

# MECHANISMS OF DEVELOPMENT IN PLANTS AND ANIMALS (2019-2020)

A seminar series. Sep 30 – Oct 11, 2019

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## WEEK 1 (Location to be decided)

- Sep. 30** (Monday) Introductory classes: [09.30 – Landrein](#) / [10.30 – Kruegger](#)  
13.30 **BENOIT LANDREIN** (ENS de Lyon)  
*Nitrate modulates stem cell homeostasis in Arabidopsis shoot apical meristem*  
14.30 **STEFANO DE RENZIS** (Univ. of Heidelberg, Germany)  
*Shaping Cells and Tissues: from Embryonic Development to Synthetic Biology*
- Oct 1** (Tuesday) Introductory classes: [09.30 – Laplaze](#) / [10.30 – Trylinski](#)  
13.30 **LAURENT LAPLAZE** (IRD, Montpellier)  
*Exploring the gene regulatory network regulating lateral root development*  
14.30 **MATEUSZ TRYLINSKI** (University College London, UK)  
*Interplay between Notch signaling and cytokinesis in Drosophila*
- Oct. 3** (Thursday)  
**09.30** and **11.00** **CHRISTOPHE GODIN** (ENS de Lyon)  
*Phyllotaxis in all its forms:*  
1. Patterns, symmetries and growth dynamics      2. Molecular interpretation, noise and robustness
- Oct. 4** (Friday) Introductory classes: [09.30 – Bayer](#) / [10.30 – Laux](#)  
13.30 **EMMANUELLE BAYER** (Univ. Bordeaux)  
*Plasmodesmata pores: cellular machines for intra and intercellular communication?*  
14.30 **THOMAS LAUX** (Univ. of Freiburg, Germany)  
*Structural insights into flower meristem development*

## WEEK 2 (Location to be decided)

- Oct. 7** (Monday) Introductory classes: [09.30 – Venkat](#) / [10.30 – Benitez-Alfonso](#)  
13.30 **LALANTI VENKAT** (London)  
*The Development Steps Guiding Drosophila Leg Motor Neurons to Unique Targets*  
14.30 **YOSELIN BENITEZ-ALFONSO** (Univ. Of Leeds, UK)  
*Cell walls, plasmodesmata and lateral organ development*
- Oct. 8** (Tuesday) Introductory class: [09.30 – Petitt](#)  
**11.00** **SABINE MÜLLER** (Univ. Tübingen, Germany) – **RDP Seminar**  
*Molecular Control of Division Site Maintenance*  
**13.30** **MATT PETITT** (UCSF, USA)  
*Virus generated developmental defects in the placenta*
- Oct. 9** (Wednesday) Introductory classes: [09.30 – Schmidt](#) / [10.30 – Banner](#)  
13.30 **ANJA SCHMIDT** (Univ. of Heidelberg, Germany)  
*Apomictic and sexual plant reproduction*  
14.30 **MARIE BANNIER** (Hubrecht Institute, Netherlands)  
*Adult stem cell-derived organoids*
- Oct. 10** (Thursday) Introductory class: [09.30](#)  
13.30 **ANNE CECILE REYMANN** (Univ. de Strasbourg)  
*Actin dynamics and biomechanics of the early embryo*
- Oct. 11** (Friday) Introductory class: [11.00](#)  
13.30 **MICHELE CROZATIER** (Univ. Toulouse III)  
*Control of Drosophila hematopoiesis: deciphering the role of the microenvironment*