Nigel I Maddent³, Gyamfi Gyamfi-Bannerman⁴. *Columbia Irving Medical Center, New York, NY, United States.*
- S-181 Characteristics of Stillbirth in Women with Hypertensive Disorders of Pregnancy: Stillbirth Collaborative Research Network Data.**
Ashley E Benson^{1,2}, Jessica M Page^{1,2}, Michelle P Debink^{1,2}, Karen J Gibbins¹, Michael W Varner^{1,2}, Martha Monsont^{1,2}, Robert M Silver^{1,2}. *¹University of Utah Health, Salt Lake City, UT, United States; ²Intermountain Healthcare, Salt Lake City, UT, United States; ³Oregon Health and Science University, Portland, UT, United States.*
- S-182 Maternal and Perinatal Outcomes between Preeclampsia and Superimposed Preeclampsia: A Comparative Study.**
Matthew J Bicoccat¹, Conisha Holloman¹, John Barton², Baha M Sibai¹. *Preeclampsia Triage by Rapid Assay (PETRA). ¹University of Texas Health Science Center at Houston (UT Health), Houston, TX, United States; ²Baptist Health Lexington, Lexington, KY, United States.*
- S-183 Achieving Time to Treatment Goal for Severe Maternal Hypertension Does Not Result in Adverse Change in Fetal Heart Rate Category in Statewide Perinatal Quality Initiative.**
Danielle Young¹, Lauren Keenan-Devlin^{2,3}, Alexa Freedman^{2,1}, Patricia Ann Lee King¹, Ann Borders^{2,3,1}. *¹Northwestern University, Chicago, IL, United States; ²NorthShore University HealthSystem, Evanston, IL, United States; ³University of Chicago, Chicago, IL, United States.*
- S-184 Longitudinal Changes in Thrombin Generation as a Potential Discriminator for Hypertensive Outcomes during Pregnancy.**
Maria Cristina Bravo¹, Kelley McLean², Thomas Orleo¹, Kathleen Brummel-Ziedins¹, Ira Bernstein². *¹University of Vermont, Colchester, VT, United States; ²University of Vermont, Burlington, VT, United States.*
- S-185 Error in Estimated Fetal Weight: Is Pre-Eclampsia a Factor?**
Clifton O Brock¹, Baha M Sibai¹. *The PETRA Investigators. University of Texas Medical Center in Houston, Houston, TX, United States.*
- S-186 First Trimester Placental Alkaline Phosphatase in Oral Fluid as an Early Predictor of Preeclampsia.**
Alejandra Chaparro¹, Max Monckeborg¹, Omella Realini¹, Francisco Saavedra², Fernanda Param¹, Valeria Ramirez¹, Greg Rice¹, Juan Pedro Kusanovic², Sebastián Illanes¹. *¹Universidad de Los Andes, Santiago, Chile; ²Family Health Centre Karol Wojtyła, Santiago, Chile; ³Pontificia Universidad Católica de Chile, Santiago, Chile.*
- S-187 Redefining Hypertension: Relating Adverse Pregnancy Outcomes to New 2018 Blood Pressure Guidelines.**
Suneet P Chaudhary, Eunice Kennedy Shriver National Institute of Child Health and Human Development Maternal-Fetal Medic. McGovern Medical School at UTHealth, Houston, TX, United States.
- S-188 Biochemical Markers of Bone Turnover in Women Who Develop Preeclampsia.**
Tendai Chivaw¹, Lucia Brown^{1,2}, Carole A McBride², Michael DeSanto², Elizabeth McGee^{1,2}, Ira M Bernstein^{1,2}. *¹University of Vermont Medical Center, Burlington, VT, United States; ²University of Vermont College of Medicine, Burlington, VT, United States.*
- S-189 VEGF-Mediated Glomerular Endothelial Disruption Occurs Independently of Changes in VE-Cadherin or ZO-1 Expression and Localization.**
Kenna R Degnert¹, Cynthia E Bird¹, Ian M Bird¹, Dinesh M Shah¹. *University of Wisconsin Madison School of Medicine and Public Health, Madison, WI, United States.*
- S-190 Peripartum Infectious Morbidity in Women with Preeclampsia.**
Rachel Harrison¹, Alison Krieger¹, Anna Palatnik¹. *Medical College of Wisconsin, Milwaukee, WI, United States.*
- S-191 Long-Term High-Altitude Hypoxia Suppresses Pregnancy-Induced Upregulation of Ca²⁺ Sparks in Ovine Uterine Arteries.**
Xiang-Qun Hu, Chiranjib Dasgupta, Rui Song, Monica Romero, Sean Wilson, Lubo Zhang¹. *Loma Linda University, Loma Linda, CA, United States.*
- S-192 Transcription Factor TFAP2A is Overexpressed in Preeclamptic Decidual Stromal Cells: Implications for Regulation of sFlt1 Expression.**
Charisma Manley¹, Venkataraman Deepakt¹, Anna Knight¹, Alicia K. Smith, Martina L. Badell, Neil Sidell, Augustine Rajakumar¹. *Emory University School of Medicine, Atlanta, GA, United States.*
- S-193 Assessing the Vascular Properties of the Antioxidant Sulforaphane as a Treatment for Preeclampsia.**
Sarah A Marshall¹, Annie Cox¹, Seshini Guruslinghe, Euan M Wallace¹. *The Ritchie Centre, Monash University, Clayton, Australia.*
- S-194 Reduced Sodium Concentration in Placentae from Women with Pre-Eclampsia.**
Paula J Scaife, Lesia O Kurtak, Louise V Briggs, Fiona Broughton Pipkin, David S Gardner, Markus G Mohaupt, Hilan D Mistry¹. *University of Nottingham, Nottingham, United Kingdom.*
- S-195 The Regulation of Trophoblastic p53 Homeostasis by the p38-Wip1 Feedback Loop is Disturbed in Preeclamptic Placenta.**
Bin Tant¹, Ping Xu¹, Yangxi Zheng¹, Hongbo Qi¹, Philip Baker², Chao Tong¹. *¹Chongqing Medical University, Chongqing, China; ²University of Leicester, Leicester, United Kingdom.*
- S-196 Low Birth Weight and Abnormal Prepregnancy Body Mass Index Were at Higher Risk for Hypertensive Disorders of Pregnancy.**
Maiko Wagatani^{1,2}, Tsuchiya Naho¹, Obara Taku¹, Nakaya Naoki¹, Ishikuro Mami¹, Nakamura Tomohiro¹, Metoki Hirohito¹, Hozawa Atsushi¹, Kuriyama Shinichi¹, Yaegashi Nobuo^{4,2}, Sugawara Junichi^{1,2}. *¹Tohoku Medical Megabank Organization, Sendai, Japan; ²Tohoku University Graduate School of Medicine, Sendai, Japan; ³Tohoku Medical and Pharmaceutical University, Sendai, Japan; ⁴Tohoku University, Sendai, Japan.*
- S-197 Arterial Stiffness and Distensibility are Associated with Recurrent Preeclampsia.**
Hannah M Woodruff¹, Ira M Bernstein¹. *Robert Larner, M.D. College of Medicine at the University of Vermont, Burlington, VT, United States.*

Saturday, March 16, 2019 - Poster Session III - Hall Maillot

- S-198 Multiple Factors Analysis of Pregnancy Outcome of Pregnancy Induced Hypertension Complicated with Fetal Growth Restriction.**
Chen Xuan,¹ Hadje Sanda. *The Second Affiliated Hospital of Harbin Medical University, Harbin, China.*
- S-199 Angiogenic Factors during Pregnancy in Asian Women with Elevated Blood Pressure in Early Pregnancy and the Risk of Preeclampsia: A Longitudinal Cohort Study.**
Jing Zhu,¹ Jun Zhang,^{1,2} Mor Jack Ng,² Bernard Chern,² George SH Yeo,² Kok Hian Tan.² *Xinhua Hospital, Shanghai Jiao Tong University School of Medicine, Shanghai, China; ¹KK Women's and Children's Hospital, Singapore, Singapore.*
- S-200 Prevalence of Impaired Placental Bed Spiral Artery Remodeling in Preeclampsia and Fetal Growth Restriction.**
Laura Brouwer,¹ Steffie de Gier,¹ Tatjana E Vogelvang,² Jan HW Veebeek,³ Arie Franx,¹ Peter GJ Nikkels,¹ Bas B van Rijn.¹ *UMC Utrecht, Utrecht, Netherlands; ²Diakonessenhuis, Utrecht, Netherlands.*
- S-201 High Levels of Circulating HtrA4 May Contribute to the Development of Preeclampsia by Cleaving the Main VEGFA Receptor KDR.**
Yao Wang,¹ Mylinh La,² Tam Pham,² Guiying Nie.¹ *¹Hudson Institute of Medical Research, Melbourne, Australia; ²CSIRO, Melbourne, Australia.*
- S-202 Effects of Grape Seed Extract Polyphenols on Uterine and Cerebral Arteries in Pregnant Mice Lacking Endothelial Nitric Oxide Synthase.**
Teresa Tropea,¹ Susan Greenwood,¹ Colin Sibley,¹ Elizabeth Cottrell.¹ *Maternal and Fetal Health Research Centre, University of Manchester, Manchester, United Kingdom.*
- S-203 Progesterone Induced Blocking Factor Improves the Pathophysiology of Preeclampsia in Response to Placental Ischemia during Pregnancy.**
Lorena M Amaral, Jesse N Cottrell,¹ Denise C Cornelius, Mark W Cunningham Jr., Tarek Ibrahim, Venkata Vakati, Babbette LaMarca.¹ *University of Mississippi Medical Center, Jackson, MS, United States.*
- S-204 Peripheral Blood Immune and Stem Cell Subsets Differ between Preeclampsia Cases versus Controls.**
Stephen A McCartney,¹ Raj Shree,¹ Caitlin I Laughney,¹ Angel Y Chae,¹ Nicholas J Maurice,² Judy Allen,² J Lee Nelson,² Hilary S Gammill.¹ *¹University of Washington, Seattle, WA, United States; ²Fred Hutchinson Cancer Research Center, Seattle, WA, United States.*
- S-205 Patterns of Circulating Microparticle Proteins Differ between 12 and 24 Weeks in Preeclampsia.**
Thomas F McElrath,¹ David E Cantonwine,¹ David A Sarracino,² Scott M Peterman,³ Brian Brohman,³ Kevin P Rosenblatt,^{4,5} Brigham and Women's Hospital, Boston, MA, United States; ²Thermo Fisher Scientific, Boston, MA, United States; ³NX Prenatal Inc., Louisville, KY, United States; ⁴University of Texas Health Science Center at Houston, Houston, TX, United States.
- S-206 Clinical Course of Delayed-Onset Postpartum Preeclampsia.**
Emily K Redman,¹ Alisse Hauspurg,¹ Carl A Hubel,² James M Roberts,² Arundhati Jayabalan.¹ *¹ Magee-Womens Hospital of UPMC, Pittsburgh, PA, United States; ² Magee-Womens Research Institute, Pittsburgh, PA, United States.*

REPRODUCTIVE ENDOCRINOLOGY, INFERTILITY

- S-207 Reciprocal IVF: A Road to Reproduction for Lesbian Couples.**
Jody Esquerre,¹ L Grimm,² J. Sehning,² A. Hussain,² E Rosen,² A. Beltsos,² R. Jeelani.¹ *¹Vios Fertility Institute, Chicago, IL, United States.*
- S-208 High Fat Diet Induces Reprometabolic Syndrome in Normal Weight Women.**
Kelsey E. Jones,¹ Katherine Kuhn,¹ Andrew P Bradford,¹ Irene Schauer,^{1,2} Nanelle Santoro.¹ *¹University of Colorado Anschutz Medical Campus, Aurora, CO, United States; ²RMR VA Medical Center, Aurora, CO, United States.*
- S-209 Vitamin D Deficiency Has No Effect on Uterine Volume Correlation with Uterine Hypoplasia.**
Sasha Mikhaleit,¹ Sayed Najeemuddin,² Harry Chazichalaralampou,² Awoniyi Awonuga,² Angela Beltsos,² Roohi Jeelani.² *¹Medical College of Georgia, Augusta, GA, United States; ²Wayne State University, Detroit, MI, United States; ³Vios Fertility, Chicago, IL, United States.*
- S-210 Changes in Anti-Müllerian Hormone and Inhibin B in Children Treated for Cancer.**
Anne-Lotte LF van der Kooij,¹ Marry M. van den Heuvel-Elbrink,² Sjoerd A.A. van den Berg,³ Wendy van Dorp,¹ Saskia M.F. Pluijm,² Joop S.E. Laven.¹ *¹Erasmus MC-University Medical Center Rotterdam, Rotterdam, Netherlands; ²Princess Maxima Center, Utrecht, Netherlands.*
- S-211 Do Trophoblast Biopsies Affect Pregnancy and Neonatal Outcomes Following Cryopreserved-Thawed Embryo Transfers?**
Sophia Bachilovatz,¹ Lisa Ashcraft, Tayyab Rahil, Vida Rastegar, Cynthia K Sites.¹ *University of Massachusetts-Baystate, Springfield, MA, United States.*
- S-212 Is Intramuscular Progesterone Adequate Luteal Support for Women at Risk for Ovarian Hyperstimulation Syndrome When hCG is Withheld.**
Lauren A Bishopt,¹ Micah Hill,² Catherine Clough,³ Kate Devine,² Kevin Richter,² Alan Decherney,² Frank Chang,² NIH, Bethesda, MD, United States; ⁴Walter Reed Medical Center, Bethesda, MD, United States; ⁵Shady Grove Fertility, Rockville, MD, United States.
- S-213 Live Birth Weight and Gestational Age in Fresh vs. Frozen Blastocyst Embryo Transfers.**
M. Blake Evans,¹ Kevin Richter,² William Rallia,³ Micah J. Hill,¹ Alan H. DeCherney,¹ Michael Tucker,² NIH/NICHD, Bethesda, MD, United States; ³Shady Grove Fertility Center, Rockville, MD, United States; ⁴Walter Reed National Military Medical Center, Bethesda, MD, United States.
- S-214 Trilaminar Endometrial Pattern Predicts Live Birth and Pregnancy Complications in Frozen Embryo Transfer Cycles.**
Y Florest,¹ S Bjorkman, D Kelk, N Kodaman, P Kodaman.¹ *Yale School of Medicine, New Haven, CT, United States.*
- S-215 Impact of Obesity on Embryo Morphokinetics using Time-Lapse Imaging.**
Anne P Hutchinson,¹ Dana Krimelman, Rafael Confino, John Zhang, Christina E Boots, Mary Ellen Pavone.¹ *Northwestern, Chicago, IL, United States.*
- S-216 Having Supernumerary Embryos Significantly Improves Chances of Live Birth Following an IVF Cycle and This Increase is Influenced by Several Patient Factors.**
Yatunde Ibrahim,¹ Gregory Stoddard, Erica Johnstone.¹ *University of Utah, School of Medicine, Salt Lake City, UT, United States.*

Saturday, March 16, 2019 - Poster Session III - Hall Maillot

- S-217 Lower BHCg and Estradiol Levels in Early Pregnancy after IVF Are Associated with Stillbirth.**
Robert Setton†, Lili Zimmerman, Zev Rosenwaks, Steven Spandorfer. Weill Cornell Medicine, New York, NY, United States.
- S-218 The Genetic Architecture of Endometriosis.**
Kenneth Ward, Hans M Albertsen, Rakesh Chettier. Juneau Biosciences, LLC, Salt Lake City, UT, United States.*
- S-219 Effect of Controlled Ovarian Stimulation on White Blood Cell Count in Polycystic Ovary Syndrome Patients.**
Eugenia Allevat†, Laura Privitera, Valeria Stella Vanni, Luca Pagliardini, Enrico Papaleo. San Raffaele Hospital, Milano, Italy.
- S-220 Effect of Aqueous Extract of Bauhinia Sp. on a Murine Model of Polycystic Ovary Syndrome.**
Juan Carlos Flores-Alonso, Irma Fabiola Dominguez Aviles*, Maria Guadalupe Delgado López*, Karina Lara Cruz†, Leocadia Nicolas Andres†, Maria del Rosario Sanchez Romero†. Instituto Mexicano del Seguro Social, Atlixco, Mexico.*
- S-221 Preclinical and Clinical Development of the Highly Selective and Potent Androgen Receptor Antagonist BAY 1161116 for Polycystic Ovary Syndrome.**
Flavio Ewerton, Duy Nguyen, Nubbenmeyer Reinhard, Niladri Chattopadhyay, Andrea Wagenfeld, Thomas M. Zollner, Gesa Deeg, Martin Fritsch. Bayer AG, Berlin, Germany.*
- S-222 Alpha-Lipoic Acid May Improve the Clinical, Endocrine and Metabolic Features of Polycystic Ovary Syndrome through an Insulin-Sensitizing Effect and an Antioxidant Action.**
Anna Tropea, Elisa Scarinci*, Giovanna Notaristefano†, Simona De Cicco*, Simone Michele Fabozzi†, Ornella Alessiani*, Antonio Lanzoni*, Rosanna Apa*. Università Cattolica del Sacro Cuore Roma, Roma, Italy.*
- S-223 Prenatal Androgen Excess Transforms the Transcriptome of Neonatal Mouse Ovaries.**
Liubin Yang†, Pardis Hosseinzadeh†, Maya Barsky†, Blesson Chellakkann Selvanesan. Baylor College of Medicine, Houston, TX, United States.*
- S-224 Impact on Climacteric Vasomotor Score of Behavior Change Attributed to Access to Standardized Menopause-Related Quality of Life Scores vs. Doctor's Influence.**
Timothy D Dye, Miriam T. Weber, Morley Christopher, Ivelisse Rivera, James R Woods. University of Rochester, Rochester, NY, United States; SUNY Upstate Medical University, Syracuse, NY, United States.*
- S-225 Oocyte Cryopreservation in Women with DOCK8 Deficiency.**
Olivia J. Carpinello†, Steven A. Gay, Jessica Zolton†, Kristen Cole, Alexandra Freeman, Nirali Shah, Steven Holland, Dennis Hickstein, Michal J. Hill, Alan H. DeCherney. NIH, Bethesda, MD, United States.*
- S-226 Oocyte Disposition Preferences: A Comparison of Medical and Social Fertility Preservation Patients.**
Anne P. Hutchinson†, Rafael Confino, John Zhang, Susan C. Klock, Angela K. Lawson, Mary Ellen Pavone, Mary Ellen Pavone. Northwestern, Chicago, IL, United States.*
- REPRODUCTIVE BIOLOGY**
- S-227 Preclinical Evaluation of a New Clinically Applicable Device for Embryo Oxygen Consumption Rate Measurement Using Animal Model.**
Takashi Kuno†, Masahito Tachibana, Ayako Sato Fujimine†, Keiko Higashi†, Saori Igeta†, Keiko Tanaka†, Emi Yokoyama†, Masumi Ishibashi*, Zen Watanabe*, Naomi Shiga*, Nobuo Yaegashi*. Tohoku University Graduate School of Medicine, Sendai, Japan.*
- S-228 Lesion Development in Endometriosis is Regulated by miR-223 Mediated Macrophage Activity.**
Kavita Panig†, John E. Schjenken, Jimmy Breen*, Erin Greaves*, Sarah A. Robertson*, M. Louise Hull*. Robinson Research Institute, The University of Adelaide, Adelaide, Australia; The University of Edinburgh, Edinburgh, United Kingdom.*
- S-229 Notch Activation Promotes Migration of Human Trophoblast Cells.**
Barry E. Perlman†, Salma Begum†, Tracy Wu†, Sara S. Morelli†, Carrie J. Shawber†, Natsuki C. Douglas†. Rutgers-New Jersey Medical Center, Newark, NJ, United States; Columbia University, Newark, NY, United States.
- S-230 Predicting Ectopic Pregnancy: A Novel High-Throughput Method of Discriminating Early Pregnancy Outcome.**
Suneeta Senapati, Mary D. Sammel, Kurt T. Barnhart, Nathanael B. Koelper, Justine Jou. University of Pennsylvania, Philadelphia, PA, United States.
- S-231 Genetic Predictive Factors of the Quality of the Blastocyst: Mosaicism and Euploid Rate.**
Laura Corti†, Greta Chiala Cermisont†, Ana Maria Sanchez, Alessandra Altieri†, Luca Pagliardini†, Francesca Spinella†, Ettore Cotroneo*, Francesco Fiorentino*, Enrico Papaleo*, Paola Viganò*. Obstetrics and Gynaecology Department-San Raffaele Scientific Institute, Milan, Italy; Division of Genetics and Cell Biology, San Raffaele Scientific Institute, Milan, Italy; Molecular Genetics Laboratories, GENOMA Group, Rome, Italy.*
- S-232 Effects of Uterine Cells-Conditioned Media on Expression of DNMT3B and DNMT3C in Mouse Embryos Cultured in a Microfluidic Device.**
Vanessa Mancini, Jianping Lu, Francesco Colucci, Paul J. McKeegan, John D. Huntress, Helen M. Picton, Virginia Pensabene. University of Leeds, Leeds, United Kingdom.
- S-233 Effect of Preconceptional Maternal Western Diet Intake on Neural Tube Closure Defects in Lipoprotein Receptor SR-B1 Deficient Embryos: Contribution of Oxidative Stress and Vitamin E Bioavailability.**
Alonso Quiroz†, Fujiko Saavedra, Attilio Rigotti, Dolores Busso. Pontificia Universidad Católica de Chile., RM, Chile.
- S-234 Eicosanoid Enzyme Gene Expression Profiling in an In Vitro Co-Culture Model of Maternal-Fetal Communication.**
Fatema B. Almuhammad†, Yong Q. Koh†, Hassendri N. Peiris, Kanchan Vaswani*, Renuka Sekar*, Akwasi A. Amoako*, Sailesh Kumar*, Murray D. Mitchell*. University of Queensland, Brisbane, Australia; Queensland University of Technology, Brisbane, Australia; Royal Brisbane & Women's Hospital, Brisbane, Australia; Mater Research Institute, Brisbane, Australia; Mater Health Services, Brisbane, Australia.*
- S-235 High-Throughput Single-Cell RNA-Seq Analysis of the Mid-Luteal Human Endometrium.**
Maria M. Diniz da Costa†, Emma S. Lucas†, Pavle Vrljick†, Chow S. Kong†, Katherine Fishwick†, Sascha Ott, Jan J. Brosens*. University of Warwick, Coventry, United Kingdom.*

Saturday, March 16, 2019 - Poster Session III - Hall Maillot

- S-236 Impact of Intrauterine Haematoma on Pregnancy Outcomes.**
Maya Al-Memari,¹ Thibaut Vaulet,² Hanine Fouriet,¹ Bart De Moor,² Philip Bennet,¹ Dirk Timmerman,¹ Tom Bourne,¹ ¹Imperial College, London, United Kingdom; ²KU Leuven, Leuven, Belgium.
- S-237 The Role of Inflammatory Mediators in the Regulation of Endometrial IGFBP-1 Production in Primates.**
Muruganandan Shanmugam,¹ Margaret Bruce, Sabita Dhal, Karen Wheeler, Nihar Nayak. *Wayne State University, Detroit, MI, United States.*
- S-238 The Roles of GATA2 and PGR in Endometrial Stromal Cells during Decidualization.**
Amanda Kohlmeier,¹ Christa Angela M Sison, Bahar Yilmaz, Matthew T Dyson, Serdar E Bulun.¹ *Northwestern University, Chicago, IL, United States.*
- S-239 Expression, Regulation and Roles of PGRMC1 in the Human Endometrium and in Endometriosis.**
Charlotte Thieffry, Mauriane Majat, Asena Aynacı, Lavinia Ragusi, Etienne Marbaix, Patrick Henriet.¹ *Université Catholique de Louvain, Brussels, Belgium.*
- S-240 Cell Phenotype Switching in the Endometrium: The Role of TRP Channels.**
Charlotte Van den Eynde,¹ Katrien De Clercq, Aurélie Hennes, Hugo Vankelecom, Joris Vriens.¹ *KU Leuven, Leuven, Belgium.*
- S-241 Transcriptional Analysis of the Interaction between the Trophoblast and the Receptive vs. Non-Receptive Endometrial Epithelium: An In Vitro Model of Human Implantation.**
Paula Vergara Varela,¹ Gustavo Tiscornia,¹ Rodriguez Amelia,¹ Santalo Josep,² Vassena Rita.¹ *Clinica Eugén, Barcelona, Spain; ²Universitat Autònoma de Barcelona, Barcelona, Spain.*
- S-242 Functional Expression of the Mechanosensitive PIEZO1 Channel in Endometrial Epithelial Cells of Mouse and Human.**
Aurélienne Hennes, Kathi Heldt, Charlotte Van den Eynde, Nele Van Ranst, Arne Van Hiet, Karen Peeraer, Carla Tomassetti, Thomas Voets,¹ Joris Vriens.¹ *KU Leuven, Leuven, Belgium.*
- S-243 Towards Cell Therapy of Premature Ovarian Insufficiency: Human Bone Marrow Mesenchymal Stem Cells Secrete Enhances Angiogenesis in Human Ovarian Microvascular Endothelial Cells.**
Dalia Ashour,¹ Amro Elsharoudt, Nahed Ismail,¹ Ayman Al-Hendy,¹ Abdeljabar El Andaloussi.¹ *UIC, Chicago, IL, United States.*
- S-244 Endogenous Mediator of Inflammation in Preovulatory Follicles : Role of HMGB1.**
Virginie Gaudreault,^{1,2} Anthony Estienne,^{3,1} Christopher Price,^{3,1} Sylvie Girard,^{2,1} ¹Université de Montréal, Montréal, QC, Canada; ²CHU Sainte-Justine Research Center, Montréal, QC, Canada; ³Centre de Recherche en Reproduction et Fertilité, Montréal, QC, Canada.
- S-245 AMH vs. Age: Who Trumps Who in Predicting Chromosomal Aneuploidy?**
Karine Matevosian,¹ Britanni Steinberg,² Lauren Grimm,² Anisa Hussain,² Elizabeth Rosen,² Jacqueline Sehnring,² Ruchi Amin,² Roohi Jeelani,² Angeline Beltsos,² ¹Advocate Lutheran General Hospital, Chicago, IL, United States; ²Vios Fertility Institute, Chicago, IL, United States; ³Wayne State University, Chicago, IL, United States.
- S-246 The Ovarian Transcriptome: A Dynamic Process during Aging.**
Mia Pattillo,¹ Lynae Brayboy,² Haley Clark,² Zijiang Zhang,² Gary Wessell,¹ ¹Brown University, Providence, RI, United States; ²Women & Infants Hospital of Rhode Island, Alpert Medical School, Providence, RI, United States.
- S-247 Transcriptomic Changes and Paracrine Factors Involved in Ovarian Rejuvenation Induced by Stem Cell.**
Livia Pellegri,¹ Anna Buigues,² Patricia Sebastian-Leon,² Patricia Diaz-Gimeno,² Antonio Pellicer,¹ Sonia Henraiz,¹ ¹Fundación IVI, Valencia, Spain; ²Fundación IVI-University of Valencia, Valencia, Spain; ³Fundación IVI-INCLIVA, Valencia, Spain; ⁴IVI-RMA Rome, Rome, Spain.
- S-248 Investigating Macrophage Heterogeneity in Endometrial Repair and Remodelling.**
Douglas A Gibson,¹ Phoebe M Kirkwood,¹ Olympia Kelepouri,¹ Philippa TK Saunders.¹ *University of Edinburgh, Edinburgh, United Kingdom.*
- S-249 SNPs (Single Nucleotide Polymorphisms) Influence on Genes Encoding Cytokines Involved in the Endometriosis Immune Process: A New Screening Test.**
Sara A Mohamed,¹ Sherif M El-Sherbini,¹ Ahmed Al-Zayadi,¹ Farha El-Chennawi,¹ Ahmed Badawy.¹ ¹Mansoura Faculty of Medicine, Mansoura, Egypt; ²Al-Sadat University, Cairo, Egypt.
- S-250 Oxygen Tension as Regulator of Uterine ILC3 Biology.**
Damian O Muzzio,¹ Rebekka Eikenkel,¹ Jens Ehrhardt, Marek Zygmunt.¹ *Medical University of Greifswald, Greifswald, Germany.*
- S-251 Viral ssRNA and Viral dsRNA Differentially Modulate Human Trophoblast Responses to Antiphospholipid Antibodies.**
Rachel A Nelson,¹ Jane E Salmon,² Lawrence W Chamley,¹ Vikki M Abrahams.¹ ¹Yale School of Medicine, New Haven, CT, United States; ²Hospital for Special Surgery, New York, NY, United States; ³University of Auckland, Auckland, New Zealand.
- S-252 T-Cell Receptor Diversity in T-Reg from Normal Longitudinal Pregnancies and Preeclampsia Cases.**
Raj Shree,¹ Stephen McCartney,¹ Nicholas Maurice,¹ Judy Allen,² J. Lee Nelson,¹ Martin Pric,¹ Hilary S Gammill.¹ ¹U of Washington, Seattle, WA, United States; ²Fred Hutch Cancer Research Center, Seattle, WA, United States; ³U of Washington, Fred Hutch Cancer Research Center, Seattle, WA, United States.
- S-253 Progesterone Polyfunctional Properties of Novel Decidual Innate Lymphoid Cells.**
Jessica Vazquez,¹ Aleksandar Stanic.¹ *University of Wisconsin-Madison, Madison, WI, United States.*
- S-254 Oogonial Stem Cell Subpopulations Exhibit Differences in Meiotic Potential and Persistence in Aging Mouse Ovaries.**
Julie A MacDonald,¹ Dori C. Woods, Jonathan L Tilly.¹ *Northwestern University, Boston, MA, United States.*
- S-255 Endometrial Mesenchymal Stem/Stromal Cell Modulation of T Cell Proliferation.**
Caroline E. Gargett,^{1,2} Xiaojing Yang,¹ Meivita Devianti,¹ Wang H Yuan,² Yih R Ong,¹ Ker Sin Tan,¹ Shanti Gurung,¹ Jean Tan,¹ Dandan Zhu,¹ Rebecca Lim,¹ James A Deane,^{1,2} ¹Hudson Institute of Medical Research, Clayton, Australia; ²Monash University, Clayton, Australia.

Saturday, March 16, 2019 - Poster Session III - Hall Maillot

- S-256 Gestational Diabetes is Associated with Fetal Endothelial Progenitor Cells Impairment.**
Hayan Kwon,^{1,2} Yejin Park,¹ Yun Ji Jung,¹ Hanoli Pi,¹ Yong-Sun Maeng,¹ Ja-Young Kwon,¹ ¹Institute of Women's Medical Life Science, Placenta-Derived Stem Cell Genomic Research Lab, Yonsei University College of Medicine, Seoul, Korea, Republic of; ²Dongguk University Ilsan Hospital, Dongguk University College of Medicine, Goyang-si, Korea, Republic of.
- S-257 Biomimetic Coatings from Decellularized Rabbit Endometrium Influence the In Vitro Development of Pre-implantation Embryos.**
Hannes Campo,¹ Ximo Garcia-Dominguez,² Sara López-Martínez,¹ Jose Salvador Vicente Antón,² Francisco Marco-Jiménez,² Irene Cervelló,¹ ¹IVI Foundation, Valencia, Spain; ²Instituto de Ciencia y Tecnología Animal, Universidad Politécnica de Valencia, Valencia, Spain.
- S-258 A Novel Target to Diminish and/or Delete Uterine Leiomyomas.**
Graciela Krikun, Carmen J Booth. Yale University, New Haven, CT, United States.
- S-259 mTert Promoter Activity Identifies Telomerase-Expressing Immune Cells in the Endometrium in a Mouse Model of Endometrial Repair and Remodelling.**
Caroline E. Gargett,^{1,2} Fiona L Cousins,^{1,2} James A Deane,^{1,2} ¹Hudson Institute of Medical Research, Clayton, Australia; ²Monash University, Clayton, Australia.
- S-264 Incidence of Preeclampsia among Women Using Proton Pump Inhibitors during Pregnancy & A Swedish Population Register Based Cohort Study.**
Rozaane Haslett,^{1,2} Bergman Lina,^{1,4} Catherine Oliver,¹ Susan P Walker,¹ Anna-Karin Wikström,³ Stephen Tong,^{1,2} Susanne Hesselman,^{3,4} ¹University of Melbourne, Heidelberg, Australia; ²Mercy Perinatal, Heidelberg, Australia; ³Uppsala University, Uppsala, Sweden; ⁴Center for Clinical Research, Falun, Sweden; ⁵Stellenbosch University, Cape Town, South Africa.
- S-265 Plasma Concentration of Perfluoroalkyl Substances and Risk of Idiopathic Recurrent Spontaneous Abortion: A Multicenter Case-Control Study in China.**
Xiaona Huo,¹ Kai Luo,^{1,2} Jiangfeng Ye,¹ Lin Chen,¹ Fei Luo,^{1,2} Ruxiangli Aimuzi,^{1,2} Dajin Li,¹ Shihua Bao,¹ Jun Zhang,^{1,2} ¹MOE-Shanghai Key Laboratory of Children's Environmental Health, Xinhua Hospital, Shanghai Jiao Tong University School of Medicine, Shanghai, China; ²School of Public Health, Shanghai Jiao Tong University School of Medicine, Shanghai, China; ³Fudan University Obstetrics and Gynecology Hospital, Shanghai, China; ⁴Hospital and Institute of Obstetrics & Gynecology, Fudan University, Shanghai, China; ⁵Shanghai First Maternity and Infant Hospital, Tongji University School of Medicine, Shanghai, China.
- S-266 Racial Disparities in Maternal and Neonatal Morbidity Among College-Educated Women.**
Adina Kern-Goldberger,¹ Nigel Madden,¹ Caitlin Baptiste,¹ Alexander Friedman, Cynthia Gyamfi-Bannerman,¹ ¹Columbia University Irving Medical Center, New York, NY, United States.
- S-267 Prenatal Maternal Stress and Risk of Neurodevelopmental Disorders in the Offspring: A Systematic Review and Meta-Analysis.**
Nicla Manzari,^{1,2} Karen Matvienko-Sikar,² Franco Baldoni,¹ Gerard W O'Keefe,² Ali S Khoshdel,^{2,2} ¹University of Bologna, Bologna, Italy; ²University College Cork, Cork, Ireland.
- S-268 Does Obesity in Term Pregnancies Increase or Reduce Risk of Placental Inflammation?**
Alexander Layden,¹ Tony Parks,² Janet Catov,¹ ¹University of Pittsburgh, Pittsburgh, PA, United States; ²University of Toronto, Toronto, ON, Canada.
- S-269 Data-Driven Queries between Medications and Spontaneous Preterm Birth among 2.5 Million Pregnancies: Association with Genital Herpes and Antiviral Drugs.**
Ivana Matic, Evgeniya Borisenko, Virginia D Winn, Kari A Weber, Ronald J Wong, Natali Aziz, Yair J Blumenfeld, Yasser Y El-Sayed, David K Stevenson, Gary M Shaw. Stanford University, Stanford, CA, United States.
- S-270 Analysis of the High Preterm Birth Rate in the U.S.**
Amber T Olson,^{1,2} Spencer McClelland,² Maria Teresa Benedetto-Anzai,² Alan A Arslan,² Teresa Cheon,² Yuzuru Anzai,² ¹The University of Chicago, Chicago, IL, United States; ²New York University Langone Medical Center, New York, NY, United States.
- S-271 Risk Factors for Preterm Birth: A Global Analysis.**
Amber T Olson,^{1,2} Spencer McClelland,² Maria Teresa Benedetto-Anzai,² Alan A Arslan,² Teresa Cheon,² Yuzuru Anzai,² ¹The University of Chicago, Chicago, IL, United States; ²New York University Langone Medical Center, New York, NY, United States.
- S-272 Women's Anti-Müllerian Hormone Levels Predict Female General Health Status: A Cross-Sectional Study.**
Valeria S Vanni,¹ Maria Longo,² Alessia Limenat,¹ Veronica Saraiat,¹ Diana Del Pratot,¹ Eugenio Ventimiglia,¹ Andrea Salonia,¹ Paola Viganò,¹ Enrico Papaleo.¹ ¹IRCCS San Raffaele Hospital, Milan, Italy.

EPIDEMIOLOGY, POPULATION HEALTH & GLOBAL HEALTH

- S-260 Maternal Urinary Trace Metals and Plasma Inflammatory Biomarkers during Pregnancy.**
Max T Aung,¹ John D Meeker,¹ Jonathan Bossé,¹ Kelly M Bakulski,¹ Bhramar Mukherjee,¹ David E Cantonwine,² Thomas F McElrath,² Kelly K Ferguson,³ ¹University of Michigan, Ann Arbor, MI, United States; ²Harvard Medical School, Cambridge, MA, United States; ³National Institute of Environmental Health Sciences, Research Triangle, NC, United States.
- S-261 Adverse Pregnancy Outcomes and Long-Term Risk of Maternal Renal Disease: A Systematic Review and Meta-Analysis.**
Peter Barrett,¹ Fergus McCarthy,¹ Karolina Kubickiene,² Marie Evans,² Sarah Cormican,² Connor Judge,³ Ivan J Perry,¹ Marius Kubickas,² Peter Stenvinkel,² Ali Khshan,¹ ¹University College Cork, Cork, Ireland; ²Karolinska Institutet, Stockholm, Sweden; ³Galway University Hospital, Galway, Ireland.
- S-262 Association of Changes in Gestational Age and Twin Perinatal Mortality in the United States, 2000-2015.**
Hadi Erfanji,¹ Amir A Shamsiriaz,¹ Candee V Ananth,² Anthony M Vintzileos,³ Steven L Clark,¹ Michael A Belfort,¹ Alireza A Shamsiriaz,¹ ¹Baylor College of Medicine, Houston, TX, United States; ²Columbia University College of Physicians and Surgeons, New York, NY, United States; ³New York University-Winthrop University Hospital, New York, NY, United States.
- S-263 Placental Pathology as a Mediator of the Association between Socioeconomic Status and Adverse Birth Outcomes.**
Alexa Freedman,¹ Gregory Miller,¹ Lauren Keenan-Devlin,² Linda Ernst,² Ann Borders,² ¹Northwestern University, Evanston, IL, United States; ²NorthShore University HealthSystem, University of Chicago Pritzker School of Medicine, Evanston, IL, United States; ³NorthShore University HealthSystem, Evanston, IL, United States.

Oral and Poster Abstract Author Index

Plenary/Oral Sessions	Abstract Numbers	Program Pages
Thursday, March 14, 2019, 9:00 AM-10:00 AM		
President's New Investigator Plenary	0-001 – 0-004	23
Thursday, March 14, 2019, 4:00 PM-6:00 PM		
Clinical Perinatology I	0-005 – 0-012	27 - 28
Gynecology I	0-013 – 0-020	28 - 29
Maternal Biology and Health	0-021 – 0-028	29 - 30
Parturition I	0-029 – 0-036	30 - 31
Preeclampsia I	0-037 – 0-044	31 - 32
Reproductive Biology I	0-045 – 0-052	32 - 33
Friday, March 15, 2019, 11:00 AM-12:30 PM		
Developmental Programming I	0-053 – 0-058	34 - 35
Fetus I	0-059 – 0-064	35 - 36
Gynecology II	0-065 – 0-070	36
Parturition II	0-071 – 0-076	36 - 37
Placenta I	0-077 – 0-082	37 - 38
Reproductive Endocrinology I	0-083 – 0-088	38 - 39
Friday, March 15, 2019, 4:30 PM-6:00 PM		
Clinical Perinatology II	0-089 – 0-094	42
Developmental Programming II	0-095 – 0-100	43
Epidemiology and Global Health	0-101 – 0-106	43 - 44
Placenta II	0-107 – 0-112	44 - 45
Reproductive Biology II	0-113 – 0-118	45 - 46
Reproductive Endocrinology II	0-119 – 0-124	46
Saturday, March 16, 2019, 10:00 AM-11:30 AM		
Fetus II	0-125 – 0-130	48
Gynecologic Oncology	0-131 – 0-136	49
Parturition III	0-137 – 0-142	49 - 50
Placenta III	0-143 – 0-148	50 - 51
Preeclampsia II	0-149 – 0-154	51 - 52
Reproductive Biology III	0-155 – 0-160	52 - 53

Oral and Poster Abstract Author Index

Poster Sessions	Abstract Numbers	Program Pages
Thursday, March 14, 2019, 10:00 AM-12:00 PM		
Basic Parturition, Prematurity	T-001 – T-032	62 - 63
Gynecology	T-033 – T-055	63 - 65
Clinical Perinatology	T-056 – T-082	65 - 66
Developmental Programming	T-083 – T-100	66 - 67
Fetus	T-101 – T-120	67 - 68
Gynecologic Oncology	T-121 – T-125	68
Maternal Health	T-126 – T-142	68 - 69
Placenta	T-143 – T-178	69 - 71
Hypertension in Pregnancy	T-179 – T-207	71 - 73
Reproductive Endocrinology, Infertility	T-208 – T-227	73 - 74
Reproductive Biology	T-228 – T-258	74 - 75
Epidemiology, Population Health & Global Health	T-259 – T-272	76
Friday, March 15, 2019, 9:00 AM-11:00 AM		
Basic Parturition, Prematurity	F-001 – F-032	77 - 78
Gynecology	F-033 – F-055	78 - 79
Clinical Perinatology	F-056 – F-083	80 - 81
Developmental Programming	F-084 – F-101	81 - 82
Fetus	F-102 – F-121	82 - 83
Gynecologic Oncology	F-122 – F-125	84
Maternal Health	F-126 – F-141	84 - 85
Placenta	F-142 – F-176	85 - 87
Hypertension in Pregnancy	F-177 – F-206	87 - 88
Reproductive Endocrinology, Infertility	F-207 – F-225	88 - 89
Reproductive Biology	F-226 – F-257	89 - 91
Epidemiology, Population Health & Global Health	F-258 – F-270	91 - 92

Oral and Poster Abstract Author Index

Saturday, March 16, 2019, 8:00 AM-10:00 AM		
Basic Parturition, Prematurity	S-001 – S-031	93 - 94
Gynecology	S-032 – S-054	94 - 95
Clinical Perinatology	S-055 – S-081	95 - 97
Developmental Programming	S-082 – S-099	97 - 98
Fetus	S-100 – S-119	98 - 99
Gynecologic Oncology	S-120 – S-124	99 - 100
Maternal Health	S-125 – S-141	100
Placenta	S-142 – S-177	101 - 102
Hypertension in Pregnancy	S-178 – S-206	102 - 104
Reproductive Endocrinology, Infertility	S-207 – S-226	104 - 105
Reproductive Biology	S-227 – S-259	105 - 107
Epidemiology, Population Health & Global Health	S-260 – S-272	107

Oral and Poster Abstract Author Index

Aagaard, Kjersti	F-004	Alana, Nicholas	T-116	Amelia, Rodriguez	S-241	Anumba, D.O.C.	O-135
Abatti, Luis E.	S-027	AlAshqar, Abdelrahman		Amin, R.	T-070	Anumba, Dilly O.	F-007
Abbas, Yassen	O-079		S-045	Amin, Ruchi	F-208, S-245,		S-008, F-008, S-009,
Abdelgawad, Mohamed O.		Albertine, Kurt	O-054		T-264		T-030
	F-042	Albertsen, Hans	O-017	Amini, Peyvand	S-003,	Anzai, Yuzuru	S-125, F-127,
Abell, Chris	F-174	Albetsen, Hans M.	O-020,		S-018		S-270, S-271
Abheiden, Carolien	T-198		S-218	Amit, Ido	O-158	Anzueto, Diana	T-116
Abi Nahed, Roland	T-124	Albetsen, Hans M	T-045	Amjad, Sana	T-259	Apa, Rosanna	S-222
Abrahams, Vikki M.	S-251	Al Dulaimi, Marwah	F-191	Amoako, Akwasi A.	F-003,	Aplin, John D.	F-148
Abrahante, Juan E.	F-170	Aleman, Alejandro	O-052		S-007, S-234	APrON Study Team	T-187
Abrão, Mauricio S.	F-234	Alesiani, Ornella	S-222	Ananth, Cande V.	S-262	Arcuri, Felice	F-237, T-240
Abu-Soud, Husam M.		Alexandroni, Heli	S-020	Anchan, Christopher J.		Arenas, Juliana	F-067
	F-226, F-231	Alfaidy, Nadia	T-124		T-257	Arifman, Riikka K.	O-119
Acharya, Kelly S.	O-084	Alharbi, Mona G.	F-122	Anchan, Raymond M.	T-257	Arian, Sara	O-048, T-243
Acharya, Priyanka	F-059	Al-Hendy, Ayman	F-047,	Ancira-Moreno, Mónica		Arisemendi, Jaquel	T-049
Ackerman, Christina M.			O-099, O-131, F-220,	Montserrat	T-093	Arita, Yuko	F-011, F-012,
	S-143		S-243, T-249, T-256	Anders, Nicole	T-016		T-172
Ackley, Elizabeth	S-143	Ali, Asghar	F-150	Andersen, Louise B.	F-178	Armant, D Randall	T-154
Acton, Anthony J.	O-121,	Ali, Mohamed	F-047, O-099	Andersen, Louise Bjørkholm		Armant, D. Randall	F-154
	T-222	Aliota, M	F-230		T-180	Aronoff, David M.	O-029
Acuña-Gallardo, Stephanie		Aljunaidy, MM	O-129	Andersen, Marianne S.		Arruda, Luciana B.	S-166
	S-178	Al-Khan, Abdulla	T-057,		F-178	Arslan, Alan	S-125, F-127
Adam, E.	T-069		T-153, T-178	Andersen, Marianne		Arslan, Alan A.	S-270,
Adam, Emma	S-077	Alkon, Tamar	F-241	Skovsager	T-180		S-271
Adami, Rebecca R.	F-177	Allen, Judy	T-189, S-204,	Anderson, Matthew L.		Artyomov, Maxim N.	F-141
Adams, Crystal L.	T-121		S-252		F-032, O-065	Ashcraft, Lisa	S-211
Adams, Marci G.	S-068	Alleva, Eugenia	T-218,	Anderson, Miranda S.	O-083,	Ashton, Dalia	S-243
Adams, Marie	T-051		S-219		F-109, F-110	Ashour, Nick	F-164
Adams Waldorf, Kristina		Allison, B. J.	T-196	Anderson, Miranda J.		Assibey-Mensah, Vanessa	
	O-001	Allison, Beth J.	S-116		O-056, F-088, O-128,		O-101, T-195
Adan, Malko	T-014	Allshouse, Amanda A.	S-072		F-162	Atalyan, Alina	F-216
Adank, Maria C.	F-160	Al-Memar, Maya	F-014,	Anderson, MJ	O-063	Atkinson, David	O-148
Adeoye, Olayemi O.	T-114		S-236	Anderson, Richard A.	O-159	Atsushi, Hozawa	S-196
Adibi, Jennifer J.	S-099	Almughliq, Fatema B.		Andersson, Sture	F-116	Auburn, Helen	T-248
Adkins, Katlynn	T-061,		F-003, S-007, S-234,	Andhey, Prabhakar S.	F-141	Aughwane, Rosalind	O-148
	F-062		T-242	Ando, Kazuo	F-186	Aung, Max T.	S-260
Afink, Gijs	F-155, T-179	Alqurashi, Maha	T-014,	Ando, Tomoko	T-147	Avci, Recep	S-100, T-112
Agarwal, Rahul	O-119		T-015	Andrade, Cherley B.	S-166	Avina, Monika	F-021
Aghacepour, Nima	F-186	Alsebaa, Fatimah	O-061	Andrew, Ruth	S-064	Avraham, Dana	S-020
Agwu, Chinedu	S-179	Alshawabkeh, Akram	T-261	Andrews, Nick	O-066	Awonuga, Awoniyi	S-209,
Ahmad, Syed F.	T-036	Altayyeb, Ahmad	F-042	Andrews, Philip	T-224		F-226, F-231
Ahmed, Saqa	O-034	Altenburger, Veronika	F-040	Andrews, Walker	O-051	Axelrod, Michal	T-214
Ahmed-Salim, Yousra	T-163	Alteri, Alessandra	O-088,	Andrikopoulou, Maria	S-180	Aye, Irving	O-145
Aiken, C. E.	F-262		S-231	Anelli, Gaia M.	T-215	Aykroyd, Bethany R.	F-168
Aimuzi, Ruxianguli	S-265	Alvarez, Manuel	T-057,	Anelli, Tiziana	O-045	Aynaci, Asena	S-239
Aisemberg, Julieta	F-017		T-178	Ang, Qi W.	F-270	Aziz, Natali	S-269
Ajgaonkar, Sandeep	S-019	Alvarez-Perez, Jesus	T-057,	Angeli, Giavanna L.	F-268	Baart, Esther	F-232
Akaeda, Shun	F-233		T-178	Angelina Jeba Malar,		Baart, Esther B.	T-095
Akcaay, Yasemin	F-035	Alvira, Cristina M.	O-137	Abraham	T-203	Babcock Gilbert, Sara	F-242
Akdemir, Ali	F-035	Aly, Jasmine	S-048, T-049	Angst, Martin S.	F-186	Bachilova, Sophia	S-211
Akel, Ruba A.	T-226	Al-Zayadi, Ahmed	S-249	Anemiecke, Hoek	F-250	Bacon, Wendi A.	F-174
Akers, Rachel	T-015	Amabebe, Emmanuel	F-007,	Anteby, Matan	T-076, T-077	Baczky, Dora	F-146
Akiyama, Megumi	S-066		S-008, F-008, S-009	Anthony, Russell V.	F-150	Badawy, Ahmed	S-249
Akter Urmii, Shaheda	F-263	AMANHI Consortium		Antinao-Diaz, Juan	S-017	Badell, Martina L.	S-192
Akwasi, Amoako A.	T-242		O-072	Antolic, AT	O-063	Badell, Martina L.	T-192
Alahakoon, Indika	F-202	Amaral, Lorena	T-204	Antonucci, Ivana	T-258	Badillo Rivera, Keyla M.	
Alahari, Sruthi	O-039, S-154	Amaral, Lorena M.	S-203	Antoun, Eli	T-086		F-159
Alam, S.M. Khorshed	F-191	Amazu, Chinwendu	F-006,	Anucha, Eberechi	O-030	Badreldin, Nevert	S-072
Alamá, Pilar	O-018		T-229	Anukriti, Sharma	T-249	Baer, Christina	S-031

Publication Number Prefix Key

Oral Presentations

O-001 - 052 = **Thursday** Oral Presentations

O-053 - 124 = **Friday** Oral Presentations

O-125 - 160 = **Saturday** Oral Presentations

Poster Presentations

T-001 - 220 = **Thursday** Presentations

F-001 - 221 = **Friday** Presentations

S-001 - 221 = **Saturday** Presentations

Oral and Poster Abstract Author Index

Baffigil, Cemsel	S-120	Barrow, David A.	S-067	Benedetto-Anzai, Maria		Bienvenue-Pariseault,	
Bahl, R	O-072	Bar Shavit, Rachel	S-155	Teresa	S-125, F-127,	Josianne	F-142
Bahtiyar, Mert O.	S-143	Barsky, Maya	F-218, F-221,		S-270, S-271	Bierle, Craig J.	F-170
Bailey, Beth	F-112		S-223	Benharouga, Mohamed		bij de Weg, Jeske	T-198
Bainbridge, Alan	O-148	Bartha, Jose Luis	S-001		T-124	Bijl, Rianne C.	F-131
Bainbridge, Shannon	T-177	Barton, John	S-182, F-188	Bennett, Kelly A.	S-022	Bijma, Hilmar H.	O-098
Baines, Kelly J.	O-111	Baruch, Yoav	F-266	Bennett, Phillip	F-140,	Bilbo, Staci D.	O-095
Baird, Donna D.	T-052	Basky, Thilaganathan	F-134		S-236	Binder, Julia	F-134
Baker, Bernadette	T-073,	Basu, Jayasri	T-185	Bennett, Phillip R.	T-009,	Binder, Natalie	O-042,
	F-145	Bateman, Brian T.	T-080		F-014, T-014, T-015,		T-201
Baker, Bernadette C.	S-171	Batra, Gauri	F-145		S-028, O-030, O-034,	Bird, Cynthia E.	S-189
Baker, Hannah	F-019	Battarbee, Ashley N.	S-072		S-139, F-229	Bird, Ian	F-195, T-202
Baker, Julie C.	F-159	Bau, Davide	O-150	Benny, Paula	S-066	Bird, Ian M.	S-189
Baker, Philip	F-157, F-166,	Bautista, Claudia J.	T-128	Benschop, Laura	O-037,	Birukov, Anna	F-178, T-180
	S-195, T-200	Bax, Caroline J.	S-081		F-160	Bischof, Helen	T-073, S-171
Baker, Philip N.	S-109,	Bayer, Carolyn L.	F-176	Benson, Ashley E.	S-067,	Bishop, Lauren A.	S-212
	S-152, T-268	Beard, Sally	O-042, T-201		S-181	Bishop, Nicole M.	O-023
Baker, Regina	O-104, F-269	Beards, Frances	O-108,	Bensouda, Sabrina	T-016,	Bivona, Joseph J.	T-142
Baker, Valerie L.	F-217		F-148, S-171		T-017	Bjorkman, S	S-214
Bakulski, Kelly M.	S-260	Beaulieu, Aimee M.	F-249	Berg, Robert	S-126	Blanc, Vanessa	F-267
Balakrishnan, Bijina	F-244	Becker, Christian M.	T-037,	Berga, Sarah L.	O-117	Blanchon, Loic	F-200
Balakrishnan, Meena	O-046,		F-041, S-044, F-051	Bergman, Lina	T-186	Blanco, Cynthia L.	T-116
	F-084, F-181	Beckett, Emma	S-085	Berkebile, Zachary W.	F-170	Blesa, David	O-150
Baldeiras, Ines	F-092	Beckman, D	T-008	Berkowitz, Ross	T-123	Blesson, Chellakkan	T-233
Baldessari, Audrey	O-001	Bedaiwy, Mohamed	T-143	Bernabò, Nicola	T-258	Blesson, Chellakkan S.	
Baldoni, Franco	S-267	Ben, Jasper V.	O-106	Bernacchioni, Caterina			F-084, F-218
Baldwin, Scott	S-156	Beerhuizen, Annemerle			F-052	Blesson, Chellakkan S.	
Balendran, Rathesh	O-075		T-219, F-222	Bernard, Nathalie	F-126		F-221
Bales, Elise	F-244, T-245	Begum, Salma	S-229, F-249	Bernardi, Lia	O-086	Blitz, Matthew J.	T-137,
Bales, Elise S.	T-139	Begum, Shahina	S-097	Bernardo, Tiffany M.	T-161		S-142
Ballas, Jerasimos	F-177	Behbakt, Kian	T-121	Bernstein, Helene	S-066	Block, L	F-230
Banajjar, Vanitha	T-185	Behura, Susanta K.	T-235	Bernstein, Helene B.	T-248	Blockeel, Christophe	T-218
Bank, Tracy C.	S-055,	Beilin, Lawrence	S-087	Bernstein, Ira	S-184, F-193,	Blaise, Enrico	S-166
	S-059, S-060, S-131	Belfort, Michael	F-132		F-219	Blaise, Flavia F.	S-166
Bansal, Aruna	T-138	Belfort, Michael A.	F-073,	Bernstein, Ira M.	S-132,	Blood, Arlin	F-192
Bao, Junjie	S-006, S-026,		T-157, S-262		S-188, S-197	Blumenfeld, Shlomit	T-214
	T-029, S-157	Bell, Callum J.	S-095	Bernstein, Sarah N.	F-067	Blumenfeld, Yair J.	S-074,
Bao, Shihua	S-265	Bell, Rhonda C.	T-187	Bertens, Loes C.	O-106		S-075, S-269
Bappoo, Nikhilesh	O-078	Belavia, Andrea	S-099,	Besagar, Sonya	S-055	Blundell, Cassidy	O-080
Baptiste, Caitlin	T-265,		F-258	Betancourt, Ancizar	O-046,	Bobby, Zachariah	T-203
	S-266	Bellingham, Michelle	S-101,		F-132, F-181	Bocca, Silvina	F-241
Baqui, A.H.	O-072		F-121	Bethea, Traci N.	T-052,	Boeldt, Derek	F-195, T-202
Baracat, Edmund C.	S-053,	Beltrame, Jimena S.	F-151,		O-067	Boellaard, Willem	F-232
	F-054		F-235	Betts, Dean H.	T-234	Boersma, Eric	O-037
Barak, Yaacov	T-161	Beltrame, Jimena S	T-230	Bevilacqua, Estela	F-234	Bogges, Kim	O-076
Barapatre, Nirav	T-165	Beltramo, Dante	T-090	Bews, Katherine A.	F-050	Bogges, Kim A.	S-067
Barboni, Barbara	T-258	Beltsos, A.	T-070, S-207	Bhadauria, Preeti	T-125	Boghossian, N S.	O-072
Barila, Guillermo O.	F-248	Beltsos, Angela	S-209	Bharadwaj, Shruthi	T-203	Bogue, Rebecca	S-079
Barker, Natalie K.	F-060	Beltsos, Angeline	F-208,	Bhattacharya, Bhaswati		Bogue, Rebecca	F-079
Barnea, Eytan	O-127		S-245, T-264		T-149	Bolaños-Jiménez, Fracisco	
Barner, Kelsey	O-089	Beltsos, Angie	T-211	Bhullar, Jaipal	O-115		T-099
Barnhart, Kurt T.	S-230	Belville, Corinne	F-020	Bianchi, Diana W.	O-061	Bollati, Valentina	T-272
Barouch, Dan H.	T-106	Benayoun, Jacqueline S.		Bianco, Katherine	S-074,	Bolze, Pierre-Adrien	T-124
Barr, Logan C.	F-179		S-033		S-075	Bommarito, Paige	F-180
Barrett, David	T-019	Bendall, Sean C.	S-140	Bicocca, Matthew J.	S-182	Bommarito, Paige A.	F-143
Barrett, E	T-085	Bendt, A	F-167	Bidwell, CA	O-063	Bond, Samantha	S-037
Barrett, Emily	S-099			Bidwell, Christopher A.		Bonesi, Francesca	O-085
Barrett, Peter	S-261				O-056	Bonetti, Tatiana	F-234
Barrett, Trace	S-132					Boniface, J.J.	O-072

Publication Number Prefix Key

Oral Presentations

O-001 - 052 = **Thursday** Oral Presentations
O-053 - 124 = **Friday** Oral Presentations
O-125 - 160 = **Saturday** Oral Presentations

Poster Presentations

T-001 - 220 = **Thursday** Presentations
T-001 - 221 = **Friday** Presentations
S-001 - 221 = **Saturday** Presentations

Oral and Poster Abstract Author Index

Bonney, Elizabeth A. O-023, T-083, S-134, T-142	Brien, Marie-Eve F-118, F-126	Burchard, J O-072	Cantonwine, David E. T-001, T-007, O-149, F-180, S-205, S-260
Booker, Whitney O-105	Briggs, Louise V. T-190,	Burd, Irina S-010, S-011, F-013, T-013, T-056, F-057	Cañumil, Vanesa A. F-151, F-235
Boon, June S-091, F-093	Brighton, Paul J. O-113	Burdge, Graham C. T-086	Cañumil, Vanesa A. T-230
Booth, Carmen J. S-258	Briley, Annette L. O-057	Burke, Suzanne D. S-151	Cao, Songying T-103
Boots, Christina E. S-215	Brindley, David N. T-187	Burman, Andreanna S-168	Cao, Tiefeng T-048
Borahay, Mostafa A. S-045	Britt, David W. S-062, S-076	Burn, Martina S. S-143	Capatina, Nadejda T-176
Borbely, Alexandre F-234	Britten, Joy F-048, O-136	Burney, Richard F-227	Cappelletti, M. T-018
Borders, A. T-069	Britten, Joy L. T-046	Burney, Richard O. S-032, T-034, F-034, S-034	Cappelletti, Monica T-008
Borders, Ann S-077, S-146, S-183, S-263	Britten-Webb, Joy S-048, T-049	Burns, Gregory W. S-035	Caprioli, Richard T-022
Bordey, Angelique O-127	Broaddus, Russell O-132	Burns, Luke O-104	Carbajo-García, Maria Cristina O-018
Boretto, Matteo T-236	Brock, Clifton O. S-185, F-188	Burra, Kaolini O-033	Cardoso, Elaine F-234
Borgato, Caroline F-234	Brohman, Brian T-001, T-007, S-205	Burton, G. J. T-196	Cardoso, Inês O-097
Borggrew, Malte T-117	Brooks, Doug A. O-024	Burton, Graham J. O-079, T-163, T-176, T-255	Care, Alison S. O-154, T-250
Borisenko, Evgeniya S-269	Brosen, Jan F-236	Buss, Claudia S-077	Care, Alison S. T-146
Boss, Jonathan S-260	Brosens, Jan F-255	Busschbach, Jan T-219,	Carey, Kelly O-101
Bosse, Bradley F-056	Brosens, Jan J. O-113, S-235, T-237	Butler, Trent F-026	Carlson, Lindsey T-020
Bossuyt, Patrick M. S-081	Brost, Brian S-127	Bytautienė Prewit, Egle T-089	Carlson, Nichole O-087
Botting, K. J. S-113	Broughton Pipkin, Fiona T-190, S-194	Cagampang, Felino R. S-094, S-098	Carolina, Martinez F-177
Botting, K. J. O-053, S-058, O-077, T-196	Brouwer, Nieske T-117	Cahill, Alison T-206	Carpinello, Olivia T-225
Boufaied, Ines F-118, F-126, S-172	Brouwers, Laura O-037, O-041, O-093, S-200	Cahill, Alison G. S-065, T-066, O-139	Carpinello, Olivia J. S-225
Bouma, Gerrit J. F-150	Brown, Amy G. S-012, T-252	Cai, Mei T-151	Carroll, Lisa S-061
Bourme, Tom F-014, S-236	Brown, Laura F-111	Caitlin, Laughney T-071	Carroll, Lisa M. F-056
Bourque, Stephane T-127	Brown, Laura D. T-105	Calder, Michele D. T-234	Carter, Sean O-008, F-115
Bourque, Stephane L. O-055, S-056, O-154	Brown, Lucia T-130, S-188, F-207	Callaway, Christopher O-054	Carusi, Daniela A. T-080, T-157
Bousleiman, Sabine F-058	Brown, Naoko T-005, T-022	Camacho, LE O-063	Carvajal, Lorena F-108
Boussata, Souad F-155, T-198	Brown, Richard G. F-014	Camacho, Leticia S-083, F-109, F-110	Carvalho, Katia O-131
Bowman, Megan T-051	Brown, Stephen T-130	Camacho, Leticia E. O-056, F-088, O-128, F-162	Casalechi, Maira O-049
Boyer, Theresa T-056, F-057	Brownbill, Paul F-148	Campbell, Heather D. O-043	Case, CP O-129
Boyle, Ashley K. F-009	Brownfoot, Fiona T-201	Campbell, Lisa T-143	Casper, Mary T-054
Boyle, Kristen E. S-093	Brownfoot, Fiona C. F-106, T-186	Campbell, Robert A. O-043	Cassimatis, Irina R. S-072
Bozinovski, Steven O-024	Bruce, Margaret S-237	Campbell, Winston A. T-168	Castillo-Castrejon, Marisol O-143
Bradford, Andrew P. T-121, S-208, T-209	Brummel-Ziedins, Kathleen S-184, F-193, F-219	Campo, Giovanni T-218	Castillón, Gemma F-256
Bradley, Turner F-033	Brunet-Llobet, Lluís F-267	Campo, Hannes S-257	Castro-Rodríguez, Diana S-082
Bragg, Shannon F-192	Brusati, Valentina S-080	Campo, Paulo H. O-157	Castro-Rodríguez, Diana C. T-099
Braginsky, Lena S-068	Bucher, Matthew O-112, S-165	Canchola, Carmen F-095	Catherino, Bill T-049
Brain, K. L. T-196	Buchwalder, Lynn T-205	Canchola-Sotelo, Carmen T-093	Catherino, William S-048, F-048, O-136
Branch, D. Ware S-159	Buckley, Suzanne M. S-017	Canfield, John T-159	Catherino, William H. T-046
Brands, Judith O-027, T-181, F-184	Budde, Ricardo P. O-037	Caniggia, Isabella O-039, S-154, F-185	Cathy, Amber T-261
Brasky, Theodore M. T-052	Budding, Andries O-025	Cann, Leonie T-041	Catov, Janet O-007, O-101, T-195, F-206, F-265, S-268
Brassington, Kurt O-024	Buigues, Anna S-247	Canon, Ping T-199	Cattaneo, Marco F-080
Braun, Amy E. T-173	Bull, Sheana T-270	Cantin, Claudette F-108	Caughey, Aaron T-062, S-073
Bravo, Maria C. F-193	Bulun, Serdar T-027	Cantineau, Astrid E. F-250	Cavallo, Ines K. O-049
Bravo, Maria Cristina S-184, F-219	Bulun, Serdar E. O-068, S-238, F-240	Canto, Patricia T-100	Cavanagh, Megan E. F-008
Bravo Flores, Eyerahí F-085	Bunnell, Megan E. T-115, S-119	Cantone, Laura T-272	Cayford, Melody F-067
Brayboy, Lynae T-244, S-246			Cayton Vaught, Kamaria T-246
Breen, Jimmy S-228			
Brennan, Joshua O-014			
Brethous, Michel S-001			
Brewer, A. F-182			

Publication Number Prefix Key

Oral Presentations

O-001 - 052 = **Thursday** Oral Presentations
O-053 - 124 = **Friday** Oral Presentations
O-125 - 160 = **Saturday** Oral Presentations

Poster Presentations

T-001 - 220 = **Thursday** Presentations
F-001 - 221 = **Friday** Presentations
S-001 - 221 = **Saturday** Presentations

Oral and Poster Abstract Author Index

Cazenave-Gassiot, A	F-167	Chatterjee, Anindita	T-051	Chibber, Shani	O-104	Collier, Ai-ris Y.	T-106
Cedars, Leonard	S-024	Chatterjee, Antara	T-065	Chigusa, Yoshitsugu	T-021	Collins, Clare E.	S-085
Cencetti, Francesca	F-052	Chattopadhyay, Niladri	S-221	Child, Timothy	F-252	Colson, Arthur	F-152, F-153
Cermisoni, Greta C.	O-088	Chaturvedula, Latha	T-203	Chin, Peck Y.	T-250	Colucci, Francesco	S-232
Cermisoni, Greta Chiara		Chatzichalarampous,		Chiu, Simon	F-268	COMPARE-UF	
	S-231	Charalampos	F-226,	Chiu, Vicki Y.	F-011, F-012,	Investigators	
Cervelló, Irene	T-047,		F-231		F-036		S-047
	F-256, S-257	Chatzichalarampous, Harry		Chiware, Tendai	S-188,	Confino, Rafael	O-086,
Cetin, Irene	T-215		S-209		F-207, F-219		S-215, T-226, S-226
Cha, Dong Hyun	S-105	Chau, Alex	F-073	Choi, Yun Sun	F-063	Conlon, F. G.	F-113
Chadha, Gurmehar	F-252	Chauhan, Madhu	O-046,	Chong, Yap Seng	S-110	Connor, Kristin L.	F-099,
Chae, Angel Y.	T-189, S-204		F-181	Chong, YS	F-107		F-100
Chaitrakulthong, Nuntawat		Chauhan, Suneet P.	S-187	Chorich, Lynn P.	S-054	Considine, Elizabeth C.	
	S-139	Chavira, Roberto	T-098,	Chougnnet, C	T-008, T-018		F-001
Chalfant, Charles E.	F-191		T-100	Chow, Gregory	F-034	Considine, McKenna M.	
Chambers, Thane	T-127	Chavira-Suárez, Erika		Chow, Gregory E.	F-034		F-093, O-097, F-101
Chamley, Lawrence W.			T-093, T-094	Christoforou, Efthimia R.		Considine, Robert V.	O-121,
	O-038, S-251	Chavli, Effrosyni	F-232		S-169		T-222
Chan, Denise	T-009, F-014,	Chekmareva, Marina A.		Christoforou, ER	T-134	Constance, Elizabeth S.	
	T-014, T-015, O-034		S-158	Christopher, Morley	S-224		F-055
Chan, Eng Cheng	T-026	Chellakkann Selvanesan,		Christopher, Nold	T-168	Constancia, M	T-134
Chan, Eng-Cheng	F-026	Blesson	S-223	Chu, A	F-107	Constância, Miguel	S-169
Chan, Jeannie E.	F-149	Chemtob, Sylvain	F-016,	Chu, Derrick	F-004	Contag, Stephen	T-270
Chan, Kenneth	F-056,		O-140	Chuang, Tsai Der	O-069	Contag, Stephen A.	T-262
	S-061, F-074	Chen, Cheng-Yi	T-145	Chudnovets, Anna	S-010,	Contrepolis, Kévin	T-002
Chan, Michael	F-105	Chen, Chia-Yu	T-145		S-011, F-013, T-013	Contreras, Richard	F-119,
Chan, Shiao-Yng	S-110	Chen, Chie-Pein	T-145	Chung, Alice	F-209		F-261
Chan, SY	F-107, T-144,	Chen, Chih-Chen	F-037,	Chung, Jessica	F-039	Contreras- Duarte, Susana	
	F-167		T-042	Chung, Judith	F-056		F-108
Chan, Winston	S-045	Chen, Daozhen	T-170	Churchill, Molly	F-228	Cook, Emma	F-196
Chance, Mark R.	S-003	Chen, Dongbao	O-044,	Churchill, Molly L.	T-038	Cooke, CL	O-129
Chandiramani, Manju	F-024		F-137	Cindrova-Davies, T.	T-196	Cooke, Katherine	F-125
Chandra, Sujata	T-259	Chen, Huai-Yan	F-027	Cindrova-Davies, Tereza		Coonrod, Dean	F-214
Chandrasekaran, Suchitra		Chen, Hungwen	T-152		T-163, T-255	Coonrod, Dean V	T-267
	T-071	Chen, J. H.	S-089	Civale, J.	O-077	Cooper, Danielle	F-198,
Chandrashekar, Hamsika		Chen, Lin	S-265	Clapp, Mark	F-133		F-204
	O-114	Chen, Pei-Chun	T-145	Clark, Haley	T-244, S-246	Cooper, Kylie M.	S-132
Chang, Eileen I.	T-105,	Chen, Qi	O-038	Clark, Steven L.	S-262	Cooper, Leah J.	T-213
	T-113	Chen, Songjie	T-002, F-021	Clarke, Ger	F-139	Copel, Joshua A.	S-143
Chang, Frank	S-212	Chen, Xinjie	T-257	Clarkson, Yvonne L.	O-159	Corachán, Ana	O-018, T-047
Chang, HF	F-107	Chen, Yi-Hsien	O-114	Clevert, Djork-Arne	T-050	Corachan, Irene	O-150
Chang, K	F-107	Chen, Yun	O-144	Clinical Lab, Sera	O-072	Cordero, Jose	T-261
Chang, Xin-Wen	F-199	Chen, Yunshan	S-026,	Clough, Catherine	S-212	Cordes, Timothy M.	T-058
Chang, Xinwen	F-201		T-029, S-157	Cluver, Catherine	T-186,	Cormican, Sarah	S-261
Chang, Yu	F-037, T-042	Chen, Zhong	T-170		S-264	Cornelius, Denise	T-204
Chaparro, Alejandra	S-128,	Cheng, Genhong	T-175	Coates, Sydney L.	O-021,	Cornelius, Denise C.	S-203
	S-186	Chengjin, He	S-152		S-111, S-114	Cornette, Jérôme M.	F-131
Chapman, Karen E.	F-165	Cheon, Teresa	S-125, F-127,	Coates, Sydney L	O-126	Cornfield, David N.	O-137
Chappell, Lucy	S-176		S-270, S-271	Cochran, Richard	T-233	Corti, Laura	O-088, T-218,
Charles, Cassandra	S-033,	Cheong, Ana	S-086	Coelho, Sharon V.	S-166		S-231
	S-049, F-049	Cheong-Rae, Roh	F-063	Cohen, Wayne R.	O-012	Costantine, Maged	F-138
Charnock-Jones, D Stephen		Chern, Bernard	S-199	Colburn, Zachary	F-034,	Cotroneo, Ettore	S-231
	O-011, F-196	Cheryl, Oncken	T-168		S-034	Cottrell, Elizabeth	S-202
Charnock-Jones, Stephen		Chesla, David	T-051	Colburn, Zachary T.	T-034	Cottrell, Jesse N.	S-203
	O-145, F-205	Chettier, R	F-182	Cole, Kristen	S-225	Cottrell-Callbeck, Aiden	
Charnock-Jones, Steve		Chettier, Rakesh	O-017,	Cole, Steve	S-146		T-187
	F-174		O-020, T-045, S-218	Coleman, Michelle	O-001	Courtney, Jennifer A.	O-107
Chassen, Stephanie S.	F-161	Chi, C	F-107	Colgrave, Eliza	F-228	Cousins, Fiona L.	S-259
Chattergoon, Natasha	T-109	Chi, L	F-065	Collado, Maria C.	T-009	Covarrubias, Ambart	S-175

Publication Number Prefix Key

Oral Presentations

O-001 - 052 = **Thursday** Oral Presentations

O-053 - 124 = **Friday** Oral Presentations

O-125 - 160 = **Saturday** Oral Presentations

Poster Presentations

T-001 - 220 = **Thursday** Presentations

F-001 - 221 = **Friday** Presentations

S-001 - 221 = **Saturday** Presentations

Oral and Poster Abstract Author Index

Covault, Jonathan	T-168	David, Amanda	T-233	Delhaes, Flavien	F-144,	Doherty, Dorota A.	T-011
Cox, Annie	S-193	David, Anna L.	O-148		T-162	Dominguez, F.	O-002
Cox, James	F-004	David, Anu	F-055	DeLong, Kevin	T-017	Dominguez, Francisco	
Cox, Laura A.	F-087, F-092,	Davidge, Sandra T.	O-152,	De Los Santos, Sergio	T-100		O-018, O-019, T-039
	S-095, F-149		O-154, T-194	Del Prato, Diana	S-272	Dominguez, Francisco	T-241
CPR IPD Study Group		Davidge, Sandra T.	T-146	Demarco, Gabriella S.		Dominguez, Francisco	T-263
	S-081	Davidge, ST	O-129		O-032	Dominguez Áviles, Irma	
Craig, Zeliann	S-042	Davio, Carlos	T-230	DeMayo, Francesco	O-132	Fabiola	S-220
Cramer, Stewart F.	F-033	Davis, Erica E.	O-060	DeMayo, Francesco J.	F-032	Donati, Chiara	F-052
Critchley, Hilary O.	T-050,	Davis, MA	O-063	de Miguel-Gómez, Lucia		Dong, Daoyin	O-059
	S-051	Davis, Melissa A.			F-256	Dong, Jie	S-010, S-011,
			O-056, S-083, F-088,	De Moor, Bart	S-236		F-013, T-013
Crosbie, Emma J.	S-120		F-109, F-110, O-128	Denney, Jeff M.	S-127	Dong, Yuanlin	F-132, S-133,
Crosland, Brian A.	F-074	Dawson, Taylor	S-134	Depoix, Christophe	F-152		T-228
Cryan, John F.	F-139	Dawson, Taylor E.	O-023,	Depoix, Christophe L.	F-153	Dong, Zhong	F-189
Cuculich, Phillip	O-139		T-083	Deprest, Jan	O-148	Donoghue, Jacqueline	F-228
Cuculich, Phillip S.	S-065,	Day, Anil	S-160	Derby, Carol	O-122	Donoghue, Jacqueline F.	
	T-066	De Alwis, Natasha	O-042,	Derks, J. B.	F-113		T-038
Cukierman-Yaffe, Tali			T-201	DeSamo, Michael	S-188,	Doo, Ji Eun	F-018
	O-090	Deane, James A.	S-255,		F-207, F-219	Dori-Dayana, Nimrod	O-090
Culhane, J.	T-069		S-259	Detti, Laura	S-122	Dorogin, Anna	S-027
Culhane, Jennifer	S-077	Debbink, Michelle P.	T-079,	Devabhaktuni, Anuradha		Dorsey, Grant	T-175
Culos, Anthony	F-186		F-104, T-148, S-181	Devesa-Peiro, Almudena	T-062, S-073	Dotters-Katz, Sarah	S-067
Cuneo, Bettina F.	F-062	Debiève, Frédéric	F-152,		O-052	Dotts, Ariel J.	T-027
Cuneo, Cuneo F.	T-061		F-153	Devianti, Meivita	S-255	Douglas, Anne	S-051
Cunha-Oliveira, Teresa		de Boer, Marjon	T-198	Devine, Kate	F-212, S-212	Douglas, Nataka C.	S-229,
	F-092, O-097	de Boer, Marjon A.	S-081	DeVore, Gregory	F-114		F-249
Cunningham, Mark W	T-204	Deched, Ralf	F-178, T-180	Dhakal, Pramod	T-235	Douvdevani, Amos	S-178
Cunningham Jr., Mark W.		DeCherney, Alan	F-212,	Dhal, Sabita	S-237	Doyle, Barry J.	O-078
	S-203		S-212, T-225	Dhingra, R	O-009, F-065	Doyle, Nicole	F-212
Curci, Nicole	T-053	DeCherney, Alan H.	T-210,	Dhingra, U	O-072	Dragovic, Rebecca A.	S-044
Curtin, William M.	S-173		S-213, S-225	Diaz-Gimeno, Patricia		Drake, Rachel	O-064
Cuypers, Willem-Jan	O-025	De Cicco, Simona	S-222		O-052, S-247	Drechsel, Katja C.	O-093
Cymeryng, Cora	F-017	De Clercq, Katrien	F-043,	Dick, Edward	S-130	Drewlo, Sascha	F-146,
Dabelea, Dana	S-093		O-081, S-240	Dickson, Megan A.	S-145		S-163
Dahal, Sudip	T-025	Deeg, Gesa	S-221	Dietz de Loos, Alexandra		Drexler, Kallie	S-069
Daisuke, Ochi	F-069	Deepak, Venkataraman			T-219, F-222	Driggers, Paul	T-246, F-246
Dalloul, Mudar	S-033		T-192, S-192	Diez-Juan, Antonio	O-150	Driver, Camille	T-110, F-114
Dalman, Christina	O-102	de Gier, Steffie	O-093,	Dijk, Marie v.	T-179	Drury, Jo	O-115
Dalrymple, Kathryn V.			S-200	Dilworth, Mark	S-179	Druzin, Maurice L.	T-182
	O-057	Degner, Kenna R.	S-189	Dilworth, Mark R.	T-169	Du, Ji Eun	S-092
Dalrymple, Katie	T-086	de Groot, Christiane M.	O-037	DiMeglio, Linda A.	S-070	Duarte, Ana I.	F-092
D'Alton, Mary	F-058,	de Groot, Christianne J.		Dimitriadis, Eva	T-238	Dubaut, Jamie	O-006,
	T-072, F-075, F-076,		S-081	Dimitriton, Peter	T-016,		O-092, F-120
	T-082, F-133	De Hoff, Peter	S-135		T-017	Ducharme, Merrick	O-070
Dan, Chen	S-103	Deiter, Gina	F-124	Dinan, Ted G.	F-139	Ducsay, Charles A.	S-102
D'Ancona, Roberto L.	S-122	de Jonge, Jonathan	O-025	Ding, Yubin	F-157	Dude, Annie	F-064, T-067,
Dang, T	S-036	Dekan, Sabine	T-254				T-068, S-069
Daniel, MacKay F.	T-271	Dela Cruz, Cynthia	O-049	Diniz da Costa, Maria M.		Duffley, Eleanor	F-100
Daniel - Mordechai, Talya		De Leis Medeiros-de-			S-235	Duffy, Allyson	T-140
	O-120	Morais, Camilo	O-115	Diniz-da-Costa, Maria	T-237	Duffy, Cassandra R.	T-082
Darbinian, Nune	T-063,	De Leo, Bianca	T-037,	Di Siervi, Nicolás	T-230	Duleba, Antoni	O-124
	F-083		F-051	Divanovic, S	T-008	Dun, Erica	F-125
Darby, Jack R.	T-101	Delforce, Sarah J.	S-144,	Dixon, Rosina	O-014	Dunn, Jay C.	F-218
Darzi, Saeedeh	O-013		F-147	Do, Samantha C.	S-074,	Dunn, Jessilyn P.	F-021
Dasgupta, Chiranjib	T-088,	Delgado López, Maria	S-220		S-075, T-182	Dunner, Kenneth	T-243
	S-191	Guadalupe		Dodson, Blair	T-092	Dupree, James M.	F-210
DaSilva-Arnold, Sonia C.	T-153			Doehman, Pooja	T-054	Dusek, Brittany	O-109
Datta, Avisek	S-068			Doerr, Beau	F-102	Dutra, Samia	T-141

Publication Number Prefix Key

Oral Presentations

O-001 - 052 = **Thursday** Oral Presentations

O-053 - 124 = **Friday** Oral Presentations

O-125 - 160 = **Saturday** Oral Presentations

Poster Presentations

T-001 - 220 = **Thursday** Presentations

F-001 - 221 = **Friday** Presentations

S-001 - 221 = **Saturday** Presentations

Oral and Poster Abstract Author Index

Dutra, Samia V.	T-140	El-Sayed, Yasser Y.	S-074,	Evans, Shara M.	S-062,	Fernando, Aileen	S-135
Dutta, Suchismita	T-183		S-075, S-269		S-076	Ferraro, Federica	S-080
Duvekot, Hans J.	O-037	Elsayed, Nada	F-057	Evans-Molina, Carmella	S-070	Ferreira, Juan	F-006
Duzzy, Christina M.	S-158	Elsharoud, Amro	S-243	Everett, Allen A.	O-062	Ferrero, Hortensia	T-047
Dwiggins, Maggie	F-224,	El-Sherbini, Sherif M.	S-249	Ewerton, Flavio	S-221	Ferrero Chaffer, Hortensia	O-018
	T-227	Emerson, Robert	O-132	Ewington, Lauren	F-255	Feucht, Ute D.	F-100
Dye, Timothy D.	S-224	Eng, Margaret E.	F-097	Faas, Marijke	F-173	Feyeraerts, Dorien	T-253
Dyson, Matthew T.	S-238	England, Sarah	F-006, T-229	Faas, Marijke M.	T-251	Field, Catherine J.	T-187
Dziaszod, Margaret	F-105	England, Sarah K.	T-003,	Fabozzi, Simone Michele	S-222	Figueroa, Johnny D.	O-058
Easter, Sarah Rae	T-115,		T-005, S-065, O-073			Figueroa, Jorge P.	F-090
	S-119	Ensign, Laura	T-016, T-017	Fadayomi, Ayotunde B.	T-080	Filby, Caitlin	F-254
Eastman, Alison J.	O-029	Erez, Ofier	S-178			Filis, Panagiotis	S-101,
Easton, Zachary	T-162	Erfani, Hadi	O-048, T-157,				F-103, F-121
Echeverria, Guadalupe	T-260		S-262	Fairchild, Rebecca I.	O-023	Fiorotino, Francesco	S-231
		Ergenoglu, A. Mete	F-035	Fakhr, Yuliya	S-153	Fiorotto, Marta L.	F-089
Eckman, Molly	S-156	Erickson, Kathryn E.	S-093	Falanga, Ilaria	T-258	Fischer, Oliver M.	T-033
Edelson, Paula K.	F-067	Eriksson, J	F-107	Falkenberg, Erin	F-098,	Fischer, Roman	F-041
Eden, Robert D.	S-062,	Erich, Jonathan	O-024	Fallahzadeh, Ramin	F-129	Fisher, Allison L.	O-036,
	S-076	Ermini, Leonardo	O-039,	Fan, Huihui	T-051		O-146
Edison, Arthur S.	S-108		S-154	Fan, Rong	S-122, T-122,	Fisher, Susan	O-016
Edlow, Andrea G.	O-095	Ernst, Linda	S-146, S-263			Fisher, Susan J.	T-175
Edwards, Carey	S-091	Escalona-Vargas, Diana		Fang, Dajun	T-267	Fishwick, Katherine	S-235
Edwards, Todd L.	O-015,		F-053, S-100, T-112	Fang, Xin	F-129, O-140	Fitzgerald, Harriet C.	T-235
	S-046	Escobar, Christina	S-125,	Farias, Marcelo	T-260	Fitzgerald, Tony	F-190
Egbe, Thomas Obinchemti			F-127	Farquhar, Cindy	F-215	Flaherty, Rebecca	S-014
	T-054	Escott, Megan E.	F-176	Farrell, Abby P.	S-154	Flanagan, Sinead	S-097
Eggen, Bart J.	T-117	Escrig, Julia	T-047	Fassett, Michael J.	F-011,	Flannery, Clare	F-125
Ehrhardt, Jens	T-174, S-250	Escudero, Carlos	T-270		F-012, F-036, F-077,	Flannery, Clare A.	O-123,
Eiill, Elizabeth	T-248	Esencan, Ecem	F-213		O-091, T-104, F-119,		F-123
Einenkel, Rebekka	T-174,	Esfandiari, Navid	F-207		T-184, F-260, F-261	Fleischer, T. C.	O-072
	S-250	Esguerra, Jody	S-207,			Fleischmann, Ryan	F-089
Einerson, Brett D.	T-157,		F-208, T-264	Fattori, Victor	O-066	Fletcher, Nicole M.	T-122,
	S-159	Eskandar, Sharon	T-117	Faus, Amparo	T-047, F-256		S-123
Einhaus, Jakob	F-186	Eskild, Anne	F-259	Fausner, Bart C.	O-037	Floersch, Melissa	T-142
Eke, Ahizechukwu C.	F-057,	Esmacel, Abdelhady	F-042	Fazleabas, Asgerally	S-037	Flores, Idhaliz	S-042
	O-062	Esmael, Mostafa	T-220	Fazleabas, Asgerally T.	O-004, S-035	Flores, V	S-036, S-214
Eklund, Elizabeth	T-024	Estienne, Anthony	S-244			Flores-Alonso, Juan Carlos	S-220, F-223, T-231
El Andaloussi, Abdeljabar		Estrada Gutierrez, Guadalupe	F-085	Feeney, Margaret	T-175	Flouri, Dimitra	O-148
	F-220, S-243, T-249,		T-112	Feenstra, Bjarke	T-002	Flynn, Angela C.	O-057
	T-256	Eswaran, Hari	F-053, S-100,	Feguson, Kelly K.	T-001,	Folkens, Ann	F-159
El-Bacha, Tatiana	T-163		T-112		T-007	Forbes, Karen	S-160
El-Chennawi, Farha	S-249	Eubank, Miranda R.	F-005	Fein, Arielle	F-133	Ford, S. G.	S-113, O-130
Eldar-Yedidia, Yifat	F-083	Euliano, Neil	F-029	Feindel, Kirk	S-177	Ford, S. G.	O-053, S-058,
Elder, Kay	T-255	Eunice Kennedy Shriver		Felker, Allison M.	O-082		F-113, T-196
El-Dib, Mohamed	T-115,	National Institute of		Feltovich, Helen	T-020	Ford, Stephen	O-097
	S-119	Child, Health and Human		Feng, Liping	T-158	Ford, Stephen P.	T-087,
Elefant, Naama	O-158	Development Maternal-		Feng, Xiang	F-064		S-091, F-093
Elias, Kevin	T-123	Fetal Medie	S-187	Ferchard-Roucher,		Forest, Jean-Claude	F-126
Elias, Kevin M.	S-035	Eustáquio Do Império,		Veronique	O-143,	Forhead, Alison J.	F-168,
Elias, Rony	T-216				F-161, S-162		S-169
Elizondo, Santiago	T-090	Güinever	S-118	Ferey, Jeremie L.	O-073	Fortier, M	F-107
El Khoudary, Samar	O-122	Evans, Andrew	O-078	Ferguson, Kelly K.	F-180,	Fourie, Hanine	S-236
Ellery, Stacey J.	S-144	Evans, Annie	O-108		S-260	Fowler, Paul A.	S-101,
El-Mokhtar, Mohamed		Evans, Gareth D.	S-120	Fernandez-Alarcon, Claudia	F-170		F-103, F-121
	F-042	Evans, Jemma	F-254			Fox, A. C.	O-072
Elovitz, Michal A.	S-012,	Evans, Kyle	T-024	Fernandez-Gonzalez,		Fox, Chelsea W.	O-124
	F-248, T-252	Evans, M. Blake	S-213	Angeles	O-151		F-073
Elsamadiy, Emad A.	S-022	Evans, Marie	F-190, S-261	Fernandez-Twinn, D. S.	S-089		
		Evans, Mark I.	S-062, S-076				

Publication Number Prefix Key

Oral Presentations

O-001 - 052 = **Thursday** Oral Presentations

O-053 - 124 = **Friday** Oral Presentations

O-125 - 160 = **Saturday** Oral Presentations

Poster Presentations

T-001 - 220 = **Thursday** Presentations

F-001 - 221 = **Friday** Presentations

S-001 - 221 = **Saturday** Presentations

Oral and Poster Abstract Author Index

Fox, Karin A.	T-157	Gallaher, Marcia J.	F-071,	Giussani, D. A.	O-053,
Fox, Nathan S.	F-070		S-104		S-058, O-077, S-089,
Franchi, Ana	F-017		T-091,		F-113, T-196, F-262
Franchi, Ana M.	F-151,	Gallós, George	S-136, S-138, F-184	Gladys, Ramos	F-177
	F-235			Glasgow, Amy E.	F-050
Frank, Hans-Georg	T-165	Gallot, Denis	S-078	Glass, Ruthy M.	O-095
Franklin, Noah S.	O-066	Gamble, Phyllis	T-089	Glazier, Jocelyn	F-164
Franx, Arie	O-037, O-041,	Gamlíel, Moriya	O-158	Glazier, Jocelyn D.	F-163
	O-093, S-200	Gammill, Hilary S.	T-071,	Glessner-Fischer, Annie	
Freedman, A.	T-069		T-189, S-204, S-252		T-133
Freedman, Alexa	S-077,	Gammill, HS	F-182	Glover, A V.	S-063, F-065
	S-146, S-183, S-263	Gamperi, Magdalena	O-156	Gluckman, P	F-107
Freedman, Robert	T-096	Gandhi, Kushal	S-130	Gluckman, Peter	S-110
Freeman, Alexandra	S-225	Ganguly, Ankana	T-164	Go, Attie T.	O-098
Freeman, Willard M.	F-096	Ganguly, E	O-129	Godfrey, K	F-107
Freitas, Vanessa	F-234	Ganio, Edward A.	F-186	Godfrey, Keith	S-110
Freret, Taylor S.	S-147	Ganz, Tomas	O-036, O-146	Godfrey, Keith M.	O-057,
Friedman, Alexander	F-058,	Ganzevoort, Wessel	S-081		T-086
	T-072, F-075, F-076,	Gao, Haijun	O-144	Godfrey, KM	T-144, F-167
	T-082, O-105, F-133,	Gao, Ling-Tong	F-027	Godin Vanderboor, Christina	
	T-265, S-266	Gao, Lu	F-027		F-144
Friedman, Alexander M.		Gao, Xiao-Bing	O-100,	Goetzl, Laura	T-063, F-083
	O-094		F-213	Goffman, Dena	F-058,
Friedman, Perry S.	T-060,	Garcia, Jacob	F-059		F-075, F-076, T-082
	F-061	Garcia, Natalia	O-131,	Göhner-Arbash, Claudia	
Friedrich, T	F-230		F-220		T-221
Frieze, Seth	T-130	Garcia-Acero, Pablo	O-052	Gokina, Natalia	T-135
Friez, Michael J.	S-054	Garcia-Domínguez, Ximo	S-257	Gokina, Natalia I.	O-023
Fritsch, Martin	S-221, T-221			Gold, Ellen B.	O-122
Frolova, Antonina I.	T-003,	Garcia-Flores, Valeria	F-010, O-031	Goldenberg, Robert	O-010
	O-073			Goldman-Wohl, Debra	
Fry, R C.	O-009, S-063	Garcia Valenia, Oscar	F-183		O-158
Fry, Rebecca	O-076	Garcia-Velasco, Juan Antonio	F-243	Golos, T	F-230
Fry, Rebecca C.	F-180			Golos, Thaddeus	O-109
Fuenzalida, Barbara	F-108	Gardner, David S.	T-190,	Gomes, Hanailly R.	S-166
Fujihaara, Yoshitaka	T-232		S-194	Gómez, A.	O-002
Fujii, Dennis	F-227	Gardner, Lucy	O-079	Gomez-Lobo, Veronica	
Fujii, Dennis T.	S-032	Gargett, Caroline	O-013		F-224, T-227
Fujii, Tomoyuki	F-233	Gargett, Caroline E.	F-254,	Gomez-Lopez, Nardhy	
Fujimine, Ayako S.	S-227		S-255, S-259		F-010, O-031, F-189
Fujimori, Keiya	F-078	Garido-Gomez, Tamara		Gong, Kan	S-040
Fujita, Tomoko	F-233		O-150	Gong, Sung	O-145
Fujita, Yasuyuki	F-078	Garmire, Lana	S-066	González, Frank	O-121,
Fukazawa, Eiko I.	S-053,	Garovic, Vesna	F-183		T-222
	F-054	Garrison, Etoi A.	S-156	Gonzalez, Maritza G.	O-012,
Fukui, Yamato	F-233	Garrud, T A.	O-130		F-162
Fuma, Kazuya	T-147			Gonzalez, Samantha	T-185
Fumagalli, Diletta	T-107	Garrud, T. A.	O-053, S-058,	Gonzalez-Cano, Rafael	
Fung, Jenny N.	S-039,		F-113		O-066
	F-039, T-041, F-228	Garvin, Sicily E.	F-154	González-García, María del	
Furukawa, Seishi	T-118	Gary, Wessel	T-244	Tránsito	F-243
Gaccioli, Francesca	O-011,	Gaudilliere, Brice	F-186	Gonzalez-Martin, Roberto	
	F-196, F-205	Gaudilliere, Dyani	F-186		O-019, T-039, T-241,
Gainey, Laura R.	S-142	Gaudreault, Virginie	S-172,		T-263
Galan, Henry	T-120		S-244	Goodman, Jean R.	F-079,
Galan, Henry L.	F-112	Gaw, Stephanie	F-082		S-079
Gallagher, Paula	S-062,	Gaw, Stephanie L.	T-175	Gopalakrishnan, Kathir	
	S-076	Gay, Steven	T-225		O-022
		Gay, Steven A.	S-225	Gordon, Jessica	T-141

Publication Number Prefix Key

Oral Presentations

O-001 - 052 = **Thursday** Oral Presentations

O-053 - 124 = **Friday** Oral Presentations

O-125 - 160 = **Saturday** Oral Presentations

Poster Presentations

T-001 - 220 = **Thursday** Presentations

F-001 - 221 = **Friday** Presentations

S-001 - 221 = **Saturday** Presentations

Oral and Poster Abstract Author Index

Gordy, Stephanie	F-073	Guanzon, Dominic	T-023,	Hamilton, Russell	F-174	Heath, Alexandra	T-270
Gorodesky, Tal	S-057		F-086, O-133	Hamilton, Russell S.	S-170	Heazell, Alexander	T-073,
Goto, Yumiko	S-115	Gudenkauf, Brent	S-130	Hammoud, Sue S.	T-224		S-171, F-172
Götte, Martin	F-040	Guedj, Faycal	O-061	Han, Arum	O-071	Heazell, Alexander E.	F-145
Gotteland, Jean-Pierre	S-001	Guerrero, Quinton	T-020	Han, Leo	O-051	Hebert, Jessica F.	O-112
Graf, R	T-064	Guevara, Tatiana	S-171	Han, Ting-Li	S-109	Hedman, Casey	T-154
Gragasin, Ferrante S.	O-055,	Guida-English, Stephanie M.	S-095	Han, Xiaoyuan	F-186	Hehenkamp, Wouter J.	
	S-056			Han, Xinjia	S-026		T-040
Graham, Ernest	T-056,	Gulick, Danielle	S-096	Han, Yiping W.	O-010,	Heikinheimo, Oskari	T-035
	F-057, O-062	Guller, Seth	F-203		S-016	Heine, R. Phillips	S-013
Granne, Ingrid	F-252	Gultekin Elbir, Elif E.	S-078	Han, Yu Mi	O-025	Heinonen, Seppo	S-001
Grant, I.	F-262	Gumina, Diane	T-110,	Hanawa, Sachiko	S-115	Heitkötter, Birthe	F-040
Gray, Kathryn J.	O-149		F-112, F-114, T-120	Hanes, Justin	T-016, T-017	Held, Kathi	S-242
Gray, Kendra M.	S-024	Guner, Joie Z.	O-065	Hanita, Takushi	O-008,	Heller, Debra S.	F-033
Gray, Nicola	T-143	Gunstone, Harriet	S-139		F-115	Hellwege, Jacklyn N.	O-015,
Greaves, Erin	F-038, S-228	Guo, Jiabo	S-153	Hannan, Natalie	O-042,		S-046
Green, Brittany	F-106	Guo, Xiaofang	F-002,		T-143, T-199, T-201	Hemberger, Myriam	F-174,
Green, Ella S.	O-160, F-247		S-096, O-103, F-120	Hannibal, Roberta L.	F-159		T-176
Green, Lucy R.	S-094,		F-263	Hanrahan, Michael T.	O-096	Hemmings, Denise G.	
	S-098	Gupta, Chhedi Lal	S-155	Hansen, Uwe	F-040		S-153, T-187
Green, Malia N.	T-083,	Gupta, Janesh K.	T-164	Hanton, Fabienne D.	S-139	Hendler, Israel	S-057, T-076,
	S-134	Gurung, Shanti	S-255	Hanyaloglu, Aylin	S-028,		T-077
Greendale, Gail L.	O-122	Gurung, Sunam	O-006,		F-236	Henkel, Ralf	T-233
Greenwood, Susan	O-108,		O-092, F-096, F-120	Hapangama, Dharani	O-115	Hennes, Aurélie	T-236,
	F-148, F-172, S-202	Gurusinghe, Seshini	S-193	Hardin, Abigail	S-013		S-240, S-242
Greenwood, Susan L.	T-169	Gutierrez, Juande	F-134	Harmon, Quaker	T-052	Henriet, Patrick	S-239
Gregg, Anthony	F-029	Gutierrez, Patricio	T-270	Harmon, Quaker E.	O-067	Henschen, Sina	T-165
Griffin, Jules	T-163	Gutzeit, Ola	F-266	Harmesen, Marissa J.	T-040	Herington, Jennifer L.	
Griffioen, Arjan W.	T-040	Guzeloglu-Kayisli, Ozlem		Harper, Amy K.	S-122,		T-005, T-022, T-028
Grijuela, Barbara	F-080		F-002, O-103, O-138,		T-122, S-123	Hern, Braxton	T-032
Grimm, L.	T-070, S-207		T-191, F-203, T-205,	Harris, Adrian	F-025	Hernandez, Marcela	S-128
Grimm, Lauren	F-208,		F-263	Harris, Amy L.	S-147, T-150	Hernandez, Paula	T-090
	T-211, S-245	Gyamfi-Bannerman, Cynthia		Harris, Lynda	O-108, F-148	Hernandez Ruano, Simone	
Grisaru Granovsky, Sorina			O-010, S-055, F-058,	Harris, Ronald A.	F-084		O-026, S-133
	S-155		S-059, S-060, O-094,	Harrison, Rachel	F-068,	Herraiz, Sonia	S-247
Grobman, W.	T-069		O-105, T-119, S-131,		S-190	Herrera, E. A.	S-089
Grobman, William	T-027,		T-265, S-266	Hartman, Richard E.	O-058	Herse, Florian	T-180
	T-068, S-077	Gyamfi-Bannerman, Gyamfi		Hassan, Sonia	F-010, O-031,	Hesselman, Susanne	T-186,
Grobman, William A.	F-066		S-180		F-189		S-264
Groenenberg, Irene A.		Haak, Andrew J.	O-070	Hastie, Roxanne	F-106,	Hesson, Ashley	F-210
	O-098	Haapalainen, Antti M.	S-004		T-186, T-199, S-264	Hess-Stumpp, Holger	F-051
Groenendaal, Floris	O-093	Haas, David	T-068, S-070	Haugen, Stefan	S-162	Hewison, Martin	T-164
Groenman, Freek A.	T-040	Haas, Jigal	T-214	Hauser, Russ	O-067, F-258	Heymans, Martijn W.	S-081
Groer, Maureen	T-140	Habeebullah, Syed	T-203	Hauspurg, Alisse	F-187,	Hezelgrave, Natasha L.	
Groer, Maureen W.	O-028,	Habermann, Elizabeth B.			S-206, T-207		T-023
	T-138, T-141		F-050	Haverinen, Annina	T-035	Hickey, Anthony J.	O-038
Groom, Katie	O-038	Haesler, Valérie	O-147,	Havliir, Diane	T-175	Hickok, D E.	O-072
Groome, Holly M.	T-250		F-175	Hawkins, Shannon M.		Hickstein, Dennis	S-225
Gropp, Michal	F-225	Haeussner, Eva	T-165		O-132	Hickton, Bryony	T-073
Gross, Christelle	F-020	Hager, Reinmar	F-163	Hay, David C.	F-103	Higashi, Keiko	S-227
Gross, Stephanie	F-156	Haider, Sandra	O-156	Hayashi, Kimikazu	S-071	Higgins, Nicole	F-066
Gross, Stephane R.	T-164	Hajnal, Joseph V.	S-176	Hayashi, Masaru	S-115	Hill, Eleanor	O-135
Grossi, Enzo	F-080	Hall, Timothy	T-020	Hayes, Heidi	F-212	Hill, Hailey C.	T-210
Groutgut, Chad	S-013	Hallman, Mikko	S-004	Hay Jr, William	F-111	Hill, Meghan	F-060
Grynsman, David	T-177	Hämäläinen, Esa	F-116	He, Qizhi	F-201	Hill, Meghan G.	O-012,
Grytten, Jostein	F-259	Hameroft, Avi	S-033	He, Xiaoya	S-008, S-009		F-162
Gu, Yang	F-198, F-204	Hamid-Reza, Kohan-Ghadr		He, Yaowu	F-122	Hill, Micah	S-212, F-212
Gu, Ying	T-170		F-146	Healey, Martin	S-039,	Hill, Micah J.	T-210, S-213,
		Hamilton, Daneeka	T-233		F-039, T-041, F-228		S-225

Publication Number Prefix Key

Oral Presentations

O-001 - 052 = **Thursday** Oral Presentations

O-053 - 124 = **Friday** Oral Presentations

O-125 - 160 = **Saturday** Oral Presentations

Poster Presentations

T-001 - 220 = **Thursday** Presentations

F-001 - 221 = **Friday** Presentations

S-001 - 221 = **Saturday** Presentations

Oral and Poster Abstract Author Index

Hillel, Miriam	F-083	Hoyt, Laura R.	T-142	Hyuga, Shunsuke	O-141	James-Allan, Laura B.	
Hillier, Dendra M.	O-111	Hsu, Chaur-Dong	F-010,	Ian, Bird M.	F-199		O-089
Himes, Katherine P.	T-193		F-189	Ibáñez, Carlos A.	T-128	James-Todd, Tamarra	F-258
Hiraoka, Takehiro	F-233	Hu, Huiping	S-006, S-026,	Ibañez-Chavez, Carlos A.	F-085	Jana, Hutter	S-176
Hirohito, Metoki	S-196		T-029, T-267			Jansson, Thomas	
Hiroshi, Sameshima	T-078	Hu, Lingqing	T-170	Ibrahim, Mohamed Gamal			O-003, O-089, S-093,
Hiroshi, Shima	S-121	Hu, Xiang-Qun	T-188,		F-040		O-126, O-143, F-149,
Hirota, Yasushi	F-233		S-191	Ibrahim, Sherrine	T-058		F-161, S-162, S-164,
Hirst, Jonathan	S-019	Huang, Carol	T-111	Ibrahim, Tarek	S-203, T-204		T-166, S-167
Hiyama, Satoshi	T-129,	Huang, Chun-Yen	F-037,	Ibrahim, Yetunde	T-212,	Jason, Wright	F-076
	S-129, T-197		T-042		S-216	Jaworski, Elaine M.	T-132
Hjartarson, Emma P.	O-154	Huang, Joseph	F-002, F-263	Ichiro, Yasuhi	F-072, T-078	Jayabalan, Nanthini	F-086
Ho, Alison	S-176	Huang, Lu	T-170	Igeta, Saori	S-227	Jayarajan, Vignesh	S-029,
Ho, Shuk-Mei	S-086	Huang, Qian	T-029, S-157	Ignacio, Vanessa	F-019		F-031
Ho, Thao T.	O-028	Huang, Rong	T-158	Ikawa, Masahito	T-232	Jayaram, Aswathi	T-204
Hobbs, John	T-110	Huang, S. Joseph	F-037,	Ikeda, Tomoaki	T-074	Jeelani, R.	O-070, S-207
Hobbins, John C.	F-112,		F-037, T-042, S-096	Illanes, Sebastián	S-178,	Jeelani, Roohi	F-208, S-209,
	F-114, T-120	Huang, Xiaohui	T-088		S-186		T-211, S-245, T-264
Hochberg, Alyssa	F-266	Huang, Xuan	S-149	Illanes, Sebastián E.	S-128	Jehan, F	O-072
Hochman, Rony	T-076,	Huang, Yan	S-040	Illsley, Nicholas P.	T-153	Jeliffe, Laura	F-021
	T-077	Huang, Yingqun	T-048	Im, Theresa M.	F-036,	Jelinski, Adam	O-158
Hoefgen, Holly	F-224	Huang, Yongmei	T-072,		O-091	Jenkins, Holly	T-023
Hoek, Jeffrey	T-095, T-208,		F-075, F-076, T-082	Imamura, Yuka	F-124	Jenkins, Holly J.	T-010
	F-232	Hubel, Carl	F-187, T-195	Imbar, Tal	O-120	Jenkins, Susan L.	F-094,
Hoffman, M. Camille	T-096,	Hubel, Carl A.	S-206, T-207	Imperio, Guinever E.	S-117		F-101
	T-110	Huber, Hillary F.	T-084,	Imran, Maria	F-041	Jensen, Boye L.	T-180
Hogg, Chloe	F-038		F-094, F-101	Imudia, Anthony N.	F-044	Jensen, Federico	F-017
Hohl, Raymond	T-125	Hubinont, Corinne	F-152,	Ing, Nainoa N.	F-019	Jensen, Jeffrey T.	O-051
Holdsorth-Carson, Sarah J.			F-153	Ingles, Judith A.	O-137	Jeong, Jae-Wook	O-004
	T-038, F-039, S-039,	Hughes, Alice E.	O-011	Inocencio, Ishmael	S-116	Jessop, Flora	F-205
	T-041, F-228	Huh, Dongeun	O-080	Intapad, Suttira	F-176	Jeyabalan, Arun	F-187,
Holland, Steven	S-225	Hui, Lisa	F-106	International Endometriosis			T-195
Holloman, Conisha	S-182	Huine, Judith A.	T-040	Genomics Consortium		Jeyabalan, Arundhati	
Holloman, Conisha M.		Hull, M L.	S-228		T-043		S-206, T-207
	F-188	Humberstone, Andrew		Investigators, PETRA	F-188	Jhaveri, Kartik	T-065
Holm, Michelle	PUB08		S-001	Iodice, Simona	T-272	Jia, Linyan	F-201
Holman, Ryan	F-021	Humphreys, Laurel R.	F-088	Iqbal, A.	S-058	Jiang, Ying	T-048
Holsclaw, Julie K.	O-078	Humphries, Jacqueline		Iredale, John P.	F-103	Jill, Cierney T.	T-063
Hong, Tiffany	F-059		O-154	Isaacson, Erin E.	F-068	Jimenez, Jonathan	T-178
Hooper, John D.	F-122,	Hung, Yin-Po	T-146	Ishibashi, Masumi	S-227	Jing, Li	S-103
	O-133	Hunter, Sharon	T-096	Ishimoto, Hitoshi	S-115	Jinwal, Umesh	S-096
		Huntley, Kristin	S-153	Isidro, Angel	S-042	Jiskoot, Geranne	T-219,
Hornburg, Daniel	F-021	Huntriss, John D.	S-232	Islam, MO	T-144, F-167		F-222
Horne, Andrew W.	T-036,	Huo, Xiaona	S-265	Ismail, Nahed	F-220, S-243,	Jobe, A	T-008, T-018
	F-038, T-143	Hurt, Callie	F-079, S-079		T-249, T-256	Joenvääri, Sakari	O-119
Horowitz, Neil	T-123	Husen, Sofie C.	O-098	Ismail, Thimir	F-156	Joergensen, Jan S.	F-178
Hortu, Ismet	F-035	Hussain, A.	S-207	Israel, Ariel	S-057	Joerges-Messierli, Marianne	
Hoskins, Ifthah A.	T-126,	Hussain, Anisa	F-208,	Itakura, Atsuo	T-081, F-081	S.	O-147, F-175
	S-126		S-245, T-264	Itani, Nozomi	T-097, T-128	John, Newnham P.	T-011
Hosseini, Pegah T.	O-012	Hussain, Naveed	T-168	Ito, Kiyoshi	S-121	John, Tidy	O-135
Hosseinzadeh, Pardis	F-218,	Hussell, Tracy	F-172	Itoh, Hiroaki	O-005	Johnson, Benjamin	T-051
	F-221, S-223	Hutchinson, Anne P.	S-215,	Ivy, Jessica R.	F-165	Johnson, Eugenia	S-163
Hou, Huayun	S-027		S-226	Jackson, C	T-008, T-018	Johnson, Joshua	F-244,
Hou, Xin	F-016	Huttler, J	S-036	Jackson, Laurence	S-176		T-245
House, Michael	F-025	Huttler, Joshua	O-134	Jaddoe, Vincent W.	F-160	Johnson, Mark	T-012,
Houshdaran, Sahar	O-016	Huwe, Christoph	T-033	Jakobs, Martin	F-130		F-015, F-028
Howie, Sarah E.	O-032	Hyatt, Kim	O-006, O-092	James, Kaitlyn	S-147, T-150	Johnson, Mark R.	S-029,
Howley, Lisa W.	T-061,	Hyde, Matthew J.	T-010	James, Kaitlyn E.	F-067		F-031, F-251
	F-062	Hyett, Jonathan	T-183			Johnson, Rachel	O-087

Publication Number Prefix Key

Oral Presentations

O-001 - 052 = **Thursday** Oral Presentations

O-053 - 124 = **Friday** Oral Presentations

O-125 - 160 = **Saturday** Oral Presentations

Poster Presentations

T-001 - 220 = **Thursday** Presentations

F-001 - 221 = **Friday** Presentations

S-001 - 221 = **Saturday** Presentations

Oral and Poster Abstract Author Index

Johnston, Robert	F-056, S-061	Kanya, Moses	T-175	Ken, Yamaguchi	F-072	Kim, Sung Hye	S-028, F-229, F-236
Johnston, Zoe C.	S-101	Kanaan, Sami B.	T-189	Kendall, Giles	O-148	Kim, Sung Jin	O-071
Johnstone, Edward	F-148	Kanayama, Naohiro	O-005	Kendall Rauchfuss, Lauren	F-050	Kim, Tae Hoon	O-004
Johnstone, Erica	T-212, S-216	Kang, Byeong-Cheol	F-245	Kendal-Wright, Claire E.	F-019, F-022	Kim, Tana	F-050
Johny, Jaijiss P.	O-038	Kang, Sun	O-074	Kenny, Louise	S-097	Kim, Yi Seul	S-025
Jones, Amanda	F-111	Kangasniemi, Marika	T-035	Kenny, Louise C.	O-102, F-139, F-190, T-268	Kim, Yong Jin	F-245
Jones, Helen N.	O-107	Kaplan, David	F-025	Kerby, Alan	F-145	Kim, Yoon Young	F-245
Jones, Kelsey E.	S-208	Karavani, Gilad	O-120	Kern-Goldberger, Adina	S-055, S-059, S-060, O-105, S-131, T-265, S-266	Kimani, Peter	F-255
Jones, Rebecca	F-172	Karda, Rajvinder	S-017	Kessler, Benedikt	F-041, F-051	Kimelman, Dana	O-086, S-215
Jones, Rebecca L.	T-073, F-145, S-171	Karjalainen, Minna K.	S-004	Kessler, Benedikt M.	T-037	Kimikazu, Hayashi	F-072
Jones, Sarah H.	S-046	Karnani, N	F-107	Kesterson, Joshua	F-124, T-125	Kimura, Yoshitaka	T-266
Jong-Hwa, Kim	F-063	Karp, Barbara I.	S-043	Keun-Young, Lee	S-174	Kindinger, Lindsay	F-014
Jonker, Sonnet S.	T-113	Karsdon, Jeffrey	F-029	Khalil, Asma	S-112, F-134	Kingdom, John F-146, T-163	
Jonnalagadda, Venkata A.	O-065	Karumanchi, Ananth	T-136, S-175	Khalil, Suzana	T-154	Kingdom, John C.	T-101
Joos, Alexander	S-177	Karumanchi, S. Ananth	S-151, S-159	Khan, Nadia	T-112	Kinnear, Hadrian M.	F-055
Joosten, Irma	T-253	Karuna, Muthuselvan	S-084	Khan, Rana	F-071, S-104	Kirimlioglu-Konuk, Esma	F-044, F-135, F-200
Jorgensen, Jan Stener	T-180	Kaskar, Khaliel	T-233	Khan, Sana N.	F-226	Kirkwood, Phoebe M.	S-248
Josep, Santalo	S-241	Katsuhiko, Tada	F-072	Khan, Zaraq	F-050	Kirschenman, R	O-129
Joseph, Serene	S-090, S-108	Katsuko, Fumiki	T-197	Khanam, R	O-072	Kirschenman, Raven	O-152
Joshi, Aditi A.	O-123, F-123	Katsuragi, Shinji	T-074, T-075	Khandelwal, Abha	S-074, S-075	Kirschenbaum, Michal	S-020
Joshi, Niraj	S-037	Kaur, Harleen	S-140	Khanjani, Shirin	F-140, F-236	Kisanga, Edwina	S-168
Joshi, Niraj R.	S-035	Kaushal, Kanchan	S-102	Khankin, Eli	T-136	Kitaba, Negusse	T-086
Joss-Moore, Lisa A.	T-085	Kaushic, Charu	O-082	Kharrat, Fatma	T-155	Kitajewski, Jan	S-016, T-025
Jou, Justine	S-230	Kawai, Kenta	O-005	Khashan, Ali	O-096, S-097	Kitlen, Gitte	T-180
Jpbe, Alan H.	F-115	Kawakami, Kosuke	S-071, S-106	Khashan, Ali S.	S-097, O-102, F-139, F-190, S-267, T-268, T-269	Kiyokawa, Hikaru	T-021
Juan, Li	T-151	Kay, Nari	F-037, T-042	Khashash, Maha	F-042	Kliman, Harvey J.	O-116
Juárez, Gimena	S-082	Kayani, Jehanzeb	O-134	Khatun, Masuma	O-119	Kloc, Malgorzata	T-243
Judge, Conon	S-261	Kayisli, Umit	O-138	Khorram, Omid	O-069	Klock, Susan C.	T-226, S-226
Judith, Chung	S-061	Kayisli, Umit A.	F-002, F-044, O-103, F-135, T-159, T-191, F-200, F-203, T-205, F-263	Kieffer, Tom	F-173	Knepper, Katharine	S-135
Julian, C. G.	F-262	Kazuhisa, Maeda	F-072	Kieffer, Tom E.	F-250, T-251	Knight, Anna	S-192
Julian, Colleen G.	O-021, S-111, S-114, O-126, S-167, T-270	Keane, James M.	F-139	Kiesel, Ludwig	F-040	Knoefler, Martin	F-159
Juliano, Brock	T-224	Keamey, Patricia M.	O-102	Kilburn, Brian	F-154, T-154	Knöfler, Martin	O-156, T-254
Julie, Koeman	T-051	Kechichian, Talar	T-089	Kim, Boggess	F-143	Knox-Concepcion, Katherine R.	O-058
Jung, Sung Yun	O-114	Kechris, Katerina	S-093	Kim, Heeyon	O-047	Ko, Nga Ling	T-133, T-135, T-136
Jung, Yun Ji	F-091, O-153, S-256	Keddie, Danae L.	O-055	Kim, Hoon	F-245	Kocamanoglu, Meltem	F-035
Jungsoo, Chae	F-063	Keelan, Jeffrey A.	T-011	Kim, Hyemin	F-028	Kodama, Takashi	S-071
Junichi, Sugawara	F-069, S-196	Keenan-Devlin, L.	T-069	Kim, Hyung-Goo	S-054	Kodama, Yuki	F-078
Kabiri, Doron	F-225	Keenan-Devlin, Lauren	S-077, S-146, S-183, S-263	Kim, Jeong Sook	O-047	Kodaman, N	S-214
Kadam, Leena	F-154, T-154	Keijser, Remco	T-179	Kim, Jiyoung	S-142	Kodaman, P	S-214
Kadam, Vinod	O-013	Kelepouri, Olympia	S-248	Kim, Joung W.	F-044	Koebnick, Corinna	F-260
Kaddu, R	T-085	Kelk, D	S-214	Kim, Jung-Sun	S-025	Koedooder, Rivka	O-025
Kaimal, Anjali	S-147	Keller, Irene	O-127	Kim, Soo Min	F-018, S-092	Koelper, Nathanael B.	S-230
Kaitu'u-Lino, Tu'uhevaha	O-042, T-199	Keller Wood, Maureen	S-090	Kim, Stephani S.	F-180	Koh, Yong Q.	F-003, S-007, S-234
Kaitu'u-Lino, Tu'uhevaha	T-201	Keller-Wood, Maureen	S-108	Kim, Su Hwan	S-056	Koh, Yong Kin	T-242
Kakuru, Abel	T-175	Kelly, AC	O-063	Kim, Sun K.	T-060, F-061	Kohan-Ghadir, Hamid-Reza	S-163
Kalish, Flora	F-253	Kelly, Amy C.	O-056, O-128			Kohlmeier, Amanda	S-238, F-240
Kallapur, Suhas	T-008	Kelsey, Lachlan J.	O-078			Kojima, Kaname	T-197
Kallapur, Suhas G.	T-018	Kemp, Matthew	O-008				

Publication Number Prefix Key

Oral Presentations

O-001 - 052 = **Thursday** Oral Presentations
 O-053 - 124 = **Friday** Oral Presentations
 O-125 - 160 = **Saturday** Oral Presentations

Poster Presentations

T-001 - 220 = **Thursday** Presentations
 F-001 - 221 = **Friday** Presentations
 S-001 - 221 = **Saturday** Presentations

Oral and Poster Abstract Author Index

Kojima-Kita, Kanako	T-232	Kuribayashi, Momoko	T-147	Laughney, Caitlin I.	T-189,	Lentscher, Jessica A.	F-034,
Kokoszynska, Marta	T-142	Kurlak, Lesia O.	T-190,		S-204		T-034
Kokotilo, Matthew	S-056		S-194	Laura, Knapik	T-244	León, Rubén	F-267
Kolarova, Teodora	T-071	Kurtzberg, Joanne	S-013	Laurent, Clara	S-135	Leong, Aaron	F-067
Kolchugina, Galena	S-148	Kusanovic, Juan Pedro		Laurent, Louise	F-177	Leppert, Phyllis	O-014
Kolesnikova, Lyubov	F-216		S-186	Laurent, Louise C.	S-135	Lesche, Ralf	T-050
Kominiarek, Michelle	T-068	Kwon, Eun Jin	F-018, S-092	Laux-Biehlmann, Alexis		Lessey, Bruce A.	O-004,
Kondoh, Eiji	T-021	Kwon, Ha-Yan	F-091,		T-037		T-213
Kong, Chow S.	S-235		O-153	Laven, Joop	O-025, T-219,	Levek, Claire	T-061, F-062
Koning, Anton H.	F-131	Kwon, Hayan	S-256		F-222, F-232	Levin, Edward	O-084
Koppam, Rohini	F-071,	Kwon, Ja-Young	F-091,	Laven, Joop S.	S-210, T-223	Levit-Rosen, Lorinne	F-130
	S-104		O-153, S-256			Lewy, Michael	F-212
Korem, Tal	O-010	La, Mylinh	S-201	Lavergne, Marilyne	F-020	Lewis, David	F-198, F-204
Koschinski, Andreas	S-029	Ladella, Subhashini	F-128	Lawlor, Debbie A.	F-196	Lewis, Emma L.	F-248,
Koser, Sarah	F-082	Ladino Torres, Maria	T-053	Lawrence, Dylan J.	F-176		T-252
Kostaki, Alice	F-097	Lagendijk, Jacqueline	S-137	Lawson, Angela K.	T-226,	Lewis, Holly	F-014
Kostaki, Alisa	S-118	Lager, Susanne	O-119,		F-226	Lewis, R	F-107, T-144,
Koster, Maria P.	F-131		F-205	Layden, Alexander	F-265,		F-167
Kosuke, Kawakami	F-072	Lagueux, Megan	T-061,		S-268	Lewis, Terrence D.	S-048
Koti, Madhuri	T-044		F-062	Layman, Lawrence C.	S-054	Lewkowicz, Adam K.	F-082
Kourembanas, Stella	O-151	Lahor-Soler, Eduard	F-267	Lazareva, Lyudmila	F-216	Lhakhang, Tenzin	F-105
Kowash, Hager M.	F-163	Lai, Andrew	T-023, F-122,	Lazarevic, Dejan	O-118	Li, Cun	T-084, F-092,
Koyuturk, Mehmet	S-003		O-133, F-136, T-183	Lazniewska, Joanna	T-108		F-094, S-095, F-101,
Kozakiewicz, Melissa	S-127	Lai, Jui-Chi	F-037	Lechner, Beatrice	T-024		T-116, F-117, F-161
Kozlova, Daria	S-155	Lai, Kent	F-244	Lechuga, Thomas J.	F-137	Li, Da	T-048
Kracht, Laura	T-117	Lai, Shengsheng	S-065,	Lee, Abigail H.	F-097	Li, Dajin	S-265
Kramer, Anita	S-164		T-066	Lee, Christine J.	S-074,	Li, Hongyu	T-025
Krantz, David A.	S-142	Lai, Y	S-063		S-075	Li, Hu	T-125
Kraus, W. Lee	S-149	Lai, Yunjia	O-076	Lee, Chungyan	F-237, T-240	Li, Huiying	O-010
Krause, B J.	O-130	LaMarca, Babbette	S-203,	Lee, Grace Y.	T-003	Li, Jia Hang	T-127
Kremer, Mallory E.	F-128		T-204	Lee, Han	O-140	Li, Jonathan K.	F-028
Kriegel, Alison	S-190	Lambalk, Cornelis B.	F-042	Lee, Ji Yeon	S-010, S-011,	Li, Junfei	T-116
Krikun, Graciela	S-258	Lambert, Kristin	F-124		F-013, T-013	Li, Linda J.	F-124
Krishnan, Mohan K.	T-056	Lambert, Lauren	T-028	Lee, Kyoung Jin	S-105	Li, Mengchen	S-090
Kropf, Pascale	T-014, T-015	Lamprianidis, Christos		Lee, Men-Jean	S-066	Li, Su	S-010, S-011, F-013,
Kropp Schmidt, J	F-230		O-159	Lee, Nigel	O-114		T-013
Ku, Seung-Yup	F-245	Lancaster, Tara	F-156	Lee, Stephanie M.	F-191	Li, Wei	T-030, S-040
Kublickas, Marius	F-190,	Landis, Jessica	O-083	Lee, Tiffany H.	F-021	Li, Weidong	T-267
	S-261	Lancy, Victoria	T-016, T-017	Lee, Vincent	F-202	Li, Xin	F-211
Kublickiene, Karolina		Langfranchi, Chiara	S-080	Lee, YS	F-107	Li, Yan	O-155
	F-190, S-261	Langlais, Paul	F-060	Lee, Yu Qi	S-085, S-088	Li, Yong	O-058, T-088
Kudo, Kei	S-121	Lanham, Michael	F-210	Lee, Yun	S-139	Liang, Liang	T-002, F-021
Kuhn, Katherine	S-208	Lanzzone, Antonio	S-222	Lee, Yun S.	T-009, F-014,	Liang, Luzhou	F-066
Kuhn, Katherine N.	T-209	Lappas, Martha	S-015,		O-030, O-034	Liang, Sheryne	S-079
Kuhr, Katy	F-024		F-086, O-089, F-136,	Lee, Yung Seng	S-110	Liao, Lan	O-048
Kukreja, Kamlesh	F-073		O-142	Lee King, Patricia Ann		Liberman, Towia	S-159
Kumagai, Yusaku	O-008,	Lara Cruz, Karina	S-220		S-183	Librach, Clifford L.	F-238
	F-115	Larasati, Tamara	T-232	Lees, C. C.	O-077	Liocardi, Frederick	T-126
Kumar, D	S-023, T-064	Larrea, Fernando	T-100	Lehmann, Henriette	S-112	Lifshitz, Lawrence	S-031
Kumar, Sailesh	F-003,	Larsen, Kellie F-002, O-103,		Lei, Jun	S-010, S-011,	Likes, Creighton E.	T-213
	S-007, S-234, T-242		O-138, F-203, F-263		F-013, T-013	Lill, Nancy	T-125
Kumar, Sathish	O-022,	Laskewitz, Anne	F-173,	Lei, Kaiyu	F-031	Lillycrop, Karen A.	T-086
	T-183		T-251	Leiper, James	T-012, F-015	Lim, Ratana	S-015, O-142
Kumar, T. Raj	F-242	Lassey, Sarah C.	T-115,	Leiva, Andrea	F-108	Lim, Rebecca	O-040, S-255
Kumatani, Satsuki	F-069,		S-119	Lemieux, Hélène	O-055	Limena, Alessia	S-272
	T-129, S-129, T-197	Latos, Paulina	O-156	Lemoine, Elizabeth	S-175	Limesand, Sean	S-083,
Kuno, Takashi	S-227	Laughlin-Tommaso, Shannon		Leng, Yuxin	F-021		F-109, F-110, F-111
Kuo, Yong-Fang	S-045		S-047	Lensen, Sarah	F-215	Limesand, Sean W.	O-056,
Kurbanov, Bakhodir	S-052			Lentscher, Jessica	S-034		F-162

Publication Number Prefix Key

Oral Presentations

O-001 - 052 = **Thursday** Oral Presentations

O-053 - 124 = **Friday** Oral Presentations

O-125 - 160 = **Saturday** Oral Presentations

Poster Presentations

T-001 - 220 = **Thursday** Presentations

F-001 - 221 = **Friday** Presentations

S-001 - 221 = **Saturday** Presentations

Oral and Poster Abstract Author Index

Limesand, SW	O-063	Lophatananon, Artitaya		MacDonald, Julie A.	S-254	Malik, Minnie	T-046, F-048,
Limsand, Sean W.	F-088,		S-120	MacDougall, Mitchell	F-238		S-048, T-049, O-136
Lin, Lawrence	O-128	Lopriore, Enrico	T-156	Macgowan, Christopher K.		Maloyan, Alina	F-092,
Lin, Qiong	T-123	Lorca, Ramon A.	O-021,		T-101		O-112
Lina, Bergman	T-050		S-111, S-114, S-167	MacGregor, Caitlin	T-069	Mami, Ishikuro	S-196
Lindenthal, Bernhard	S-264	Lorenzon-Ojea, Aline R.		Machtinger, Ronit	S-057	Mamillapalli, Ramana	
Lindgren, Isa M.	F-051		F-234	MacIntyre, David	F-140		O-116
Lindsey, Sarah H.	T-109	Louca, J. O.	S-058	MacIntyre, David A.	T-009,	Mamillapalli, Ramanaiah	
Linhares, Iara M.	F-176	Louey, Samantha	O-064,		F-014, O-030, O-034,		S-041, O-134, F-257
	S-053,		T-113		S-139, F-129	Mancini, Vanessa	S-232
	F-054	Louis-Jacques, Adetola		Mackova, Martina	T-253	Mandai, Masaki	T-021
Liong, Felicia	O-024		T-140	Maclean, Alison	O-115	Mandala, Maurizio	T-133,
Liong, Stella	O-024	Louis-Jacques, Adetola F.		Macones, George A.	S-065,		T-136
Liping, Feng	S-103		O-028, T-138, T-141		T-066, O-139	Mandelboim, Ofer	O-158
Lipschuetz, Michal	F-130	Loumaye, Ernest	S-001	Madaj, Zachary	T-051	Mandó, Chiara	T-215
Lisso, Fabrizia	T-215	Louwers, Yvonne	T-223	Madden, Nigel	T-265, S-266	Manek, Sanjiv	F-051
Lister, Rolanda	S-156	Lowery, Curtis	T-112	Madden, Nigel I.	S-180	Mani, Sneha	O-080
Little, Sarah E.	T-115, S-119	Lowery, Curtis L.	S-100	Madeline, Keleher R.	S-093	Mankouski, Anastasiya	
Liu, Bailin	T-088	Loxton, Deborah J.	F-268	Madrian, Erika	O-066		T-092
Liu, Huihu	S-006, S-026,	Lu, Jiangwen	S-021	Maeda, Kazuhisa	S-071	Manley, Charisma	S-192
	T-029, S-157, T-267	Lu, Jianping	S-232	Maekawa, Yuka	S-071	Manne, Bhanu K.	O-043
Liu, Kang	S-016	Lu, K	S-063, F-065	Maeng, Yong-Sun	O-153,	Manning, Shannon D.	S-014
Liu, Lilly Y.	F-070	Lu, Kun	O-076		S-256	Mansour, Mona	T-107
Liu, Shimeng	O-068	Lu, Ping	S-031	Maeng, Young-Sun	F-091	Mantovani, Elena	S-112
Liu, Tzu-Wei	F-037	Lu, Ye	S-040	Maestá, Izildinha	T-123	Manuck, T. A.	O-009, S-063,
Liu, Wei-Na	F-027	Lu, Yi	O-074	Magel, Maja	S-014		F-065
Liu, Xianlan	O-151	Lucas, Emma	F-255	Magness, Ronald R.		Manzari, Nicla	S-267
Liu, Yuan	T-151	Lucas, Emma S.	S-235,		O-044, F-044, F-135,	Mao, De Yu	S-016
Liu, Zhandong	O-114		T-237		T-138, F-199, F-200	Maoz, Myriam	S-155
Llerena Cari, Evelyn	F-244,	Ludvig, Rebecca A.	S-024	Magness, Ronald R	F-137	Marbax, Etienne	S-239
	T-245	Luiro-Helve, Kaisu	T-035	Mah, Richard	O-055	Marceline, Ngowe Ngowe	T-054
Llewellyn, Rachel	F-002	Lukowski, Samuel W.	S-039	Mahadevan, Sangeetha		Marchbein, Harvey	T-137
Lobach, Veronica N.	O-049	Lumbers, Eugenie R.	S-088,		O-048, F-084, O-114,	Marchesi, Julian	T-010,
Lock, M C.	S-113		S-144		T-243		F-014
Lock, Mitchell C.	T-101	Lun, Yuan	S-110	Mahadevan-Jansen, Anita		Marco-Jiménez, Francisco	S-257
Lockhard, Claude	F-204,	Luna Ramirez, Rosa I.			S-022, T-022		F-080,
	F-204		O-056	Mahajan, Vishakha	F-166	Marconi, Anna Maria	S-080, T-107
Lockhart, John	T-159	Luo, Fei	S-265	Mahany, Erica	F-269		S-148
Lockwood, Charles	O-138,	Luo, Kai	S-265	Mahendroo, Mala	T-016,	Marek, Nicole	T-260
	F-263	Luo, Xiaofang	S-109		T-017	Margozzini, Paula	S-146
Lockwood, Charles J.	F-002,	Luong, Raymond	O-024	Maher, Gillian M.	O-102	Maric, Ivana	S-269
	F-044, O-103, F-135,	Lyall, K	T-167	Maher, Jacqueline	T-246,	Marielle, Fortier	S-110
	T-138, T-159, T-191,	Lydon, John	O-132		F-246	Marin, Diego	O-083
	F-200, F-203, T-205	Lye, Phetcharawan	S-117	Maiko, Wagata	F-069	Marinello, William	T-158
Lockwood, Tina	T-071	Lye, Stephen	O-001, S-027,	Maines, Jaimie L.	S-173	Marinescu, Ponnla	T-032
Loiselle, Sarah-Eve	F-016		T-065	Mainigi, Monica A.	O-080	Marin Sierra, Estafania	F-016
Lomas-Soria, Consuelo		Lye, Stephen J.	O-075,	Maiti, Kaushik	S-107		F-250
	F-085, F-087		S-087	Maja, Mauriane	S-239	Marissen, Lotte M.	S-038,
Longo, Maria	S-272	Lyell, Deirdre J.	T-157,	Majidi Zolbin, Masoumeh	F-257		T-044
Longo, Sherri	T-183		F-159		O-085,	Marquardt, Ryan M.	O-004
Lopa, Samia	O-007, F-206	Lynn, Mary	S-079, F-079	Makieva, Sofia	T-081,	Marsh, Erica	S-047, T-051,
Lopes, Nayara A.	F-129	Lyu, Q.	O-053, S-058		O-118		O-104
Lopez, Julia	T-206	Ma, F	T-018	Makino, Shintaro	F-081,	Marsh, Erica E.	F-055,
Lopez de Jesús, Pablo	F-223	Ma, J	O-053, S-058		T-081		F-268,
López-Martínez, Sara	F-256,	Ma, Kimberly	T-071	Makoto, Nomiya	F-072	Marshall, Sarah A.	S-193
	S-257	Ma, Xiaofeng	T-229	Maksym, Katarzyna	O-148	Martin, Ashley	O-006,
López-Pérez, Nuria	F-256	Maas, Angela H.	O-037	Makwana, Komal	O-113		O-092, F-096, F-120
Lopez-Tello, J	T-134	MacAllister, Jan	F-220	Malemod, Charles	S-018		
López-Tello, Jorge	S-169	Macaulay, Valentine	F-051	Malik, Manasi	T-003, T-229		

Publication Number Prefix Key

Oral Presentations

O-001 - 052 = **Thursday** Oral Presentations

O-053 - 124 = **Friday** Oral Presentations

O-125 - 160 = **Saturday** Oral Presentations

Poster Presentations

T-001 - 220 = **Thursday** Presentations

F-001 - 221 = **Friday** Presentations

S-001 - 221 = **Saturday** Presentations

Oral and Poster Abstract Author Index

Martin, Francis L.	O-115	Mazaki-Tovi, Shali	S-020,	McRae, Allan	S-039	Miller, Suzie	S-116
Martin, Jacinta H.	F-147		T-076, T-077, O-090,	McRae, Karalyn E.	S-145	Miller, Thomas	T-092
Martin, Jessica J.	O-157		F-266	Meads, Morgan	F-177	Millette, Maya	O-104
Martinez, Daniel	S-049,	McAlarnen, Lindsey	F-079,	Mean, K	F-230	Mimori, Takahiro	T-129,
	F-049		S-079	Mechsner, Sylvia	F-040		T-197
Martínez-Mota, Lucia	T-098	McBride, Carole A.	S-132,	Meeker, John	T-261	Minakshi, Shukla	F-049,
Martin-Fairey, Carmel	T-005		S-188, F-219	Meeker, John D.	T-001,		S-049
Martini, Anne	F-212	McBride, Nancy	F-196		T-007, F-180, S-260	Minegishi, Naoko	T-129,
Maru, Saumya	T-125	McCabe, Laura	S-176	Mehri, Sepideh	T-126		T-197
Maruyama, Yojiro	F-081	McCarthy, Fergus	O-096,	Meikle, P	F-107	Miranda-Rius, Jaume	F-267
Marzorati, Anna	T-215		S-261	Meinhardt, Gudrun	F-159	Mi Rang, Seo	F-063
Masand, Ramya P.	O-065	McCarthy, Fergus P.	S-097,	Melbourne, Andrew	O-148	Mishra, Aruna	T-185
Masanobu, Ogawa	F-072		O-102, F-139, F-190,	Melbye, Mads	T-002	Mishra, Jay S.	O-022
Masao, Nagasaki	F-069		T-268, T-269	Mendelson, Carole C.	F-194	Mistry, Hiten D.	T-190,
Masato, Kamitomo	T-078	McCarthy, Ronald	T-005	Mendez, Dara	O-101		S-194
Masenga, Gileard	F-267	McCartney, Stephen	S-252	Méndez-Sánchez, Dayan		Mitchel, Olivia	S-140
Mason, Antoinette	S-135	McCartney, Stephen A.			T-100	Mitchell, Carolyn	S-019
Massie, Jamie A.	T-034		T-189, S-204	Menkhurst, Ellen	T-238	Mitchell, Jennifer A.	S-027
Massmann, Angela G.	F-090	McCathran, Charles	F-198,	Menon, Poorna	S-002	Mitchell, Murray D.	F-003,
Masson, Laura E.	S-022		F-204	Menon, Ramkumar	S-002,		S-007, S-234, T-142
Masukume, Gwinyai	T-268	McClarín, Lavisha L.	O-062		F-011, F-012, F-023,	Mitchell, Rod T.	F-103
Mata Greenwood, Eugenia		McClellan, Michael	O-067		O-035, O-071	Mitro, Susanna D.	F-258
	F-192	McClelland, Spencer	S-270,	Merabova, Nana	T-063,	Mitsialis, Alex	O-151
Matcher, Stephen	T-030		S-271		F-083	Mitsuzuka, Kanako	S-115
Maternal Death Exploratory		McClelland, W. Spencer	S-125, F-127	Mercer, B	S-023	Miwa, Satomi	O-115
Committee in Japan				Mercer, Brian	T-068	Miyazaki, Kaoru	F-240
and, Japan Association		McColl, Shaun M.	O-160	Meresman, Gabriela	F-235	Miyazawa, Mariko	S-115
of Obstetricians and		McConnell, Dan	O-122	Merrillat, Sean	O-001	Miyazawa, Masaki	S-115
Gynecologists	T-074	McCowan, Lesley	F-166	Mesbah, Michael	T-172	Mizuno, Kimio	T-147
Maternity Log Study Group		McCreary, J. Keiko	F-129	Mesiano, Sam	S-003, O-075	Mizuno, Tomoya	S-071,
	F-069, T-129, S-129,	McCutcheon, Cole	S-014	Mesiano, Sam A.	S-018		S-106
	T-197	McElrath, Thomas	T-257	Messerlian, GERALYN	T-024	Modi, Neena	T-010
Matevossian, Karine	F-208,	McElrath, Thomas F.	T-001,	Metz, Gerlinde	F-098	Moe, Yoroza	F-072
	S-245, T-264		T-007, O-149, F-180,	Metz, Gerlinde A.	F-129	Moffett, Ashley	O-079
Mather, Kieren J.	O-121		S-205, S-260	Meuleman, Christel	T-236	Mogami, Haruta	T-021
Mathers, Katherine	T-162	McGee, Elizabeth	S-188,	Meun, Cindy	O-037, T-223	Mohamed, Sara A.	S-249
Matheu, Emily	T-229		F-207, F-219	Meyer, Michael	O-109	Mohammadi, Raheleh	O-012
Matkin, Ashlee	F-129	McGowan, Kelly	F-159	Meyer, Raanan	S-057		
Matsubara, Keiichi	T-160	McIntyre, David	F-086,	Meyerkort, Claire	S-087	Mohammed Rasheed,	
Matsubara, Yuko	T-160		O-089, F-136	Mhallem-Gziri, Mina	F-153	Zahirrah B.	O-030
Matthew, Kemp W.	F-115	McIntyre, Kirsty R.	T-169	Michael, Michael A.	T-006	Mohaupt, Markus G.	S-194
Matthews, Kathy C.	F-071,	McKeegan, Paul J.	S-232	Michael, Navin	S-110	Mohd Nasri, Noor	T-012,
	S-104	McKenna, Sarah	T-245	Michelsen, Trond M.	T-166		F-015
Matthews, Stephen G.		McKinnon, Brett D.	S-039	Mielke, Michelle	F-183	Mohr Sasson, Aya	T-076,
	F-097, S-117, S-118,	McKinstry, Robert	O-139	Mijatovic, Velja	T-040,		T-077, T-214, F-266
	S-166	McKinstry, Robert C.	S-065,		F-042, F-045	Mohr-Sasson, Aya	S-057
Mattioli, Mauro	T-258		T-066	Mikhael, S.	T-070	Mokry, Michal	O-041
Matvienko-Sikar, Karen		McKnight, Robert	O-054	Mikhael, Sasha	S-209	Mol, Ben Willem J.	S-081
	S-267	McLane, Michael	F-013,	Mikhail, Magdy	T-185	Moldenhauer, Lachlan M.	
Maurice, Nicholas	S-252		T-013, T-056	Miller, G.	T-069		O-160, F-247
Maurice, Nicholas J.	T-189,	McLane, Michael W.	S-010,	Miller, Gregory	S-077,	Moley, Kelle H.	O-073
	S-204		S-011		S-146, S-263	Molineris, Ivan	O-118
Mauro, Amanda	T-202	McLaughlin, John	S-160	Miller, Jessica E.	S-038,	Molokane, Felicia	F-100
Mautz, Brian S.	S-046	McLaughlin, Marie	O-159		T-044	Monckeberg, Max	S-128,
Maxted, Marta	O-006,	McLean, Kelley	S-184	Miller, L	T-008, T-018		S-178
	O-092	McLean, Kelley C.	F-193	Miller, Lauren	T-032	Mönckeberg, Max	S-186
Maybin, Jackie	T-050	McManaman, James L.		Miller, Leah	PUB02	Mong, Ezinne	T-159
Mayo, Jonathan	T-182			Miller, Paul B.	T-213	Monica, Reis	O-151
		McQueen, Dana	O-086	Miller, R	T-167	Monks, Jennifer	T-139

Publication Number Prefix Key

Oral Presentations

O-001 - 052 = **Thursday** Oral Presentations

O-053 - 124 = **Friday** Oral Presentations

O-125 - 160 = **Saturday** Oral Presentations

Poster Presentations

T-001 - 220 = **Thursday** Presentations

F-001 - 221 = **Friday** Presentations

S-001 - 221 = **Saturday** Presentations

Oral and Poster Abstract Author Index

Monleón, Javier	T-047	Moylan, Hope	S-015	Nair, Soumyalekshmi S.		Nguyen, Minh Tam	F-029
Monsanto, Stephany P.		Muciño-Sandoval, Karla			F-136	Nguyen, Nicole A.	F-137
	T-044		T-094	Najeemuddin, Sayed	S-209	Nguyen, Philip V.	O-082
Monson, Martha	S-181	Mueller, Joerg	T-050	Nakahara, Angela	T-183	Nguyen, Tina Tu-Thu Ngoc	
Montalbano, Alina P.	F-194	Mueller, Martin	O-127	Nakamura, Masamitsu	T-156		F-238
Monteiro, Lara	S-178	Muench, Kristin L.	T-173	Nandu, Tulip	S-149	Nguyen, Tuong Vi	T-199
Monteiro, Lara J.	S-128	Mufti, Nada	O-148	Naofumi, Okura	F-072	Nguyen-Ngo, Caitlyn	S-015,
Montelongo, Emma	F-021	Muglia, Louis J.	O-033	Naoki, Nakaya	S-196		O-142
Montgomery, Grant	F-039,	Mukai, Mari	O-005	Naoko, Minegishi	F-069	Ni, Xin	F-027
	T-041, F-228	Mukherjee, Anika	T-177	Napso, Tina	T-146, S-170	Nicholas, L. M.	F-113
Montgomery, Grant W.		Mukherjee, Bhramar	S-260,	Naqvi, Anie	S-120	Nicholson, Wanda	S-047
	S-039		T-261	Narasimhan, Purnima	F-217	Nicol, Moira	T-050
Montoya, Dennis J.	T-175	Mukherjee, Prathama	F-147	Narayana, V	F-107	Nicolas Andres, Leocadia	
Moore, Amber R.	S-140	Mukherjee, S	T-008, T-018	Narice, Brenda F.	T-030		S-220
Moore, J. J.	S-023, T-064	Mukherjee, Shayanti	O-013	Nashif, Sreen	F-079, S-079	Nie, Guiying	O-040, S-201
Moore, L. G.	F-262	Mukhtarova, Narmen	T-133,	Nasr, Alexis	O-122	Nielsen, Julie H.	F-178
Moore, Laura J.	F-073		T-135	Nathan, David M.	F-067	Nijagal, B	F-107
Moore, Lorna G.	O-021,	Müller, Dominik N.	T-180	Nathanielsz, Peter	S-082,	Nijland, Mark J.	F-092
	S-111, S-114, O-126,	Muller, Ingrid	T-014, T-015		T-116	Nikkels, Peter G.	O-041,
	S-167, T-270	Muneyirci-Delale, Ozgul		Nathanielsz, Peter W.	T-084,		O-093, S-200
Moore, R	S-023, T-064		S-033, S-049, F-049		F-085, T-087, F-087,	Nisar, M. I.	O-072
Mor, Amir	F-213	Muñoz, Elkin	O-018		S-091, F-092, F-093,	Nishijima, Yoshihiro	S-115
Morales, Fernanda	T-260	Muraoka, Junsuke	F-078		F-094, S-095, O-097,	Nitsos, Ilias	S-116
Moran, Carmel M.	F-165	Murphy, Susan K.	O-084		T-097, T-098, T-099,	Niu, Y	S-113, O-130
Moran, Carmel S.	O-078	Murray, Alison	T-050		T-100, F-101, F-117,	Niu, Y.	O-053, S-058,
Moravek, Molly B.	F-055,	Murray, Andrew J.	T-163		T-128, F-161		O-077, F-113, T-196
	T-055, F-210	Murray, Deirdre	S-097	Navarro, Roser	O-150	Nixon, Brett	F-147
Moreira Espinoza, Maria J.		Murray, Henry S.	F-268	Nay, Gina C.	F-150	Niznik, Charlotte	T-067
	T-090	Murray, Sarah R.	T-271	Nayak, Nihar	S-237	Noble, Ronan M.	O-055
Morelli, Sara S.	S-229,	Murtha, Amy	S-013	Naylor, Bradley	F-004	Nobuo, Yaegashi	S-196
	F-249	Murthi, Padma	S-144	Nazri, Hannah M.	F-041,	Nomiyama, Makoto	S-071,
	F-092	Musk, Gabrielle	O-008		S-044		S-106
Moreno, Antonio J.	F-198, F-204	Musku, Gabrielle C.	F-115	Neal-Perry, Genevieve		Noonan, Kate	T-096
Morgan, Peltier	T-172	Muter, Joanne	T-237		O-122	Norman, Jane E.	F-009,
Morgan, Terry	O-133, S-148	Muzzio, Damián O.	T-174,	Negi, Masaru	S-143		O-032, S-064, T-271
Morgan, Terry K.	O-112		S-250	Neighbors, Jeffrey	T-125	Norrie, John	S-064
Mori, Trevor	S-087	Myatt, Leslie	S-165	Neill, Joanna C.	F-163	Northington, Frances F.	
Moritz, Karen	S-110	Myers, Dean	O-006, O-092,	Nelson, J. L.	T-189, S-204		O-062
Morosin, Saije K.	F-147		F-096, F-120	Nelson, J. Lee	S-252	Norwitz, Errol R.	F-237,
Moroz, Leslie	S-055, S-059,	Myers, Dean A.	S-102	Nelson, Jennifer	S-070		T-239, T-240
	S-060, S-131	Myers, Jenny	S-179	Nelson, Linda R.	F-214	Notaristefano, Giovanna	
Morré, Servaas	O-025	Mysorekar, Indira U.	F-171	Nelson, Rachel A.	S-251		S-222
Morris, Robert	T-122, S-123	Myung, Lidia	F-234	Nemeth, Elizabeta	O-036,	Novak, Christopher M.	
Morris, Robert T.	S-122,	Na, Quan	S-010, S-011,		O-146		F-013
	F-226, F-231		F-013	Newman, Roger B.	T-063	Novielli, Chiara	T-215
Morrison, J	T-008	Nadal, Alfons	F-267	Newmann, Sara	F-021	Nuss, Emily E.	T-119
Morrison, J. L.	S-113	Nadeau, Hugh C.	O-092	Newnham, John	O-008	Nwabubi, Chinedu	T-191,
Morrison, Janna L.	T-101	Nadeau-Vallée, Mathieu		Newnham, John P.	F-115		F-203
Morse, Abraham N.	S-026		F-016	Newschaffer, C	T-167	Oakes, Megan	F-074
Morselli, M	T-018	Nadeem, Lubna	S-027,	Newton, J. Michael	S-022	Obendorf, Maik	F-051
Mortlock, Sally	S-039		O-075	Ng, Allen C.	F-237, T-240	O'B Hourihane, Jonathan	
Morton, JS	O-129	Naftolin, Frederick	F-029	Ng, Michelle	T-239		S-097
Morton, Jude S.	O-152,	Nag, Jeetendra Kumar	S-155	Ng, Mor Jack	S-199	O'Brien, Christine M.	
	O-154	Nagasaki, Masao	S-129,	Ng, Nicholas W.	T-257		S-022, T-022
			T-129, T-197	Ng, Shu-Kay	F-237, T-240	O'Brien, Darrah	F-051
Morton, Susan M.	T-268	Nagel, Jens	S-050	Ng, Shu-Wing	F-237, T-239,	Ochi, Daisuke	S-129, T-129,
Motta, Eduardo L.	F-234	Naghi, Andrada	S-118		T-240		T-197
Mounce, Ginny	F-252	Naho, Tsuchiya	S-196	Ngan, Emily	F-177	Oddy, Wendy	S-087
Mowla, Shahriar	F-140			Nguyen, Duy	S-221	Oehninger, Sergio	F-241
Moye, J	T-167						

Publication Number Prefix Key

Oral Presentations

O-001 - 052 = **Thursday** Oral Presentations

O-053 - 124 = **Friday** Oral Presentations

O-125 - 160 = **Saturday** Oral Presentations

Poster Presentations

T-001 - 220 = **Thursday** Presentations

F-001 - 221 = **Friday** Presentations

S-001 - 221 = **Saturday** Presentations

Oral and Poster Abstract Author Index

Ogawa, Masanobu	S-071, S-106	Ortiz Ortiz, Jairo	T-016, T-017	Pankey, Christopher	F-093, O-097	Pavlidis, Ioannis	O-032
Ogawa, Noriko	S-094	Orvieto, Raoul	S-057, T-214	Pankey, Christopher L.	T-087, S-091	Pavlovic, Jelena	O-122
Ogle, Jason	O-001	Orvis, Austyn	O-001	Panting, Emma N.	F-165	Pavone, Mary Ellen	O-086, S-215, T-226, S-226, S-226
Ogunyemi, Dotun	T-060, F-061	Osamu, Tanabe	F-069	Papaleo, Enrico	O-085, O-118, T-218, S-219, S-231, S-272, T-272	Payne, Matthew S.	T-011
Ohashi, Masanao	T-078	Oseghale, Osezua	O-024	Papin, James	O-006, O-092, F-096, F-120	Peaceman, Alan M.	T-059
Ohashi, Masanao	F-078	O'Shaughnessy, Michelle M.	T-182	Parashuram, Santosh	F-183	Pearce, William J.	T-114
Ojaniemi, Marja	S-004	O'Shaughnessy, Peter	S-101	Parast, Mana	S-135	Peddada, Shyamal	S-099
Oji, Asami	T-232	O'Shaughnessy, Peter J.	F-103, F-121	Parborell, Fernanda	F-151	Peebles, Donald M.	S-017
O'Keefe, Gerard W.	O-102, S-267	Osol, George	T-133, T-135, T-136	Parchem, Jacqueline	F-188	Peeraer, Karen	T-236, S-242
O'Keefe, Majella	O-057	Osornio-Vargas, Alvaro	T-259	Pardo, Noam	F-266	Peiris, Hassendrin N.	F-003, S-007, S-234, T-242
Okolie, Francesca O.	T-119	Ospina, Maria B.	S-056, T-127, T-187, T-259	Paria, B.C.	T-005, T-022	Peixin, Yang	T-103
Oktay, Kutluk	O-050	Osteen, Kevin G.	O-029	Paria, Bibhash C.	T-028	Pell, Jill P.	T-271
Okuka, Maja	F-135, F-200	Osuga, Yutaka	F-233	Parikh, Toral	T-049	Pellegrini, Livia	S-247
Okura, Naofumi	S-071, S-106	Othman, Essam R.	F-042	Parikh, Toral P.	S-048	Pellegrini, M.	T-018
Oldmeadow, Christopher	F-268	Ott, Sascha	S-235, T-237	Park, Hee Jin	S-105	Pellicer, Antonio	O-018, T-047, S-247, F-256
O'Leary, John J.	O-024	Ourselin, Sebastian	O-148	Park, Ju Y.	O-080	Peltier, Morgan R.	F-011, F-012, F-036, F-077, F-119, F-261
O'Leary, Thomas	T-133	Overcash, Rachael	S-135	Park, Mi Hye	F-018	Penalver Bernabe, Beatriz	S-141
Oler, Ann	S-072	Overton, Eve E.	S-180	Park, Sangshin	T-024	Pendleton, AL	O-063
Olerich, Kelsey L.	T-206	Owaydhah, Wejdan	F-164	Park, Yejin	F-091, O-153, S-256	Pendleton, Alexander	F-109
Oliphant, Sallie	F-053	Owen, David	S-149	Parker, Louis P.	O-078	Pendleton, Alexander L.	F-088, O-128
Oliveria, Paulo J.	F-092, O-097	Ozanne, S. E.	S-089, F-113	Parker, Richard	S-051	Peng, Chao	S-040
Olsen, Richelle	S-135	Ozarslan, Nida	T-175	Parks, Tony	F-265, S-268	Peng, Wei	F-157
Olson, Amber T.	S-270, S-271	Ozen, Maide	T-013, T-056	Parks, W. T.	T-195	Pennell, Craig E.	S-087, F-270
Olson, David	F-016, F-098	Ozmen, Asli	F-002, O-103, O-138, T-191, F-203, F-263	Parks, William	O-101	Pennings, Jeroen L.	O-061
Olson, David M.	F-129, O-140	Pace, Ryan	F-004	Parlaktas, Hatice	T-247	Pennington, Kathleen	T-228
O'Mahony, Siobhain M.	F-139	Pacora, Percy	F-189	Parnell, Lindsay A.	F-171	Pennington, Kathleen A.	O-026, F-089, S-133
Omaña-Guzmán, Isabel	T-093, T-094	Padmanabhan, Vasantha	F-055	Parobchak, Nataliya	S-005	Penova-Veselinovic, Blagica	F-270
Omaña-Guzmán, Luz I.	F-095	Padron, Justin G.	F-022	Parolini, Ornella	T-258	Pensabene, Virginia	S-232
O'Neill, Kathleen	S-086	Paffoni, Alessio	O-085	Parrilla, Bina	T-215	Perales, Alfredo	O-150
O'Neill, Marie	T-093, T-094	Page, Jessica M.	T-079, F-104, T-148, S-181	Parry, Samuel	T-068	Peregrin-Alvarez, Irene	S-122
O'Neill, Marie	F-095	Pagliardini, Luca	O-085, O-088, T-218, S-219, S-231, T-272	Parvari, Ruti	O-033	Pereira, Susana P.	F-092, O-097
Onel, Tugce	T-247	Paidas, Michael	O-127	Pasanen, Anu	S-004	Pérez, S.	O-002
Oneta, Monica	T-215	Palacios, Julia	S-172	Pasque, Katherine B.	T-055	Pérez, Teresa P.	T-097
Ong, Yih R.	S-255	Palaskas, Nicolaos	O-036	Pasternak, Monica	T-216	Perez-Deben, Silvia	O-019, T-039
Onishi, Kazuma	T-147	Palatnik, Anna	F-068, S-190	Pastore, Mayra B.	O-044	Pérez-Deben, Silvia	T-241
Onushko, Meghan	O-140	Palma, Carlos	T-023, T-183	Pasupathy, Dharmindra	F-197	Perle, Maryann	F-105
Oostingh, Eline	T-223	Palmer, Theo D.	S-140, T-173	Patankar, Manish	F-195	Perlman, Barry E.	F-249
Oppermann, Udo	T-037, F-051	Palmeri, Mark	T-020	Patel, Bindu	F-214	Perlman, Nicola C.	T-080
Orfeo, Thomas	S-184, F-193, F-219	Panahi, Sareh	O-055	Patel, Krunal	T-057, T-178	Perrin, Lewis C.	O-133
Orgeig, S	S-113	Panaiteescu, Bogdan	F-189	Patel, Priya	F-079	Peruzzza, Davide	T-258
Ortiga-Carvalho, Tania M.	S-166	Panelli, Danielle M.	S-074	Patel, Vaishvi	F-129	Perry, Helen	S-112, F-134
Ortiz, Danae	F-223	Panina-Bordignon, Paola	O-045	Patil, Ninad M.	O-065	Perry, Ivan J.	S-261
Ortiz-Hernández, Luis	T-094, F-095	Panir, Kavita	S-228	Patrick, Haylea S.	S-158	Perry, Joanna	F-215
				Patrick, Kathryn E.	F-029		
				Patterson, Amanda	T-051		
				Pattillo, Mia	S-246		
				Paul, Emmanuel	F-169		
				Paul, Rachel	T-206		
				Paul, Soumen	T-149		
				Pauli, Jaimey M.	S-173		

Publication Number Prefix Key

Oral Presentations

O-001 - 052 = **Thursday** Oral Presentations
 O-053 - 124 = **Friday** Oral Presentations
 O-125 - 160 = **Saturday** Oral Presentations

Poster Presentations

T-001 - 220 = **Thursday** Presentations
 F-001 - 221 = **Friday** Presentations
 S-001 - 221 = **Saturday** Presentations

Oral and Poster Abstract Author Index

Persoons, Eleonora	F-043	Por, Elaine	F-227	Quiniou, Christiane	F-016	Rebecchi, Agnese	T-218
Perumal, Sunthara R.	T-101	Porrett, Paige M.	F-248,	Quinn, Amy	T-116	ReceptVFity Study Group	
Peshavaria, Mina	S-134		T-252	Quinn, Eve	T-269	O-025	
Peterman, Scott M.	S-205	Porter, Anne	T-110	Quinn, Kristen H.	S-127	Reddy, Uma	O-010
Peterse, Danielle	O-066	Portnoy, Sharon	T-101	Quiñonero, A.	O-002	Redman, Emily	F-187
Peterson, Ashley	F-025	Poseiro coutinho Pinto,		Quiñonero, Alicia	O-018,	Redman, Emily K.	S-206,
Peterson, Laura	F-186	Silvia	F-043	O-019, T-039,	T-241		T-207
Peterson, Nichole	S-145	Post, Martin	O-039	Quint, Elizabeth H.	T-053	Reep, Daniel T.	F-191
Petraglia, Felice	F-052	Post, Miriam D.	T-121	Quiroz, Alonso	S-233	Reese, Jeff	T-005, T-022,
Petroff, Margaret	S-014	Postolache, Theodore	T-140	Quon, Anita	T-194	S-022, T-028	
Phacton, Rebecca	F-124,	Poston, Lucilla	O-057,	Qureshi, Saiqa	F-021	Reeves, Shane	F-112, T-120
	T-125		T-086, F-197	Rabaglino, Maria B.	T-090	Rega, Matthew	T-057
Pham, Tam	S-201	Potter, Harry G.	F-163	Rabellotti, Elisa	O-088	Regnault, Timothy	F-144,
Phan, Vy	S-043	Powe, Camille E.	F-067	Racca, Annalisa	T-218		T-162
Phillippe, Mark	T-004	Powell, Theresa L.		Racicot, Karen	F-169	Reich, Adrian	T-244
Philpott, Martin	F-051	O-003, O-089, O-126,		Racusin, Diana	F-004	Reid, Michaela	O-073
Pi, Hanoll	F-091, O-153,	F-149, F-161, S-162,		Radford, Katie	F-123	Reilly, Devin M.	S-173
	S-256	S-164, T-166, S-167		Rae, Kym M.	S-085, S-088	Reinhard, Nubbemeyer	
Pickett, Kaci	T-061, F-062	Powell, Theresa L	O-143	Rager, J	O-009		S-221
Picton, Helen M.	S-232	Powers, Robert W.		Raghu, Mirmira G.	S-070	Reis, Fernando M.	O-049
Piening, Brian	T-002	O-027, T-091, S-136,		Raghuraman, Nandini	T-206	Renaud, Stephen J.	O-111
Pifi, Christian	F-121	S-138, T-181, F-184		Ragusi, Lavinia	S-239	Rengarajan, Aishwarya	
Pilgrim, Justin	S-048, T-049	Prabagara, Monali	T-229	Raha, Sandeep	F-158		F-195, T-202
Pillai, R	T-144, F-167	Pradhan, Shashwati	T-227	Rahil, Tayyab	S-211	Renkonen, Risto	O-119
Pilliod, Rachel	T-062, S-073	Prairie, Elizabeth	F-016	Rahmioglu, Nilufer	T-043	Renshall, Lewis	O-108,
Piltonen, Terhi	T-035	Prakash, Kirtika	O-023,	Raia, Nicole	F-025		F-148
Piltonen, Terhi T.	O-119		T-083, S-134	Rainczuk, Kate	T-238	Reubinoff, Benjamin	F-225
Pin, Li	S-006	Prakash, Y.S.	O-070	Rajagopal, Lakshmi	O-001	Reuter, Darlene	O-006,
Pinard, Vanessa	S-049,	Prasannan, Lakha	T-137	Rajakumar, Augustine	T-192,	O-092, F-096, F-120	
	F-049	Preeclampsia Triage by			S-192, T-192		
Pintado, David	T-216	Rapid Assay (PETRA)		Rallya, William	S-213	Revel, Ariel	O-120, F-225
Pinto, Silvia	O-081		S-182	Ramakrishnan, Rajesh		Reversade, Bruno	T-198
Pisarska, Margaret	S-175	Preno, Alisha	O-006, O-092,		O-048	Reyes-Castro, Luis	S-082
Platner, Marissa	S-143		F-096, F-120	Rämet, Mika	S-004	Reyes-Castro, Luis A.	
Plösch, Torsten	F-173	Presicce, P	T-008	Ramirez, Valeria	S-186	F-087, T-098, T-099,	
Plougaestel-Douglas, Beatrice		Presicce, Pietro	T-018	Ramos, Gladys	S-135	T-128	
	F-141	Pressman, Eva	T-032	Rampersaud, Amanda M.		Reynaud, Deborah	T-124
Pluchino, Nicola	S-041	Previs, Michael	T-133		O-111	Reynolds, Steven	F-007
Pluijm, Saskia M.	S-210	Price, Christopher	S-244	Ramyead, Lauriane	S-041	Reyzer, Michelle	T-022
Plummer, Katie	S-140	Prifti, Kevin K.	O-073	Rana, Rima	T-057	Riaposova, Lucia	S-028
Plunkett, Beth A.	S-068	Pringle, Kirsty G.	S-085,	Rand, Larry	F-021	Ribeiro, Maria L.	F-151,
Podda, Gian Marco	F-080		S-088, S-144, F-147	Rand, Matthew D.	T-132		F-235
Pohl, Oliver	S-001	Prins, Jelmer	F-173	Räsänen, Juha	S-001	Ribeiro, Maria Laura	T-230
Polanco, Angela	F-255	Prins, Jelmer R.	T-117,	Rashidova, Maria	F-216	Rice, Greg	S-186
Polasky, Dan	T-224		F-247, F-250, T-251	Rasiah, Stephen S.	S-173	Rice, Gregory	S-128, S-178
Polglase, Graeme	S-116	Pritchard, Natasha	O-042	Rasmussen, Marie-Louise H.	T-002	Richardson, Lauren	S-002,
Polin, Melanie	S-059, S-060,	Privitera, Laura	O-088,		T-002		F-023, O-071
	S-131		S-219	Rasool, Aisha	S-094, S-098	Richter, Kevin	F-212, S-212,
Pollard, Jeffrey W.	F-038	Prlc, Martin	S-252	Rastegar, Vida	S-211		S-213
Pollheimer, Juergen	F-159	Pudwell, Jessica	S-145	Raterman, Sophie	F-009	Rieck, Rebecca E.	T-142
Pollheimer, Jürgen	O-156,	Puglisi, Gianluca	O-085	Ravel, Jacques	S-012	Riel, Jonathan	S-066
	T-254	Purdy, MacKenzie	F-050	Ravikumar, Nithin	T-192	Rigotti, Attilio	S-233
Polotsky, Alex J.	O-087,	Purdy, MacKenzie P.	O-070	Ravix, Jovanka	O-070	Rincon, Mercedes	T-083
	T-209, T-245	Putri, Dira S.	F-170	Rawlings, Thomas M.	O-113	Rincon Camacho, Julio Cesar	T-231
Ponnampalam, Anna P.		Qi, Hongbo	S-109, S-152,	Ray, Natalie	T-133		
	F-166, F-215		F-157, S-195, T-200	Ray, Soma	T-149	Ris-Stalpers, Carrie	T-179
Poore, Kirsten R.	S-094,	Qi, Qianrong	F-137	Realini, Ornella	S-128,	Rita, Vassena	S-241
	S-098	Qu, Mingzi	S-031		S-186	Rivens, I.	O-077
Poort, Linda	O-025	Quenby, Siobhan	F-255	Rebecca, Fry C.	F-143	Rivera, Christine C.	F-059

Publication Number Prefix Key

Oral Presentations

O-001 - 052 = **Thursday** Oral Presentations

O-053 - 124 = **Friday** Oral Presentations

O-125 - 160 = **Saturday** Oral Presentations

Poster Presentations

T-001 - 220 = **Thursday** Presentations

F-001 - 221 = **Friday** Presentations

S-001 - 221 = **Saturday** Presentations

Oral and Poster Abstract Author Index

Rivera, Gabrielle C.	F-059	Ronnett, Brigitte	T-016	Saiki, Mie	F-183	Sawamura, Tatsuya	O-152
Rivera, Ivelisse	S-224	Roos-Hesslink, Jolien W.		Saini, Brahmdeep S.	T-101	Sawyer, Michala R.	T-004
Rivera, Moises	S-140	Rosario, Fredrick J.	F-131	Sainio, Susanna	F-116	Saxena, Richa	O-149
Rivera-Alsina, Manuel E.		Rosado-Mendez, Ivan	T-020	Saito, Masatoshi	F-115	Sazawal, S	O-072
	F-059	Rosamilia, Anna	O-013	Saito, Mastoshi	O-008	Sbracia, Marco	F-239
Rivera-Castañón, Edgar Iván		Rosario, Fredrick J.	O-126, F-149, T-166	Salafia, C	T-167	Scaife, Paula J.	T-190, S-194
	T-093	Rosario, Zaira	T-261	Salafia, Carolyn M.	T-156	Scandlyn, Jean	T-270
Roasario, Fredrick J.	O-089	Rosen, Aaron	T-211	Saleh, Farrah L.	O-123, F-123	Scarinci, Elisa	S-222
Roberts, Claire T.	T-250	Rosen, E	S-207			Scarpellini, Fabio	F-239
Roberts, Drucilla J.	S-147, T-150	Rosen, Elisabeth	T-070, F-208, T-264	Saleh, Leila	O-156	Schachter-Safrai, Natali	
Roberts, James	T-195	Rosen, Elizabeth	S-245	Sallam, Nada A.	T-111	Schaeke, Heike	T-221
Roberts, James M.	S-206, T-207, T-270	Rosen, Monica W.	T-053	Salmon, Jane E.	S-251	Schaefer, Sebastian	F-040
Robertson, Sarah	F-016	Rosen, Todd	S-005	Salomon, Carlos	T-023, F-086, O-089, F-122, O-133, F-136, T-183	Schalekamp-Timmermans, Sarah	F-160
Robertson, Sarah A.	O-154, O-160, S-228, F-247, T-250	Rosenblatt, Kevin P.	T-001, T-007, S-205	Salonia, Andrea	S-272	Schander, Julieta	F-167
		Rosenblatt, Kevin P.	T-001, T-007, S-205	Salsano, S.	O-002	Schatz, Frederick	
Robial, Renata	S-053, F-054	Rosenwaks, Zev	T-216, S-217, T-217	Salsano, Stefania	O-019, T-039, T-241	F-002, O-103, O-138, T-159, T-191, F-203, T-205, F-263	
Robins, Jared	O-086	Rossouw, Theresa	F-100	Sameshima, Hiroshi	F-078	Schauer, Irene	S-208
Robins, Jared C.	T-226	Röst, Hannes	T-002	Sammel, Mary D.	S-230	Scherjon, Sicco	F-173
Robinson, Beatriz G.	T-173	Rousian, Melek	T-095	Sanchez, Ana M.	O-088	Scherjon, Sicco A.	T-117, F-250, T-251
Robinson, Erin	T-227	Rowe, Stewart	T-127	Sanchez, Ana Maria	S-231		
Robinson, Joshua F.	T-175	Rozance, Paul	F-111	Sánchez-de-Puerta, Irene	F-243	Schiff, Eyal	T-077
Robinson, Julian N.	T-115, S-119	Rozance, Paul J.	T-105			Schiffrin, Barry S.	S-062, S-076
		Ruano San Martin, Camino	O-030	Sánchez Romero, Maria del Rosario	S-220	Schivardi, Gabriella	F-080
Robuck, Michael F.	T-022	Rubenstein, Gillian	F-055	Sanda, Hadje	S-198	Schjenken, John E.	S-228
Rochelson, Burton	T-137, S-142	Rubinstein, Mara Roxana	S-016	Sanders, Brooke	F-177	Schlabritz-Lutsevich, Natalia	S-130
Rocke, Zoe	T-057		S-016	Sandoval, Jeryl	T-245	Schleiss, Mark R.	F-170
Rodriguez, Zahidee	O-137	Rudina, Tatyana	S-155	Sandovici, I	T-134	Schlesinger, Yechiel	F-083
Rodriguez-González, Guadalupe L.	T-097	Russell, Stewart J.	F-238	Sandovici, Ionel	S-169	Schluter, Ryan	S-066
Rodriguez-Gonzalez, Guadalupe	F-087	Russo, Valentina	T-258	Sang Hoon, Lee	F-245	Schmella, Mandy	T-195
Rodriguez-González, Guadalupe L.	T-098, T-099, T-100, T-128	Rutherford, Mary	S-176	Sangi-Haghpeykar, Haleh	O-026	Schmidt, Jenna	O-109
		Ryan, Neil	S-120	Sangkhae, Veena	O-036, O-146	Schmidt, Loren J.	F-128
Rodriguez-González, Guadalupe L.	T-098, T-099, T-100, T-128	Ryan, Roisin M.	S-097			Schmoll, Maria S.	T-058
		Rychik, Jack	F-130	Santi, Celia	F-006	Schoeberlein, Andreina	O-127, O-147, F-175
Roeca, Cassandra	O-087	Ryniec, Jessica	F-207	Santor, Nanette	O-122, S-208	Schoenmakers, Sam	O-025, T-095, T-208
Roeder, Hilary	S-135, F-177	Saadat, Saba	S-153			Schointuch, Monica	T-225
Roeters van Lennep, Jeanine E.	O-037, F-160	Saade, George	T-068, T-089	Santos, Maria S.	F-092	Schon, Samantha B.	T-224
Rogan, Sarah C.	O-007, F-187, T-193, F-206	Saavedra, Francisco	S-186	Santoso, Andrew	T-020	Schoonmade, Linda J.	S-081
		Saavedra, Fujiko	S-233	Sapin, Vincent	F-020	Schott, Sarah	F-130
Rogers, Jackson	T-028	Sab, Sab Melvin	T-054	Sarais, Veronica	O-085, S-272	Schotzko, M	F-230
Rogers, Jackson H.	T-005, T-022	Sabah, Aayat	O-103			Schrott, Rose	O-084
		Sacha, Caitlin R.	S-147, T-150	Saraswat, Mayank	O-119	Schumacher, Tracy	S-088
Rogers, Lisa M.	O-029	Sacher, Frank	T-050, S-050, T-221	Sargent, Ian L.	O-152	Schüring, Andreas	F-040
Rogers, Michael S.	O-066	Sachie, Suga	T-078	Sarkar, Anujit	O-028	Schust, Danny J.	T-235
Rogers, Peter	F-039, T-041, F-228	Sadanathan, Suresh	S-110	Sarnthiyakul, Sassi	F-137	Schwab, Matthias	F-087
		Saed, Ghassan M.	S-122, T-122, S-123	Sarracino, David A.	S-205	Schwartz, Alan L.	S-065, T-066, O-139
Rogers, Peter A.	T-038, S-039	Saez, Tamara	T-194	Sasaki, Aya	F-097	Schwartz, Nadav	F-130
		Saffery, Richard	S-109	Sato, Shinichi	O-008, F-115	Schwenkel, George	F-010, O-031
Roman, Robert A.	S-122	Safrai, Myriam	F-225	Satoshi, Hiya	F-069	Scotti, Giulia M.	O-118
Romero, Hedy	O-075	Sagrillo-Fagundes, Lucas	F-142	Saunders, Philippa T.	T-036, S-248	Scotti, Leopoldina	F-151
Romero, Monica	S-191						
Romero, Roberto	F-010, O-031, S-128, F-189	Sahin, Cagdas	F-035	Savage, Megan E.	S-104		
Romolo, Di Iorio	F-030	Sahin Ersoy, Gulcin	F-257	Savaris, Ricardo	T-213		
				Savasi, Valeria	T-215		
				Savelkoul, Paul	O-025		

Publication Number Prefix Key

Oral Presentations

O-001 - 052 = **Thursday** Oral Presentations
 O-053 - 124 = **Friday** Oral Presentations
 O-125 - 160 = **Saturday** Oral Presentations

Poster Presentations

T-001 - 220 = **Thursday** Presentations
 F-001 - 221 = **Friday** Presentations
 S-001 - 221 = **Saturday** Presentations

Oral and Poster Abstract Author Index

Scott III, Richard	O-083	Shanker, Scott A.	S-151,	Sibley, Colin	F-148, S-171,	Smith, Gordon C.	O-011,
Sculley, Dean V.	S-085		S-159		S-202		F-196
Sebastian-Leon, Patricia		Shalaan, Walid	F-040	Sicard, Delphine	O-070	Smith, Graeme N.	S-145
	O-052	Shalom-Barak, Tali	T-161	Siddiq, Zainab	F-058	Smith, Kristen N.	T-226
Sebastian-León, Patricia		Shamshirsaz, Alireza A.		Siddiqi, Anwer M.	F-244	Smith, Miriam	S-120
	S-247		F-073, T-157, S-262	Sidell, Neil	S-192, T-292	Smith, Peter	F-202
Sebire, Neil	F-205	Shamshirsaz, Amir A.	T-157,	Sie, Lillian	S-074, S-075	Smith, Roger	T-026, F-026,
Seed, Mike	T-101		S-262	Siegel, Ashley	O-061		S-107, F-268
Seed, Paul T.	O-057, T-086	Shan, Nan	S-152	Sierra-Ramirez, José A.		Smith, Yolanda R.	T-053
Seers, Blake M.	O-038	Shanmugam, Muruganandan			T-128	Snyder, Michael	T-002,
Seferovic, Maxim D.	F-004		S-237	Signorini, Stefano	F-030		F-021
Segars, James	O-014, F-246,	Shao, Xuesi M	T-088	Silver, Robert	T-068	So, Jeewon	S-016
	T-246	Sharbaugh, Danielle	O-007,	Silver, Robert M.		Sofiyeva, Nigar	F-123
Seguinot, Inevy I.	S-042		F-206		T-079, F-104, T-148,	Sohn, Christof	F-130
Sehring, J.	S-207	Sharma, A	S-023, T-064		T-157, S-159, S-181	Sojka, Dorothy K.	F-141
Sehring, Jacqueline	F-208,	Sharma, Binod B.	F-268	Simchen, Michal J.	S-057	Sokolksa, Magdalena	O-148
	S-245, T-264	Sharma, Shayna	O-133	Simeoni, Fabio	O-118	Solis, Mario	F-085
Sekar, Renuka	F-003, S-007,	Sharma, Sourabh	F-079	Simhan, H.	T-069	Soma, Jean-Marie	O-014
	S-234, T-242	Sharps, Megan	F-145, F-172	Simhan, Hyagriv	S-077	Somigliana, Edgardo	O-085,
Selamet Tierney, Elif Seda		Shaw, C. J.	O-077	Simmons, Rebecca	S-086		T-218
	F-217	Shaw, Gary M.	T-182, S-269	Simon, Carlos	O-150	Sompolskyn, Yishai	O-158
Selemidis, Stavros	O-024	Shaw, Sally F.	F-036, O-091	Sims, Holly	O-014	Son, Ga hyun	S-174
Seli, Emre	O-083, F-213	Shaw, Sophie	F-103	Simsek, Burcin	F-213	Son, Moecun	F-064, F-066
Seligman, Neil	T-032	Shawber, Carrie J.	S-229	Sinait, Ninet	S-043	Son, Shannon L.	F-104
Selvam, P	T-144, F-167	Shawky, Sarah	F-158	Singer, Martin	O-025	Song, Cassaundra	F-019,
Semerci, Nihan	F-002,	Shchuka, Virlana M.	S-027	Singh, Bhuchitra	O-014		F-022
	O-103, O-138, F-263	Sheen, Jean-Ju	F-058	Singh, Claire	O-057	Song, Han	S-040
Semino, Claudia	O-045	Shek, L	F-107	Singh, Natasha	F-031, F-251	Song, Junjiao	S-103, T-158
Senapati, Suneceta	S-230	Sheller-Miller, Samantha		Singleton, Krista	O-006,	Song, Rui	T-188, S-191
Senderoff, Dana	S-061		O-035		O-092	Song, Yong	S-037
Senthamarakannan, P		Shelly, Katherine	O-048	Sinner, Debora	O-033	Soo, Jia Y.	T-101
	T-008, T-018	Shen, Hui	T-051	Sinniah, Ranuka	F-169	Soojin, Park	F-177
Senthil Kumar, Shree		Shennan, Andrew	F-024	Sipe, Bradley H.	T-205	Sooranna, Gavin R.	F-251
Vijayaswathi	F-166	Shennan, Andrew H.	T-023	Sipos, Peter	O-135	Sooranna, Suren R.	F-031
Serafini, Paulo Cesar	F-234	Sherwin, Elizabeth	S-074,	Siricilla, Shajila	T-005,	Soo-young, Oh	F-063
Sergent, Frédéric	T-124		S-075		T-028	Sordelli, Micaela S.	F-151,
Serrano-Lomelin, Jesus		Shi, Fangxiong	S-031	Sison, Christia Angela M.			F-235
	T-187	Shi, Naiqi	T-003		S-238, F-240	Sordelli, Micaela S	T-230
Serwald, Geraldine	T-003	Shiga, Naomi	S-227	Sites, Cynthia K.	S-211	Soria, R.	F-262
Sethupathi, Priyanka	T-097	Shikanov, Ariella	F-055	Sivan, Eyal	T-076, T-077,	Soto-Pantoja, David R.	
Setton, Robert	F-209, S-217	Shim, Jessica	F-224		F-266		S-150
Sewdass, Ashlie	T-246	Shim, So Hyun	S-105	Skau, Irene	F-259	Souter, Irene	S-147, T-150
Seyama, Rie	F-081	Shim, Soung Shin	S-105	Skeith, Ashley	T-062	Southcombe, Jen	F-252
Sfakianaki, Anna K.	S-143	Shin, Na	T-056, F-057	Skora, Daniel	T-130	Sovio, Ulla	O-011, F-196,
Sferruzzi-Perri, Amanda N.		Shin, Na E.	F-013	Skotte, Line	T-002		F-205
	F-168, S-169	Shingleton, Daniel	F-145	Sled, John	T-065	Spaans, Floor	O-152, T-194
Sferruzzi-Perri, Amanda N.		Shinichi, Kuriyama	S-196	Sled, John G.	T-101	Spandorfer, Steven	F-209,
	T-146, S-170	Shiu, Li-Yen	F-037, T-042	Smak Gregoor, Anna M.			S-217, T-217
Sferruzzi-Perri, AN	T-134	Sholle, Evan	S-104		F-160	Speksnijder, Jeroen	F-232
Sha, Xiaoyan	T-029, S-157,	Sholokhov, Leonid	F-216	Smeester, L	O-009	Spencer, Rebecca	O-148
	T-267	Shree, R	F-182	Smid, Marcela C.	S-067,	Spencer, Thomas E.	T-235
Shah, Dinesh M.	S-189	Shree, Raj	T-071, T-189,		S-072	Spiegelman, Jessica	F-075,
Shah, Jay	S-043		S-204, S-252	Smith, Alicia K.	S-192		F-076
Shah, Nirali	S-225	Shulman, Rachel	T-059	Smith, Ann	F-014	Spiller, Brad O.	O-032
Shah, Nishel M.	F-251	Shynlova, Oksana	O-001,	Smith, Arianna	F-169	Spillman, Monique A.	T-121
Shah, R	T-167	S-027, T-065, O-075		Smith, Ashley M.	T-087	Spinella, Francesca	S-231
Shah, Ruchit G.	T-156	Sibai, Baha M.	S-182,	Smith, Barbara	O-014	Spinelli, MariaLuigia	O-127,
Shaikh, Shafiq	O-116		S-185, F-188	Smith, Gordon	O-145, F-205		F-175

Publication Number Prefix Key

Oral Presentations

O-001 - 052 = **Thursday** Oral Presentations

O-053 - 124 = **Friday** Oral Presentations

O-125 - 160 = **Saturday** Oral Presentations

Poster Presentations

T-001 - 220 = **Thursday** Presentations

F-001 - 221 = **Friday** Presentations

S-001 - 221 = **Saturday** Presentations

Oral and Poster Abstract Author Index

Sprague, Rachel G.	F-044, T-205	Sucharov, Carmen C.	O-003	Talcott, Michael	S-065, T-066, O-139	Terzidou, Vasso	F-014, S-028, F-229, F-236
Springel, Edward H.	F-191	Suff, Natalie	S-017, F-024	Tamam, Ortal	O-033	Teulings, N.	F-113
Srinivasan, Srimeenakshi	S-135	Suga, Sachie	S-106	Tan, Bin	S-195	Tevethia, Mary	T-125
Stamenov Georgi, Georgi	F-239	Sugawara, Junichi	T-129, S-129, T-197	Tan, Huiqing	S-003	Tewary, Shreeya	F-255
Stanfield, Zachary	S-003	Sugiyama, Takashi	T-160	Tan, Jean	S-255	Tezuka, Atsuko	T-147
Stanic, Aleksandar	S-253	Suke, Sophie	F-254	Tan, Ker Sin	S-255	Thadhani, Ravi	S-175
Stanic, Aleksandar K.	O-155	Suk-Joo, Choi	F-063	Tan, KH	F-107	Theisen, Kevin	F-010
Stanley, Natalie M.	F-186	Sullivan, Mark H.	O-030	Tan, Kok	S-110	Theisen, John G.	S-054
Starikov, Roman	S-024	Sullivan, Megan E.	S-054	Tan, Kok Hian	S-199	The PETRA Investigators	
Steegers, Eric	O-037	Sultana, Zakia	S-107	Tan, Qi	O-070		S-185
Steegers, Eric A.	T-095, O-106, F-160	Sun, Kang	S-021	Tanabe, Osamu	S-129, T-129, T-197	Thézénas, Marie L.	T-037
Steegers-Theunissen, Régine	F-232	Sun, Li	O-083	Tanaka, Keiko	S-227	Thieffry, Charlotte	S-239
Steegers-Theunissen, Régine P.	T-095, O-098, F-131, T-208	Sundström-Poromaa, Inger	O-119	Tanaka, Tomoki	F-233	Thilaganathan, Basky	S-112
Steffens, Nathan	S-083, F-109, F-110	Sung Taek, Park	S-174	Tanchico, Daren	F-084	Thomas, Gregoire	F-197
Steinberg, Brittani	S-245	Suratt, Benjamin T.	T-142	Tandon, Hannah	S-043	Thomas, Laine	S-047
Steiner, Johannes	S-132	Surbek, Daniel	O-127	Taneda, Athena H.	F-186	Thomas, Peter	T-239
Steller, Jon G.	F-112, T-120	Surbek, Daniel V.	O-147, F-175	Tang, Zhonghua	F-203	Thomi, Gierin	O-147, F-175
Stenvinkel, Peter	F-190, S-261	Sutherland, Amy	S-116	Tangren, Jessica S.	F-067	Thompson, Deborah	S-120
Stern-Ascher, Conrad	T-082	Sutherland, Kathryn	S-088	Tannetta, Dionne S.	O-152	Thompson, Frederick J.	
Steven Sol Witkin, Steven S.	S-053	Sutton, Elizabeth F.	O-007, T-091, S-136, S-138, F-184, F-206	Tantravahi, Uma	O-061	Thompson, Jennifer A.	
Stevenson, David K.	T-182, F-186, F-253, S-269	Suturina, Larisa	F-216	Tanuma, Nobuhiro	S-121		T-111
Stevenson, Micaela J.	F-210	Suzuki, Kazumao	O-005	Tao, Xin	O-083	Thomson, Adrian	O-078, F-165
Stewart, Elizabeth A.	O-070	Suzuki, Toshihumi	F-081	Tapanainen, Juha S.	T-035	Thornburg, Kent	T-109
Stewart, Joshua	T-216, T-217	Svytko, Solomiya	T-154	Tapmeier, Thomas T.	F-041, S-044, F-051	Thornburg, Kent L.	O-064
Stillbirth Collaborative Research Network	O-010	Swaminarayan, Dhaval	T-057	Tarce, Adi	F-189	Thornburg, Lorelei L.	T-132
Stilley, Julie A.	F-005	Swan, Shanna	S-099	Tarvonen, Mikko	F-116	Thorpe, Jessica	S-018
St Laurent, Jessica D.	T-123	Swanson, Kate	T-059, F-066	Tasarz, Jennifer	S-135, F-177	Thurairajah, Shannon	T-014, T-015
Stock, Sarah J.	O-032, S-064, T-271	Swortwood, Madeleine J.	F-103	Tavarez, Ludgero C.	F-092	Tiensuu, Heli	S-004
Stoddard, Greg J.	T-148	Sykes, Lynne	T-009, T-014, T-015, O-030, O-034	Tay, Nathaniel	S-139	Tille, Anca	F-210
Stoddard, Gregory	T-212, S-216	Symons, Lindsey K.	T-044	Tayade, Chandrakant	S-038, T-044, S-145	Tille, Jean-Christophe	S-041
Stoffels, Guillaume J.	T-137	Taboas, Esther	O-018	Taylor, H	S-036	Tilly, Jonathan L.	O-157, S-254
Story, Lisa	S-176	Tabrizi, Maral	F-156	Taylor, Hugh	T-048	Timmerman, Yael	S-057
Stratton, Pamela	S-043	Tabsh, Kareem K.	F-060	Taylor, Hugh S.	S-041, O-116, O-134, F-257	Timman, Reinier	T-219, F-222
Strauss, Jerome F.	F-191	Tachibana, Masahito	S-227	Taylor, Paul D.	T-097, T-128	Timmerman, Dirk	S-236
Strickland, Kyle	S-013	Tada, Katsuhiko	S-071	Taylor, Rennae	F-166	Timms, Kate	S-160
Stuart, Tami	S-086	Taffet, Steven M.	T-248	Taylor, Robert N.	O-117	Tint, MT	F-107
Stuppia, Liborio	T-258	Taglauer, Elizabeth	O-151	Teal, Elizabeth N.	F-082	Tint, Mya	S-110
Sturdevant, Dallas Q.	T-087, S-091, F-093	Takafumi, Yamauchi	F-069	Teasley, Hanna	O-004	Tiscornia, Gustavo	S-241
Su, Li	O-114	Takagi, Kazuko	T-160	Teeling, Jessica L.	S-094, S-098	Titcombe, Philip	T-086
Su, Szu-Chi	O-014	Takahashi, Sota	O-110	Teixeira, Jose	T-051	Titus, Shiny	O-050
Subramaniam, Kavita S.	F-041, F-051	Takahashi, Tsukasa	O-008	Tejera, Alberto	O-018	To, Cuong	S-135
		Takashi, Kodama	F-072	Tekay, Aydin	S-001	To, Eunice	O-024
		Takeda, Jun	F-081, T-081	Telfer, Evelyn E.	O-159	Togo, Atsuko	S-115
		Takeda, Satoru	T-081	Tellez-Plaza, Maria	T-263	Tohmola, Tiaolotta	O-119
		Takhar, Harpreet S.	F-011, F-012, F-036, F-261	Tempest, Nicola	O-115	Tolani, Alisha T.	S-074, S-075
		Taku, Obara	S-196	Teoh, TG	T-009, T-014, T-015, O-034	Toledo-Jaldin, Lilian	T-270
		Tal, Reshef	O-116	Teramo, Kari	F-116	Tolley, Neal D.	O-043
		Talbot, Ciara S.	T-060, F-061	ter Haar, G.	O-077	Tomasetti, Carla	T-236, S-242
				te Riele, Gigi M.	O-022	Tomohiro, Nakamura	S-196
				Terry, Nancy	T-210	Tomoya, Mizunoe	F-072
				Tersey, Sarah	S-070		

Publication Number Prefix Key

Oral Presentations

O-001 - 052 = **Thursday** Oral Presentations
 O-053 - 124 = **Friday** Oral Presentations
 O-125 - 160 = **Saturday** Oral Presentations

Poster Presentations

T-001 - 220 = **Thursday** Presentations
 F-001 - 221 = **Friday** Presentations
 S-001 - 221 = **Saturday** Presentations

Oral and Poster Abstract Author Index

Tong, Chao	S-109, S-152, F-157, S-195, T-200	Ulrich, Nicole D.	F-269	Vankelecom, Hugo	T-236, S-240	Vinagre, João G.	S-053
Tong, Stephen	O-042, F-106, T-143, T-186, T-199, T-201, S-264	Unal, E. Ramsey	S-163	van Marion, Eva	F-232	Vinagre, Joao G.	F-054
Tong, W.	O-053, F-113, T-196	Underhill, Lori	T-024	Vanni, Valeria S.	T-218, S-272	Vinayagam, Vickneshwaran	T-203
Tongpob, Yutthapong	O-078, S-177	Ural, Serdar H.	S-173	Vanni, Valeria Stella	S-219	Vincent, Kirsty	T-169
Tonon, Giovanni	O-118	Urban, Gabriele	F-030	Vannuccini, Silvia	F-052	Vink, Joy	T-025, O-141
Torstenson, Eric S.	O-015, S-046	Uribe-Cleofas, Jorge	T-098, T-099, T-100	van Osch, Ivy R.	S-081	Vintzileos, Anthony M.	S-262
Tortoli, Piero	F-030	Usuda, Haruo	O-008, F-115	Van Ranst, Nele	S-242	Vivanco-Gonzalez, Nora	S-140
Toru, Funakoshi	T-078	Uygun, Zihni Onur	F-035	van Rijn, Bas B.	O-037, S-200	Vizuete, W	O-009
Totary-Jain, Hana	T-159	Uz Zaman, Ashraf	S-130	O-041, O-093, S-200	F-160	Vlahos, Ross	O-024
Toth, Thomas L.	S-147, T-150	Vadillo, Felipe	F-095	Van Streun, Sophie P.	O-041	Voaklander, Don	T-259
Toti, Paolo	F-237, T-240	Vadillo-Ortega, Felipe	T-093, T-094	van Wijk, Femke	O-041	Voets, Thomas	O-081, T-236, S-242
Toussia-Cohen, Shlomo	S-057	Vaidya, Dhananjay D.	O-062	VanWye, Jeffrey	T-159	Vogelvang, Tatjana E.	O-041, O-093, S-200
Towner, Dena	S-066	Vaillancourt, Cathy	F-142, T-155	Varas-Godoy, Manuel	S-128	Vohra, Nidhi	S-142
Townsel, Courtney	O-104, T-168	Vaka, Venkata	S-203	Varela, Elisa	F-243	Vollgraff Heidweiler-Schreurs, Charlotte A.	S-081
Tran, Carol	F-082	Vaka, Venkata Ramana	T-204	Vargas, E.	F-262	Vondra, Sigrid	T-254
Treviño, Lindsey S.	O-099	Valbonetti, Luca	T-258	Vargas-Hernandez, Lilia	T-128	von Glinicki, Thomas	O-115
Trobe, Rachel M.	T-023, F-024	Valdes, Cecilia T.	O-065	Varley, Alice	S-029, F-031	von Versen-Höynck, Frauke	F-217
Triche, Timothy	T-051	Valent, Amy	T-062, S-073	Varner, Michael W.	T-079, F-104, S-181	Vora, Neeta	O-076
Tropea, Anna	S-222	Valentijn, Anthony J.	O-115	Vasieva, Olga	O-115	Vora, Neeta L.	O-060, S-067
Tropea, Teresa	S-202	Valeri, Arianna	F-083	Vaswani, Kanchan	F-003, S-007, S-234, T-242	Vranes, Chelsey M.	S-072
Truchear, Irene	O-014	van Anken, Eelco	O-045	Vaughan, Lisa	F-183	Vriens, Joris	F-043, O-081, T-236, S-240, S-242
Truong, Tracy	O-087	van Benthem, Karlijn	F-173	Vaughan, Owen R.	O-003, S-167	Vrijotte, Tanja	T-198
Truong, Yen	O-013	van den Berg, Sjoerd A.	S-210	Vaulet, Thibaut	S-236	Vrljicak, Pavle	S-235, T-237
Tsai, Amy S.	F-186	van den Bosch, Annemien E.	F-131	Vazquez, Jessica	O-155, S-253	Vuppala, Aishwarya	S-135, F-177
Tsai, Eileen S.	F-186	van den Heuvel-Eibrink, Mary M.	S-210	Veenboer, Truus	T-179	Waddington, Simon N.	S-017
Tsai, Eing-Mei	T-042	Van den Veyver, Ignatia	O-048, O-114, T-243	Veerbeek, Jan H.	S-200	Wadhwa, P.	T-069
Tsai, Ming-Shian	F-021	Vander Haar, Emilie	O-010	Vega, Claudia A.	T-098, T-100	Wadhwa, Pathik	S-077
Tschumperlin, Daniel J.	O-070	van der Heijden, Godfried	F-232	Vega, Irving	S-163	Wagata, Maiko	S-129, T-129, S-196, T-197
Tsiga, E	F-182	van der Heijden, Olivier W.	T-253	Vegter, Erin	S-037	Wagenfeld, Andrea	S-221
Tsuda, Hiroyuki	T-147	van der Houwen, Lisette	F-045	Velan, Sendhil	S-110	Wagner, Gunter	T-017
Tsuei, Angie	F-079	Vanderkamp, Robert	S-163	Velez Edwards, Digna R.	O-015, S-046	Wahed, Mishquatul	F-158
Tsunemoto, Yoshiki	T-129, S-129, T-197	van der Kooi, Anne-Lotte L.	S-210	Vélez Vega, Carmen M.	T-261	Walejko, Jacquelyn M.	S-108
Tuck, Michael	T-022	Van der Meer, Arnold	T-253	Veloza, Lorena P.	O-049	Walker, Brian R.	S-051
Tucker, Michael	F-212, S-213	van der Molen, Renate G.	T-253	Velthuis, Birgitta K.	O-037	Walker, Cheryl L.	O-099
Tucker, Richard	T-024	van der Walt, Nicola	S-133, T-228	Ventimiglia, Eugenio	S-272	Walker, Natasha	S-101, F-121
Tull, D	F-107	van Dijk, Marie	F-155, T-198	Ventrone, Sebastian	T-142	Walker, O'Lienecia	F-158
Turco, Margherita Y.	T-255	van Dorp, Wendy	S-210	Vercauteren, Tom	O-148	Walker, Susan P.	T-186, S-264
Turitz, Amy	T-072	van Duijn, Linette	T-095	Vergaro Varela, Paula	S-241	Wallace, Euan M.	S-193
Turitz, Amy L.	O-094	Van Hie, Arne	S-242	Verma, Kajal	S-135	Walsh, Scott W.	F-191
Tuytten, Robin	F-197	Vanhie, Arne	T-236	Verma, Kavita	O-172	Walz, Amy	F-224
Tyagi, Sonika	T-026			Verri Jr., Waldiceu A.	T-066	Wang, Bingbing	S-005
Tylan, Enes	O-050			Verstraeten, Barbara	F-098	Wang, Carol A.	S-087, F-270
Uchida, Toshiyuki	O-005, F-078			Vicente Antón, Jose Salvador	S-257	Wang, Chen-Yi	F-051
Uchikura, Yuka	T-160			Vidaef, Alex	F-004		
Ueki, Norikazu	O-113			Vieira, Matias C.	F-197		
				Vigano, Paola	O-088		
				Viganò, Paola	O-118, T-218, S-231, S-272, T-272		

Publication Number Prefix Key

Oral Presentations

O-001 - 052 = **Thursday** Oral Presentations
O-053 - 124 = **Friday** Oral Presentations
O-125 - 160 = **Saturday** Oral Presentations

Poster Presentations

T-001 - 220 = **Thursday** Presentations
F-001 - 221 = **Friday** Presentations
S-001 - 221 = **Saturday** Presentations

Oral and Poster Abstract Author Index

Wang, Gang	F-027	Wesolowski, Stephanie		Wohlgemuth, Stephanie		Yaba Ucar, Aylin	T-247
Wang, H	T-085		F-111		S-090	Yacoub, Fadi	S-033, S-049
Wang, Hui	T-031, S-065, T-066, O-139	Wesolowski, Stephanie R.	T-105	Wolfson, Manuel	F-017		F-049
Wang, Junye	S-003	Wessel, Gary	S-246	Wong, Ashley R.	F-068	Yadava, Stacy M.	S-005
Wang, Kai	F-201	Wessclink, Amelia K.	T-052, O-067	Wong, Caroline F.	T-040	Yaegashi, Nobuo	F-115, S-121, T-129, S-129, S-227
Wang, Lele	S-026, T-029, S-157	West, Camilla	F-236	Wong, G	F-107	Yagel, Simcha	F-130, O-158
Wang, Lianlian	S-109	Westwood, Melissa	S-160	Wong, Michael	F-158	Yahfoufi, Zeina	F-231
Wang, Qiuorong	S-091, F-093, O-097	Weuve, Jennifer	O-067	Wong, Ronald J.	F-186, F-253, S-269	Yahfoufi, Zeina A.	F-226
Wang, Shuang-Yin	O-158	Wheeler, Karen	S-237	Wood, Angela M.	F-196	Yallampalli, Chandana	S-133
Wang, Tianyuan	F-032	Whigham, Carole-Anne	T-199	Wood, Charles E.	F-102	Yallampalli, Chandra	O-046, F-084, F-089, O-144, F-181, T-228
Wang, Wangsheng	O-074	Whirlledge, Shannon D.	S-168	Wood, Rachel L.	T-115, S-119	Yallampalli, Chandrasekhar	F-132
Wang, X	F-230	Whitaker, Eleanor M.	S-064	Wood, Robyn	S-008		
Wang, Xiyin	O-132	Whitaker, Lucy	T-050	Woodard, Pamela K.	O-065, O-139	Yamada, Hidekazu	S-121
Wang, Yao	O-040, S-201	Whitaker, Lucy H.	S-051	Woodman, Andrew	T-127	Yamada, Naoshi	S-102
Wang, Yong	T-031, S-065, T-066, O-139	White, Marina	F-099, F-100	Woodman, Andrew G.	O-055, S-056	Yamaguchi, Ken	S-071, S-106
Wang, Yu	S-165	White, Melanie K.	F-270	Woodruff, Hannah M.	S-197	Yamaleyeva, Liliya M.	S-150
Wang, Yuping	F-198, F-204	White, Sara L.	T-086	Woods, Dori C.	O-157, S-254	Yamashita, Hiroshi	S-071, F-072
Wapner, Ronald	O-010, T-025, T-068, O-141	Whitham, J	T-085	Woods, James R.	S-224	Yamashita, Riu	S-129, T-129, T-197
Ward, K	F-182	Whittington, Julie R.	S-100	Woolf, Clifford J.	O-066	Yamauchi, Takafumi	S-129, T-129, T-197
Ward, Kenneth	O-017, O-020, T-045, S-218	Whittle, Wendy	T-065	Wortman, Alison C.	F-194		
Wareing, Mark	S-179	Whyte, Sonia A.	S-064	Wright, Clyde J.	T-245	Yan, Qin	F-199
Wargo, Matthew	F-171	Widra, Eric	T-227	Wright, Jason	F-058, F-075, T-082	Yañez, Jorge	S-082
Warner, Pamela	S-051	Wienke, Judith	O-041	Wu, Kejia	S-124	Yañez-Mo, M.	O-002
Warsof, Steven	F-130	Wiez, Gregory	O-109	Wu, Pei-Li	F-046	Yang, Heqin	O-144
Washington, Sonya L.	F-191	Wikström, Anna-Karin	S-264	Wu, San-Pin S.	F-032	Yang, Jian	S-039
Wasnik, Ashish P.	T-053	Wiley, Camille	T-194	Wu, Tracy	S-229, F-249	Yang, Jingying	S-026
Watanabe, Shimpei	O-008, F-115	Willemsen, Sten P.	O-098, F-131, T-208	Wu, Wei-Bin	T-151	Yang, Jinying	T-267
Watanabe, Zen	S-227	Willey, Alicia S.	T-054	Wu, Wenjie	S-065, T-066, O-139	Yang, Liping	F-141
Waterfall, Martin	O-159	Williams, English	O-135	Wu, Xiaotian	T-244	Yang, Liubin	F-218, F-221, S-223
Watkins, Deborah	T-261	Williams, David	S-064	Wu, Yingyi	T-185	Yang, Peixin	O-059, O-125
Watkins, OC	T-144, F-167	Williams, James	S-102	Wyrroll, Caitlin	S-177	Yang, Penghua	O-125
Watkins, Renecia A.	S-070	Williams, Paige L.	O-067	Wyrroll, Caitlin S.	O-078, F-165	Yang, Qiwei	F-047, O-099, O-131
Watson, Andrew J.	T-234	Williams, Scott	F-270	Xiao, Daliao	T-088	Yang, Xiaoqing	S-255
Way, SS	T-008	Williamson, D.	T-069	Xiao, Emily	F-125	Yang, Yike	T-200
Weatherall, Loretta	S-088	Willis, Gareth	O-151	Xiaohua, Yang	S-016	Yang, Yueqin	T-092
Weaver, Amy	F-183	Wilson, Michael D.	S-027	Xie, Dongbin	F-117	Yao, Julei	F-201
Weber, Kari A.	S-269	Wilson, Rachel A.	S-018	Xie, Fagen	T-104, T-184, F-260	Yao, Shan	O-051
Weber, Miriam T.	S-224	Wilson, Sean	S-191	Xie, Jingyi	F-140	Yap, F	F-107
Wegienka, Ganesa	T-052	Windsperger, Karin	T-254	Xu, Jia-ning	S-040	Yasuhira, Kannno	S-071, S-106
Wegman, Thomas	O-014	Wing, Deborah A.	F-036, F-077, O-091, F-261	Xu, Lance	O-038	Yasuhira, Kannno	S-115
Weinheimer, C	T-085	Winger, Quinton A.	F-150	Xu, Ping	S-195, T-200	Ye, Jiangfeng	S-265
Weinhold, Kent	S-013	Winn, Virginia D.	T-173, F-186, F-217, S-269	Xu, Yi	F-010	Yee, Lynn M.	T-067, S-069
Weir, Christopher	S-051	Winter, Lauryn	T-116	Xu, Jiaping	S-198	Yeh, John	S-147, T-150
Welch, William R.	F-237	Wipez, G	F-230	Xuan, Chen	T-222	Yellon, Steven M.	T-006
Welling, Mila S.	O-098	Wise, Lauren A.	T-052, O-067	Xue, Qing	S-040, F-046, F-211	Yeo, George SH	S-199
Wen, Li	S-109	Witkin, Steven S.	F-054			Yeung, Thomas	S-044
Wen, Tan	S-116	Wlodek, Mary E.	S-110	Xun, Xiaoshuang	S-099	Yi, Lijuan	S-003
Wen, Timothy	T-072, F-133	Woelkers, Douglas	F-177			Yildirim, Ecem	T-247
Wenger, Jean-Marie	S-041						
Wenk, M	F-167						
Wenzel, A	F-230						
Werkmeister, Jerome	O-013						

Publication Number Prefix Key

Oral Presentations

O-001 - 052 = **Thursday** Oral Presentations
 O-053 - 124 = **Friday** Oral Presentations
 O-125 - 160 = **Saturday** Oral Presentations

Poster Presentations

T-001 - 220 = **Thursday** Presentations
 F-001 - 221 = **Friday** Presentations
 S-001 - 221 = **Saturday** Presentations

Oral and Poster Abstract Author Index

Yilmaz, Bahar	S-238	Zarate, Miguel A.	T-102	Zollner, Thomas M.	T-037,
Yilmaz, Bahar D.	F-240	Zaretsky, Michael	F-114		T-050, S-050, F-051,
Yim, Peter	O-141	Zaretsky, Michael V.	T-061,		S-221
Yin, Ling	F-046		F-062	Zolton, Jessica	S-225
Yin, Ophelia	F-246	Zdravkovic, Tamara	O-016	Zolton, Jessica R.	T-210
Yin, Ping	T-027, O-068	Zemet, Roni	S-020, O-090	Zondervan, Krina T.	T-037,
Yin, Qing	S-099	Zeng, Cheng	S-040, F-046		F-041, S-044, F-051
Yin, Yin	F-171	Zhan, Yiping	O-083	Zou, Wei	O-117
Yin Chin, Peck	F-247	Zhang, Chi	O-132	Zou, Yong	S-006
Ying, Hao	T-170	Zhang, Elisa T.	F-159	Zsengeller, Zsuzsanna K.	
Ying, Lihua	S-030, O-137	Zhang, Hua	F-166		S-151
Yinon, Yoav	S-020	Zhang, Hui-Juan	T-151	Zuñiga, Felipe	F-122
Yoeli-Ullman, Rakefet		Zhang, Huizhu	S-006, T-267	Zussman, Rachel	O-038
	O-090	Zhang, Jie	F-090	Zygmunt, Marek	S-250
Yohannes, Elizabeth	F-227	Zhang, John	O-086, S-215,	Zygmunt, Marek T.	T-174
Yohannes, Elizabeth H.			S-226		
	S-032	Zhang, Jun	S-199, S-265		
Yokoyama, Emi	S-227	Zhang, Jun J.	T-158		
Yokoyama, Wayne M.	F-141	Zhang, Kewei	F-202		
Yong, H E.	T-134	Zhang, Lingzhi	O-124		
Yong, Hannah E.	S-169	Zhang, Lubo	O-058, T-088,		
Yoo, Young-Ah	S-092		T-188, S-191		
Yoo Min, Kim	F-063	Zhang, Man	F-213		
Yoshida, S	O-072	Zhang, Shuaiqi	S-047		
Yoshiki, Tsunemoto	F-069	Zhang, Sicong	S-108		
Yost, Christian C.	O-043	Zhang, Xiang	S-086		
You, Young-Ah	F-018	Zhang, Xinwen	S-016		
Youn, Hannah	S-116	Zhang, Yali	F-025		
Young, Bruce K.	F-105	Zhang, Yu-Ji	F-027		
Young, Danielle	S-183	Zhang, Zijing	S-246		
Young, Deborah R.	F-260	Zhao, Bingqing	F-021		
Young, Rachel	O-080	Zhao, Hui	F-253		
Young, Roger C.	T-032	Zhao, Peinan	T-229		
Young, Steven L.	O-004,	Zhao, Xiaohui	S-170		
	T-044	Zheng, Jing	F-199, F-201		
Yousif, Maisoon D.	T-234	Zheng, Yangxi	S-109, S-152,		
Yu, Baifeng	O-054, T-092		S-195, T-200		
Yu, Jie	O-117	Zheng, Zheng	S-006		
Yu, Liang	F-241	Zhong, Nanbert	T-170		
Yu, Xiao-Lan	F-046	Zhou, Chi	F-199		
Yu, Ya-Chun	F-037, T-042	Zhou, Danny	T-156		
Yu, Ziyi	F-174	Zhou, Ying-fang	S-040,		
Yuan, Wang H.	S-255		F-046		
Yuexin, Gan	S-103	Zhou, Yuping	O-100, T-171		
Yuka, Maekawa	F-072	Zhu, Dandan	S-255		
Yulia, Angela	F-031	Zhu, Jing	S-199		
Yung, H. W.	T-196	Zhu, Xiaowei	F-159		
Yung, Hong Wa	T-176	Zhu, Yun Long	T-170		
Yurkow, Edward J.	S-158	Zhuang, Zimin	T-104, T-184		
Zaccolo, Manuela	S-029	Zhuge, Ronghua	S-031		
Zafeiri, Aikaterini	F-103	Zierden, Hannah	T-016,		
Zafman, Kelly B.	F-070		T-017		
Zakar, Tamas	S-019	Zimmerman, Lilli	F-209,		
Zakker, Liat	S-155		S-217		
Zambrano, Elena		Zinkhan, Erin	O-054, T-092		
	S-082, F-085, F-087,	Zoet, Gerbrand A.	O-037		
	T-097, T-098, T-099,	Zollner, Thomas	T-221		
	T-100, T-128				
Zamudio, Stacy	T-153				

Publication Number Prefix Key

Oral Presentations

O-001 - 052 = **Thursday** Oral Presentations

O-053 - 124 = **Friday** Oral Presentations

O-125 - 160 = **Saturday** Oral Presentations

Poster Presentations

T-001 - 220 = **Thursday** Presentations

F-001 - 221 = **Friday** Presentations

S-001 - 221 = **Saturday** Presentations

Notes

[illegible]

Notes

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Notes

[illegible]

[illegible]

Notes

This image shows a full page of blank, lined paper. It features approximately 28 horizontal grey lines spaced evenly apart, typical of notebook paper. The lines extend across the entire width of the page, leaving small margins at the top and bottom. There are no vertical lines, text, or other markings on the page.

Notes

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

SRI THANKS ITS 2019 SUPPORTERS

AbbVie Inc.

AMAG

Bayer AG

Burroughs Wellcome Fund

Fondazione Giorgio Pardi

Hologic

Krishnamurthy Tandon Foundation

March of Dimes

Myovant Sciences

NIH/NICHD

Ramya Narayanan



SAVE THE DATE

Society for Reproductive Investigation - 67th Annual Scientific Meeting

TRANSLATING REPRODUCTIVE
SCIENCE TO THE BEDSIDE



VANCOUVER

MARCH 10-14, 2020

