

3rd European Workshop on Plant Chromatin

29-30 August 2013 - Centro de Biotecnología y Genómica de Plantas (CBGP), Campus UPM de Montegancedo. Autovía M-40, km 3. Pozuelo de Alarcón, 28223, Madrid, Spain



[CBGP website](#)

EWPC 2013



Chromatin structure and dynamics are essential for many cellular functions, for development and for responses to the environmental cues. Major current challenges in chromatin biology include mechanisms and functions of posttranslational modifications of histones, mechanisms and functions of chromatin assembly and remodeling; specificity in recruitment of chromatin complexes to target loci, function of histone variants and non-histone proteins, as well as long range chromosomal interactions and nuclear structure.

The goal of the third EWPC is to bring together researchers and students with expertise in these different fields to promote a better understanding of chromatin regulation and to foster interactions among the plant chromatin community.

2013 Committee

Manuel Pineiro (IIAA , CBGP , Madrid, Spain)
José Jarillo (IIAA , CBGP , Madrid, Spain)
Valerie Gaudin (IIRA , IJPB , Versailles, France)
Lars Hennig (SLU , Uppsala BioCenter , Uppsala, Sweden)
Claudia Köhler (SLU , Uppsala BioCenter , Uppsala, Sweden)

THURSDAY 29 August 2013

8.00 Bus departure from Hotel NH Zurbarano

8.00 - 8.55 Registration

8.55 - 9.00 Opening and Welcome

SESSION 1

Chair Crisanto Gutierrez

9.00 A domesticated transposase is a novel plant-specific trithorax-group gene

Justin Goodrich, University of Edinburgh, Edinburgh, United Kingdom - Invited speaker

9.40 Polycomb repression in seed germination control

Wen-Hui Shen, Université de Strasbourg, Strasbourg, France and Fudan University, Shanghai, China

10.00 Identification of novel components of the polycomb pathway in Arabidopsis

Sara Farrona, Institute for Genetics, Heinrich-Heine-University, 40225 Düsseldorf, Germany

10.20 VAL and AtBMI1-mediated H2Aub initiate the switch from embryonic to post-germinative growth in Arabidopsis

Fabian Bratzel, University of Heidelberg, Heidelberg, Germany

10.40 Arabidopsis BPC6 interacts with LHP1 at PRE-like GAGA DNA-motifs

Andreas Hecker, University Tübingen, Germany

11.00 - 11.30 Coffee break

SESSION 2

Chair Cristel Carles

11.30 Of ALPs and ELPs: genetic enhancers and suppressors of like-heterochromatin protein 1 and their role in chromatin-mediated gene regulation

Franziska Turck, Max Planck Institute for Plant Breeding Research, Köln, Germany

11.50 Polycomb regulation and stress responses

Valérie Gaudin, Institut Jean-Pierre Bourgin, INRA Versailles, France

12.10 EARLY IN SHORT DAYS7 (ESD7) cooperates with PcG proteins in the epigenetic silencing of floral integrator genes in Arabidopsis

Iván del Olmo, Instituto Nacional de Investigación y Tecnología Agraria y Alimentaria, Madrid, Spain

12.30 Vernalization: mechanism and natural variation

Julia Questa, John Innes Centre, Norwich, United Kingdom

12.50 Dynamics of chromatin accessibility during flower development from a transcription point of view

Alice Pajoro, Wageningen University, Wageningen, The Netherlands

13.10 - 14.30 Lunch

SESSION 3

Chair Andreas Houben

14.30 Characterization of the role of the NuA4 complex in the control of flowering time in *Arabidopsis*

Alfonso Mouriz, Instituto Nacional de Investigación y Tecnología Agraria y Alimentaria, Madrid, Spain

14.50 Identification of a SET domain protein needed for coordinated cell divisions in the *Arabidopsis* root meristem

Reidunn B. Aalen, University of Oslo, Oslo, Norway

15.10 AGO4 has a role during meiosis in *Arabidopsis thaliana*

Cecilia Oliver, Universidad Complutense de Madrid, Spain

15.30 The *Arabidopsis* DSIF complex

Alex Pfab, University of Regensburg, Germany

15.50 Specific tandem repeats are sufficient for paramutation-induced trans-generational silencing

Maike Stam, University of Amsterdam, Amsterdam, The Netherlands

16.10 Transgenerational phenotype aggravation in *Arabidopsis* CAF1 mutants

Iva Mozgova, Swedish University of Agricultural Sciences and Linnean Center for Plant Biology, Uppsala, Sweden

16.30 - 17.00 Coffee break

SESSION 4

Chair Célia Baroux

17.00 H3 Histone variants and chaperone in *Arabidopsis* chromatin dynamics

Matthias Benoit, Clermont Université, Aubière, France

17.20 Differential *Arabidopsis* Aurora Kinase family members activities on histone H3

Eva Tomašíková, Institute of Experimental Botany, Olomouc, Czech Republic

17.40 Phosphorylation of CENH3 in *Arabidopsis*

Dmitri Demidov, Leibniz Institute of Plant Genetics and Crop Plant Research (IPK), Gatersleben, Germany

18.00 Arabidopsis KNL2 is an upstream component for CENH3 deposition at centromeres

Inna Lermontova, Leibniz-Institut für Pflanzengenetik und Kulturpflanzenforschung, Stadt Seeland, Germany

18.20 Do linker histones have a role in phenotypic plasticity in Arabidopsis?

Kinga Rutowicz, Polish Academy of Sciences, Warsaw, Poland

18.40 Telomeres in hypomethylated *Arabidopsis thaliana* plants

Miloslava Fojtová, Masaryk University, Brno, Czech Republic

19.00 – 20.00 Free time for discussion

20.00 Bus to social event from CBGP

20.30 - 23.00 Dinner

23.00 Return bus to Madrid (Hotel NH Zurbano)

FRIDAY 30 August 2013

8.30 Bus departure from Hotel NH Zurbano

SESSION 5

Chair Reidunn B. Aalen

9.00 Plant chromatin: Stable and yet dynamic

Ortrun Mittelsten Scheid, Gregor Mendel Institute of Molecular Plant Biology, Vienna, Austria - Invited speaker

9.40 What controls the ambient temperature transcriptome?

Sandra Cortijo, Sainsbury Laboratory, Cambridge, United Kingdom

10.00 Epigenetic mechanism of heat stress response in *Arabidopsis*

Leticia López-González, Université de Clermont-Ferrand, Clermont-Ferrand, France

10.20 Phosphoproteomics of the chromatin in *Arabidopsis thaliana* subjected to biotic stress

Delphine Pflieger, Université Evry Val d'Essonne, Evry, France

10.40 Functional characterization of a novel chromatin component in *Arabidopsis thaliana*

Sascha Waidmann, GMI-Gregor Mendel Institute of Molecular Plant Biology, Austrian Academy of Sciences, Vienna, Austria

11.00 Epigenetic control of transposable elements in *Arabidopsis lyrata* under ambient and stress conditions

Björn Pietzenuk, Max Planck Institute for Plant Breeding Research, Cologne, Germany

11.20 - 11.50 Coffee break

SESSION 6

Chair Jiri Fajkus

11.50 Chromatin dynamics at the onset of gene activation
Cristel Carles, CEA-INRA-UJF, GRENOBLE, France

12.10 Epigenomic landscapes of DNA replication origins in a live organism
Joana Sequeira-Mendes, CSIC-UAM, Madrid, Spain

12.30 Cell type-specific epigenome profiles of the endosperm
Jordi Moreno-Romero, Swedish University of Agricultural Sciences and Linnean Centre for Plant Biology, Uppsala, Sweden

12.50 Chromatin reprogramming establishes competence for gametophytic development in *Arabidopsis*
Célia Baroux, University of Zürich, Zürich, Switzerland

13.10 Massive and rapid chromatin state variations influence *Arabidopsis* transcriptional responses to changing light conditions
Fredy Barneche, Ecole Normale Supérieure, Paris, France

13.30 rDNA chromatin dynamics in *Arabidopsis thaliana* plants
Julio Sáez-Vásquez J, CNRS-Université de Perpignan, Perpignan, France

13.50 - 14.15 Concluding remarks and lunch pick up

15.00 Bus return to Madrid (Hotel NH Zurbano)



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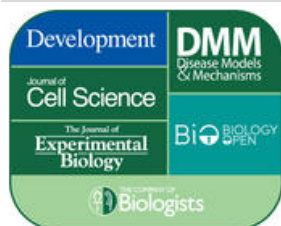
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