



Second European Workshop on Plant Chromatin 2011

September 1st and 2nd, 2011
Route de St Cyr (RD 10), 78026 Versailles Cedex, INRA, France

Organization

Organizing Committee

Local Committee INRA-Institut Jean-Pierre Bourgin, Versailles

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2ND 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 ATBML1C 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,
Maike 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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