



CHAIRE PROCESSUS MORPHOGÉNÉTIQUES

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Professeur

Morphogens on the move

Colloque en anglais. Colloquium in English
Mercredi 16 et jeudi 17 mai 2018, amphithéâtre Guillaume Budé.

WEDNESDAY MAY 16TH

- 9:30 **Arrival and welcome**
- 10:00 **James Briscoe** (The Francis Crick Institute, UK)
The Gene Regulatory Logic for Reading the Sonic Hedgehog Gradient In The Vertebrate Neural Tube
- 10:45 **Paola Bovolenta** (CSIC-UAM, ES)
Shh in vertebrate visual system development
- 11:30 **Urs Schmidt-Ott** (University of Chicago, US)
Morphogens in evolution
- 12:30 **Lunch**
- 14:00 **Marie Manceau** (Collège de France, FR)
Formation of periodic stripes in birds
- 14:45 **Julien Vermot** (IGBMC, Illkirch, FR)
Symmetry and asymmetries in the left-right organizer
- 15:30 **Isabel Guerrero** (CSIC-UAM, ES)
Hedgehog in motion: Conduits for Hedgehog transport and capture
- 16:15 **Coffee Break**
- 16:45 **Eric Wieschaus** (Princeton, US)
Maternal gradients and transcriptional responses in the Drosophila embryo

THURSDAY MAY 17TH

- 9:30 **Coffee**
- 10:00 **Jonathan Touboul** (Brendeis University, US)
Modeling local and non-local homeoprotein impact in neurodevelopment: arealization and neuronal loss recovery
- 10:45 **Maria Leptin** (EMBL, Heidelberg, DE)
Morphogenesis: from whole organism integration to biophysical principles
- 11:30 **Thomas Lecuit** (Collège de France, FR)
Orchestration and self-organisation in tissue morphogenesis
- 12:30 **Lunch**
- 14:00 **Alessandra Pierani** (Institut Imagine, FR)
Transient moving organizers: life and death in cortical development and evolution
- 14:45 **Patrick Mueller** (Friedrich Miescher Institute, MPI, Tuebingen, DE)
Analysis and control of vertebrate axis formation
- 15:30 **Olivier Pourquié** (Harvard Medical School, US)
Building the spine: deconstructing the Segmentation Clock
- 16:15 **Alain Prochiantz** (Collège de France, FR)
Traveling homeoproteins with morphogenetic and physiological activities