

MECHANISMS OF DEVELOPMENT IN PLANTS AND ANIMALS

A seminar series. June 1-10, 2015

Organisers: Vincent Laudet (vincent.laudet@ens-lyon.fr) and Pradeep Das (pradeep.das@ens-lyon.fr)

- June 1st** (Monday) Introductory classes: 09.30 – [Scutt](#) / 10.30 – [Jazwinska](#)
13.30 **C. SCUTT & M. VANDENBUSSCHE** (RDP, Lyon)
The evolution and diversity of floral regulatory gene networks
14.30 **ANNA JAZWINSKA** (University Fribourg, Switzerland)
Stress is detrimental to heart regeneration in zebrafish
- June 2nd** (Tuesday) Introductory classes: 09.30 – [Fleck](#) / 10.30 – [Furthauer](#)
13.30 **CHRISTIAN FLECK** (IRD, Montpellier)
Systematic analysis of how phytochrome B dimerization determines its specificity
14.30 **MAXIMILIAN FURTHAEUR** (Inst. Valrose, Nice)
The E3-Ubiquitin ligase Mindbomb plays a dual role in Zebrafish neural tube morphogenesis
- June 3rd** (Wednesday) Introductory classes: 09.30 – [Moqrich](#) / 10.30 – [Laplaze](#)
13.30 **LAURENT LAPLAZE** (IRD, Montpellier)
Analyzing the gene regulatory network controlling lateral root development in Arabidopsis
14.30 **AZIZ MOQRICH** (IBDML, Marseille)
Role of Low Threshold MechanoReceptors (LTMRs) in pain chronicity
- June 4th** (Thursday) Introductory classes: 09.30 – [Merabet](#) / 10.30 – [Zubieta](#)
13.30 **SAMIR MERABET** (IGFL, Lyon)
Inhibitory activities of short protein motifs in developmental interactomes
14.30 **CHLOE ZUBIETA** (CEA, Grenoble)
Structural insights into the function of the MADS Transcription Factors in flower development
- June 5th** (Friday) Introductory classes: 09.30 – [Grimanelli](#) / 10.30 – [Mayor](#)
13.30 **DANIEL GRIMANELLI** (IRD, Montpellier)
Epigenome dynamics during reproduction in plants
14.30 **ROBERTO MAYOR** (University College London, UK)
Physical forces controlling collective cell migration
- June 8th** (Monday) Introductory classes: 09.30 – [Heisler](#) / 10.30 – [Technau](#)
13.30 **MARCUS HEISLER** (EMBL, Heidelberg)
The organisation of Arabidopsis development by cell type boundaries
14.30 **ULRICH TECHNAU** (University Vienna)
The evolution of bilaterality and triploblasty: Insights from an outgroup
- June 9th** (Tuesday) Introductory classes: 09.30 – [Robert](#) / 10.30 – [Schubert](#)
13.30 **HELENE ROBERT BOISIVON** (CEI Tech, Brno, Czech Republic)
Local auxin biosynthesis: a trigger for embryo patterning
14.30 **MICHAEL SCHUBERT** (LBDV, Villefranche)
Retinoic acid signaling: from its evolutionary origin to its functional diversification
- June 10th** (Wednesday) Introductory classes: 09.30 – [Coelho](#) / 10.30 – [Tajbaksh](#)
13.30 **SUSANA COELHO** (Roscoff Marine Station)
Genetic control of reproductive development in the brown alga Ectocarpus
14.30 **SHAHRAJIM TAJBAKSH** (Institut Pasteur, Paris)
Making sense of heterogeneities in skeletal muscle stem cells
- June 11th** (Thursday) Introductory classes: 09.30 – [Deschamps](#) / 10.30 – [Laufs](#)
13.30 **JACQUELINE DESCHAMPS** (Hubrecht Inst., Utrecht)
Molecular basis of initial Hox gene transcription in early mouse embryos
14.30 **PATRICK LAUFS** (INRA Versailles)
Leaf morphogenesis in Arabidopsis: from genes to shape