## 10th Developmental Biology Course: From Stem Cells to Morphogenesis

**Date:** October 7-11, 2019

### Monday, Oct. 7th - AMPHI BDD

**9.30** WELCOMING SESSION

**Registration & COFFEE**

**INAUGURAL SEMINAR**

**Chair: JL. MAITRE**

**10:00** Alfonso MARTINEZ-ARIAS (University of Cambridge, UK)

"Probing the self engineering of mammalian embryos"

**LUNCH**

**GASTRULATION**

**Chair: Y. BELLAICHE**

**14:00** Jérôme GROS (Institut Pasteur, Paris, FR)

"Tissue flows during gastrulation in amniote embryo"

**15:00** student project presentation

**COFFEE**

**16:00** Carl-Phillipp HEISENBERG (IST, Austria)

"Zebrafish gastrulation"

**17:15** ELEVATOR SPEECH

### Tuesday, Oct. 8th - AMPHI BDD

**9:30** WELCOMING SESSION

**GERM CELLS AND SEX DETERMINATION**

**Chair: JL. MAITRE**

**9:30** Marie-Emilie TERRET (Collège de France, Paris, FR)

"Oocytes mechanics and morphogenesis"

**10.30** student project presentation

**COFFEE**

**11:15** BRUNO HUDRY (IBV, Nice, FR)

"A deeper take on our sexual nature: Importance of cellular sex and underlying mechanisms"

**LUNCH**

**CELL POLARITY AND DIVISION**

**Chair: Y. BELLAICHE**

**13.30** Nicolas MINC (IJM, Paris, FR)

"Division Plane Positioning"

**14.30** student project presentation

**COFFEE**

**15.15** Nathan GOEHRING (Francis Crick Institute, London, UK)

"Regulation of polarity in time and space: from symmetry breaking to fate specification"

**16.30** ELEVATOR SPEECH

### Wednesday, Oct. 9th - AMPHI BDD

**9:30** WELCOMING SESSION

**GROWTH REGULATION**

**Chair: JL. MAITRE**

**9:30** Pierre LEOPOLD (Institut Curie, Paris, FR)

"Genetics and Physiology of growth"

**10.30** student project presentation

**COFFEE**

**11.15** Nic TAPON (MRC Biomedical center, London, UK)

"Tissue size control and cancer models in Drosophila"

**LUNCH**

**DEVELOPMENT OF THE NERVOUS SYSTEM**

**Chair: C. THIBAULT**

**9:30** Marie-Laure BAUDET (University of Trento, IT)

"Micro-RNAs and brain wiring"

**COFFEE**

**10:45** Claudio STERN (University College, London, UK)

"Building a brain: a molecular dissection of neural induction"

**11:45** student project presentation

**LUNCH**

### Thursday, Oct. 10th - AMPHI BDD

**9:30** WELCOMING SESSION

**CELL MECHANICS DURING DEVELOPMENT**

**Chair: M. UMBHAUER**

**9:30** Michel LABOUESSE (IBPS, Paris, FR)

"Coordinating the morphogenesis of two tissues through forces"

**10.30** student project presentation

**COFFEE**

**11:15** Kevin CHALUT (Cambridge stem cell Institute, UK)

"Mechanical signaling in morphogenesis and ageing"

**LUNCH**

### Friday, Oct. 11th - AMPHI BDD

**13.30** Roberto MAYOR (UCL, London, UK)

"Neural crest migration"

**14.30** student project presentation

**COFFEE**

**15:15** Paulin e Speder (Institut Pasteur, Paris, FR)

"Shapes and signals in the neural stem cell niche"

**LUNCH**

**REGULATION OF TRANSCRIPTION**

**Chair: M. UMBHAUER**

**14.00** Yad GHAVI-HELM (IGFL, Lyon, FR)

"Developmental epigenomics"
## STEM CELLS AND ORGANOGENESIS (Chair: A. BARDIN)

**Monday, Oct. 14th, AMPHI BDD**

- **9.30** Silvia FRE (Institut Curie, Paris, FR)
  "Lineage restriction and plasticity of mammary stem cells"

- **10.30** student project presentation

- **COFFEE**

- **11.15** Bon Kyong KOO (IMBA, Vienna, Austria)
  "Tracing the effect of oncogenic signals on adult stem cell behavior"

- **LUNCH BREAK**

- **13.30** Anne GRAPIN-BOTTON (Max Planck Institute, Dresden, DE)
  "Endoderm and pancreas development"

- **COFFEE**

- **15.00** Thierry JAFFREDO (IBPS, Paris, FR)
  "Hematopoietic stem and progenitor cells development"

- **16.00** student project presentation

**Tuesday, Oct. 15th, AMPHI BDD**

- **9.30** Allison BARDIN (Institut Curie, Paris, FR)
  "Stem cells and tissue homeostasis"

- **10.30** student project presentation

- **COFFEE**

- **11.15** Alexandre BAFFET (Institut Curie, Paris, FR)
  "Human neurogenesis"

- **LUNCH BREAK**

- **13.30** Miki EBISUYA (EMBL, Barcelona, Spain)
  "Human time vs. mouse time: in vitro segmentation clock as a model system"

- **COFFEE**

- **15.00** Laurent DAVID (CRTI, Nantes, FR)
  "Deciphering cell fate decisions during preimplantation development"

**Wednesday, Oct. 16th, AMPHI BDD**

**STEM CELLS AND ORGANOGENESIS (Chair: A. BARDIN)**

- **9.30** Enrique AMAYA (University of Manchester, UK)
  "Tissue formation, repair and regeneration"

- **COFFEE**

- **10.45** Aziz ABOOBAKER (Oxford University, UK)
  "Planarian regeneration"

- **LUNCH BREAK**

**REGENERATION (Chair: Y. BELLAICHE)**

- **9.30** Enrique AMAYA (University of Manchester, UK)
  "Tissue formation, repair and regeneration"

- **COFFEE**

- **10.45** Aziz ABOOBAKER (Oxford University, UK)
  "Planarian regeneration"

- **LUNCH BREAK**

**Chair: C. THIBAULT**

- **13.30** Miki EBISUYA (EMBL, Barcelona, Spain)
  "Human time vs. mouse time: in vitro segmentation clock as a model system"

- **COFFEE**

- **15.00** Laurent DAVID (CRTI, Nantes, FR)
  "Deciphering cell fate decisions during preimplantation development"

**COCKTAIL**