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# Quantitative modulation in Polycomb silencing through FLC cis variation

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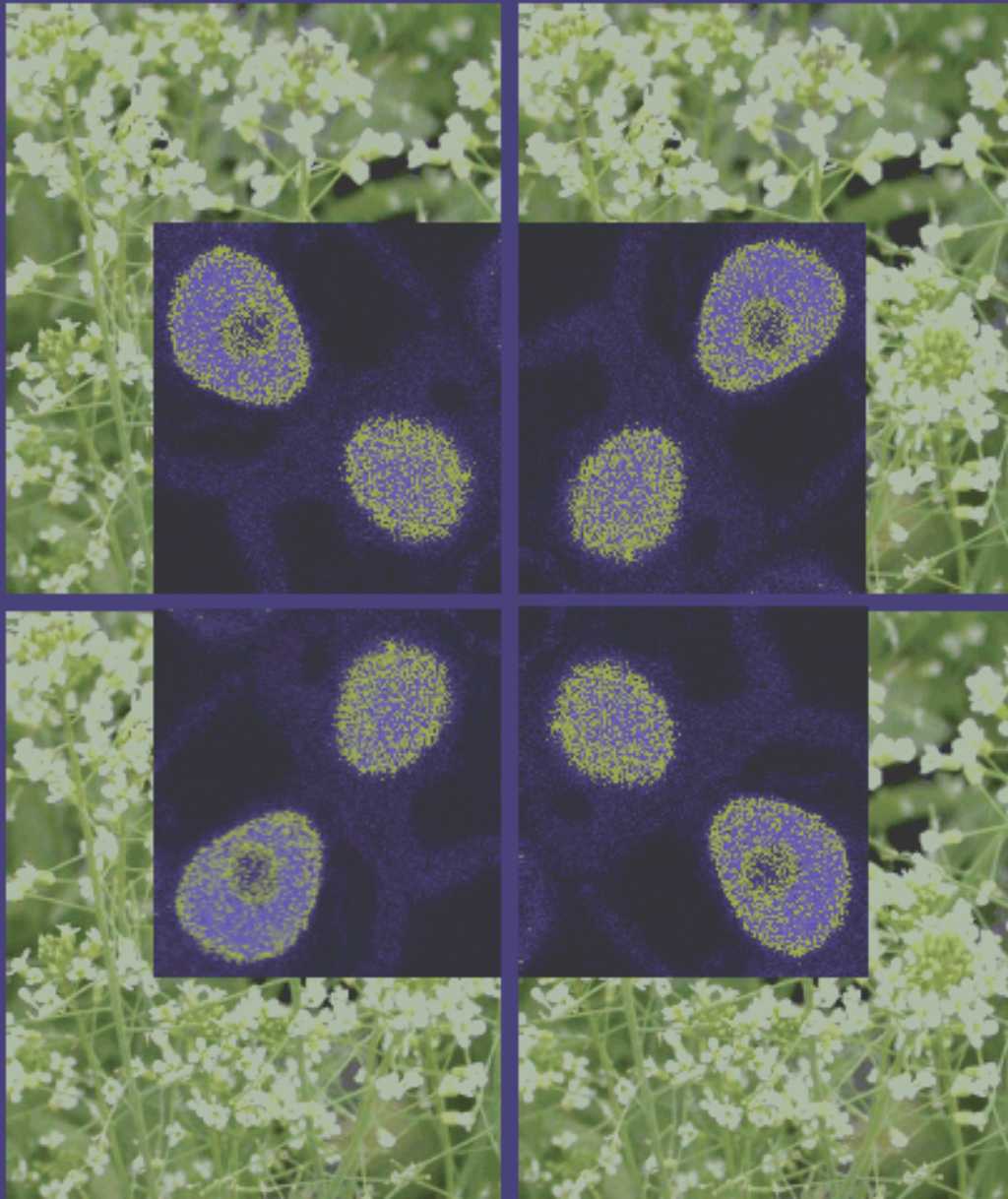
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# 2<sup>nd</sup> EUROPEAN WORKSHOP ON PLANT CHROMATIN 1-2 SEPTEMBER 2011 VERSAILLES



[https://colloque.inra.fr/european\\_workshop\\_on\\_plant\\_chromatin\\_2011](https://colloque.inra.fr/european_workshop_on_plant_chromatin_2011)



**ORGANIZERS**  
**VALÉRIE GAUDIN**  
**LARS HENNIG**  
**CLAUDIA KÖHLER**



# **2<sup>ND</sup> EUROPEAN WORKSHOP ON PLANT CHROMATIN**

**01-02 September 2011 - Versailles - France**

## **PROGRAM**

**Organizers  
Valérie Gaudin  
Lars Hennig  
Claudia Köhler**

# THURSDAY 01 September

**8:30 – 9:00**                    **Registration**

9:00 – 9:05                    Welcome

## SESSION 1

*Chair José A. Jarillo*

9:05    Plant chromatin assembly and genome stability  
*Jiří Fajkus, Masaryk University, Brno, Czech Republic*

9:25    Role of transcript elongation factors in Arabidopsis development  
*Brian Sørensen, Regensburg University, Regensburg, Germany*

9:45    Epigenetic regulation of phase transition in plants  
*Nir Ohad, Tel-Aviv University, Tel-Aviv, Israel*

10:05    MSI1 is an essential component of sporophytic PRC2 complexes in Arabidopsis  
*Maria Derkacheva, ETH Zurich, Zurich, Switzerland*

10:25    Regulation of ATBMI1C during plant development requires the interplay of different epigenetic mechanisms  
*Myriam Calonje, Centre for Organismal Studies Heidelberg (COS), Heidelberg, Germany*

**10:45 – 11:15**                    **Coffee break**

## SESSION 2

*Chair Célia Baroux*

11:15    ULTRAPETALA1 and chromatin dynamics at the floral meristem  
*Cristel Carles, UJF Grenoble - CEA, Grenoble, France*

11:40    Resetting the expression of a Polycomb-silenced target  
*Pedro Crevillen, John Innes Centre, Norwich, United Kingdom*

12:00    PcG-repressed genes in the shoot apex: novel players in plant development  
*Franziska Turck, Max Planck Institute for Plant Breeding Research, Köln, Germany*

12:20    Polycomb regulation and RNA metabolism  
*Valerie Gaudin, INRA, Versailles, France*

**12:40 – 14:00**                    **Lunch**

## SESSION 2

*Chair Krisztina Ötvös*

14:00 Paramutation: the heritable transfer of epigenetic information in trans,  
*Maïke Stam, Swammerdam Institute for Life Sciences, Amsterdam, Netherlands*

14:25 Genetic analysis of RNA-directed transcriptional gene silencing in Arabidopsis  
*Andreas Finke, IPK Gatersleben, Gatersleben, Germany*

14:45 Chromatin-mediated repression of floral integrators in Arabidopsis  
*Manuel Piñeiro, CBGP (INIA-UPM), Madrid, Spain*

15:05 Histone modification and recognition in rice  
*Dao-Xiu Zhou, Université Paris sud 11, Orsay, France*

15:25 Novel readers and combinatorial interpretations of histone tail modifications,  
*Reidunn B. Aalen, University of Oslo, Oslo, Norway*

**15:45 – 16:15            Coffee break**

## SESSION 3

*Chair Franziska Turck*

16:15 Arabidopsis chromatin remodeling complexes in hormone signaling  
*Andrzej Jerzmanowski, Warsaw University and Institute of biochemistry and biophysics  
Polish Academy of Sciences, Warsaw, Poland*

16:40 Characterization of Arabidopsis homologues for the SWC4 and YAF9 subunits of the  
SWR1 chromatin remodeling complex  
*José A. Jarillo, CBGP, Madrid, Spain*

17:00 RBR1 induced chromatin remodeling during lateral root development in Arabidopsis  
*Krisztina Ötvös, Plant Physiology, Umeå, Sweden*

17:20 The complex of plant GAGA-factors  
*Dierk Wanke, Tuebingen University, Tuebingen, Germany*

17:40 Chromatin reprogramming during sporogenesis in Arabidopsis  
*Célia Baroux, University of Zürich, Zürich, Switzerland*

**18:00                    Visit of the King's vegetable garden in Versailles**  
**20:00                    Dinner in Versailles**

# Friday 02 September

## SESSION 4

*Chair Dierk Wanke*

9:00 Integrative epigenomic mapping defines four main chromatin states in Arabidopsis  
*François Roudier, IBENS, Paris, France*

9:25 Dynamic regulation of H3K27 trimethylation during Arabidopsis differentiation  
*Marcel Lafos, Institute for Genetics, Düsseldorf University, Düsseldorf, Germany*

9:45 Is Arabidopsis H3.3 a replacement histone?  
*Lars Hennig, Swedish University of Agricultural Sciences, Uppsala, Sweden*

10:05 Quantitative modulation in Polycomb silencing through *FLC* cis variation  
*Vincent Coustham, John Innes Centre, Norwich UK*

10:25 Genomic imprinting and its regulation in *Arabidopsis thaliana*  
*Philip Wolff, Swedish University of Agricultural Sciences, Uppsala, Sweden*

**10:45 – 11:15 Coffee break**

## SESSION 5

*Chair Andrzej Jerzmanowski*

11:15 Coordinated histone methylation and histone monoubiquitylation in transcription regulation during plant development  
*Wen-Hui Shen, IBMP-CNRS, Strasbourg, France*

11:35 Histone modifications for balanced transcriptional reprogramming in plant immunity  
*Yusuke Saijo, Max Planck Institute for Plant Breeding Research, Cologne, Germany*

11:55 Prolonged heat stress induces chromatin destabilization in Arabidopsis  
*Vanja Cavrak, Gregor Mendel Institute, Vienna, Austria*

**12:15 – 12:20 Concluding remarks**

## **List of Participants**

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