



HAL
open science

Upregulation of MuRF1 and MAFbx participates to muscle wasting upon gentamicin-induced Acute Renal Failure

Julien Aniort, Cécile Polge, Agnes Claustre, Lydie Combaret, Daniel Bechet, Didier Attaix, Anne-Elisabeth Heng, Daniel Taillandier

► **To cite this version:**

Julien Aniort, Cécile Polge, Agnes Claustre, Lydie Combaret, Daniel Bechet, et al.. Upregulation of MuRF1 and MAFbx participates to muscle wasting upon gentamicin-induced Acute Renal Failure. 7. Proteasomes & Autophagy Workshop, Apr 2016, Clermont-Ferrand, France. 320 p., 2016, 7th Proteasomes & Autophagy Workshop. hal-01305346

HAL Id: hal-01305346

<https://hal.science/hal-01305346v1>

Submitted on 3 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.

▶ WEDNESDAY 6, APRIL

8:45am–9:00am Welcome to the 7th Workshop on Proteasomes & Autophagy

9:00am–6:25pm **Session Proteasomes, Structure & Function**
Chairs: Alfred L. Goldberg & Keiji Tanaka

9:00am **Michael Groll**
Devastating cellular impacts of proteasome assembly defects

9:30am **Daniel Finley**
Novel specificity of deubiquitinating enzyme Usp14

10:00am **Anja Brehm - Selected communication**
Misbalanced proteostasis as source of the proteasome associated autoinflammatory syndrome (PRAAS)

10:15am **Michael Glickman - Selected communication**
A polyubiquitin trap (polyUbPT) uncovers a novel ubiquitin- associating subunit of 26S proteasome complexes

10:30-10:50am **Coffee break**

10:50am **Eri Sakata**
Molecular architecture of the 26S proteasome in vitro and in situ

11:20am **Keiji Tanaka**
Thymoproteasome: The Key Player in Positive Selection of CD8+ T cells

11:50am **Maya Olshina - Selected communication**
Identification of novel regulators of the ubiquitin-independent 20S proteasome degradation pathway

12:05–1:45pm **Lunch**

1:45pm–3:15pm **POSTER SESSION N°1**

3:15pm **Aaron Ciechanover - Keynote lecture**
Monoubiquitination as a novel mode of proteasomal recognition

4:15pm **Marcus Groettrup**
The immunoproteasome in the pathogenesis of autoimmune diseases

4:45pm–5:10pm **Coffee break**

5:10pm **Alfred L Goldberg**
Regulation of Proteasome Function in Normal and Disease States

5:40pm **Andreas Martin**
Degradation-coupled substrate deubiquitination at the 26S proteasome

6:10pm **Marie-Pierre Bousquet - Selected communication**
A diversity of proteasome complexes but not at random: a way to regulate proteasome activity/function

6:30pm–8:00pm **Cocktail and Poster session n°2 and 4**

▶ THURSDAY 7, APRIL

9:00am–3:50pm **Session Ubiquitination: signaling and ubiquitinating enzymes** Chairs: Simon S. Wing & Rachel E. Klevit

- 9:00am **Rachel E Klevit**
How Activators are activated: Mechanisms of E3 Ubiquitin Ligase Activation
- 9:30am **Allan M Weissman**
Modulating Ubiquitination by Non-Canonical Binding of RING-type E3s to their E2s
- 10:00am **Michal Sharon** - Selected communication
CSNAP is a novel subunit of the COP9 signalosome
- 10:15am **Shenhav Cohen** - Selected communication
The ubiquitin ligase Trim32 catalyzes the degradation of the desmin cytoskeleton and the attached myofibrils in muscle during atrophy
- 10:30am–10:50am **Coffee break**
- 10:50am **Germana Meroni**
TRIM-mediated ubiquitination in human diseases
- 11:20am **Danny Huang**
Insights into regulation of RING ubiquitin ligases
- 11:50am **Gwenaël Rabut** - Selected communication
Fluorescence complementation illuminates the physiological network of ubiquitylation enzymes
- 12:05–1:45pm **Lunch**
- 1:45pm–3:15pm **POSTER SESSION N°3**
- 15:15pm **Daniel Taillandier**
Mechanisms of myofibrillar proteolysis in skeletal muscle: role of E2 enzymes
- 15:45pm **Maria Elka Gierisch** - Selected communication
Proteasomal turnover controls oncogenic activity of the EWS/FLI1 fusion protein

4:00pm–6:20pm **Session Autophagy** Chairs: Ana-Maria Cuervo & Marco Sandri

- 4:00pm **Marco Sandri**
Autophagy, Lysosome and Proteostasis in ageing
- 4:30pm **Charlotte Montespan** - Selected communication
Adenoviruses limit membrane damage induced autophagy during cell entry through a conserved PPxY motif in capsid protein VI
- 4:45pm **Hagai Abeliovich** - Selected communication
Mechanisms of selectivity during stationary phase mitophagy in yeast 7

SCIENTIFIC PROGRAM

April 2016, 6-8th - Clermont-Ferrand, France

5:00pm-5:20pm	Coffee break
5:20pm	Patrice Codogno <i>Autophagy and plasma membrane domains</i>
5:50pm	Ana-Maria Cuervo <i>Selective Autophagy and the Cellular Response to Stress</i>
6:20pm	Pascal Genschik - Selected communication <i>Post-translational control of ARGONAUTE proteins: P0 as a tool to better understand the role of autophagy in RNA silencing regulation.</i>
8:00pm	Gala Dinner

▶ FRIDAY 8, APRIL

9:00am–10:15am

Session Autophagy (continued)

Chairs: Ana-Maria Cuervo & Marco Sandri

9:00am

Anne Simonsen

Regulation of autophagy by lipid binding proteins

9:30am

Ivan Dikic

Ubiquitin networks in regulation of proteostasis and autophagy

10:00am

Nikolaos Georgakopoulos - *Selected communication*

Non-covalent Keap1 inhibitors are preferential pharmacological tools to regulate cell mitophagy and enhance mitochondrial function

10:15-11:00am

Coffee break & free Poster session

11:00am–3:20pm

COST Session Deubiquitination & Ubiquitin-like modifications

Chairs: Germana Meroni & Ron Hay

11:00am

Simon S Wing

Deubiquitination in Metabolism

11:30am

Michael Clague

Sorting and signaling en route to the lysosome

12:00am

Guillaume Bossis - *Selected communication*

Chemotherapeutic drugs control specific transcriptional programs in Acute Myeloid Leukemias through the regulation of the SUMO pathway

12:15am

Farid El Oualid - *Selected communication*

Development of the first activity- based probes for ubiquitin and ubiquitin-like protein E1-E2-E3 enzyme cascades

12:30-1:45pm

Lunch

1:45pm

Alfred Vertegaal

Crosstalk between SUMOylation and the ubiquitin-proteasome system

2:15pm

Ron Hay

Remodeling of the SUMO proteome in response to proteotoxic stress.

2:45pm

Xènia Crespo-Yañez - *Selected communication*

Dynamic regulation of the ESCRT- III Protein CHMP1B by the Ubiquitin System

3:00-3:30pm

Best Poster Prize & Good bye