

# MECHANISMS OF DEVELOPMENT IN PLANTS AND ANIMALS

A seminar series. May 23<sup>rd</sup>-June 3<sup>rd</sup>, 2016

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## WEEK 1: Location – 'Amphi K'

- May 23<sup>rd</sup>** (Monday) Introductory classes: 09.30 – **Dostatni**/ 10.30 – **Vincent**  
13.30 **Nathalie Dostatni** (Institut Curie, Paris)  
*Imaging transcription in living Drosophila embryos*  
14.30 **Stéphane Vincent** (IGBMC, Illkirch)  
*Control and regulation of transcription during development and differentiation in the mouse*
- May 24<sup>th</sup>** (Tuesday) Introductory classes: 09.30 – **Dhouailly** / 10.30 – **de Veylder**  
13.30 **Danielle Dhouailly** (UJF, Grenoble)  
*From the first vertebrates towards current birds and mammals: a convergent evolution of feather and hair*  
14.30 **Lieven de Veylder** (VIB, Belgium)  
*The importance of plant quiescent center stem cells*
- May 25<sup>th</sup>** (Wednesday) Introductory classes: 09.30 – **Jönsson** / 10.30 – **Plaza**  
13.30 **Henrik Jönsson** (Univ. of Cambridge, UK)  
*Understanding shape formation in plants - a Computational Morphodynamics approach*  
14.30 **Serge Plaza** (Univ Paul Sabatier)  
*Insight into the molecular function of small peptides encoded by short ORFs in Drosophila: lessons from the Epidermal Gene Network*
- May 26<sup>th</sup>** (Thursday) Introductory classes: 09.30 – **Bardin** / 10.30 – **Bouchez**  
13.30 **Allison Bardin** (Institut Curie, Paris)  
*Adult stem cell control: from lineage decisions to genome stability*  
14.30 **David Bouchez** (IJPB, Versailles)  
*Spatial control of cell division and developmental robustness in Arabidopsis*
- May 27<sup>th</sup>** (Friday) Introductory classes: 09.30 – **Grimanelli** / 10.30 – **Aegerter**  
13.30 **Alexis Maizel** (Univ. of Heidelberg, Germany)  
*Lateral Root Morphogenesis in Arabidopsis thaliana*  
14.30 **Christof Aegerter** (Univ. Zurich)  
*Mechanical forces in Development: From continuous to discrete models and back again*

## WEEK 2: Location – 'Salle des Thèses'

- May 30<sup>th</sup>** (Monday) Introductory class: 10.30 – **Kretzschmar**  
13.30 **Kai Kretzschmar** (Hubrecht Institute, Utrecht)  
*Epithelial stem cell plasticity and compartmentalization in intestine and skin*
- May 31<sup>st</sup>** (Tuesday) Introductory classes: 09.30 – **Simon** / 10.30 – **Ostergaard**  
13.30 **Rudiger Simon** (Univ. of Dusseldorf, Germany)  
*On signalling pathways controlling plant stem cell behaviour*  
14.30 **Lars Ostergaard** (John Innes Centre, UK)  
*Symmetry matters in gynoecium development*
- June 1<sup>st</sup>** (Wednesday) Introductory classes: 09.30 – **Smith** / 10.30 – **Pires Santos Ramos Pinheiro**  
13.30 **Lisa Smith** (Univ. of Sheffield, UK)  
*Transposable elements in plant development*  
14.30 **Ines Pires Santos Ramos Pinheiro** (Institut Curie, Paris)  
*Organization and gene expression of the inactive X chromosome*
- June 2<sup>nd</sup>** (Thursday) Introductory class: 10.30 – **Carles**  
13.30 **Cristel Carles** (UJF/CEA, Grenoble)  
*ULTRAPETALA1 and chromatin dynamics at the onset of gene activation*
- June 3<sup>rd</sup>** (Friday) Introductory class: 09.30 – **Doursat**  
10:30 **René Doursat** (Manchester Metropolitan University, UK)  
*MecaGen: a cell-based computational model of early embryogenesis coupling mechanical behaviour and gene regulation*