

# 12<sup>TH</sup> DEVELOPMENTAL BIOLOGY COURSE: From Stem Cells to Morphogenesis

October 11-20, 2021

Monday, Oct. 11 <sup>th</sup> AMPHI BDD	Tuesday, Oct. 12 <sup>th</sup> AMPHI BDD	Wednesday, Oct. 13 <sup>h</sup> AMPHI BDD	Thursday, Oct. 14 <sup>th</sup> AMPHI BDD	Friday, Oct. 15 <sup>h</sup> AMPHI BDD
9.30 WELCOMING SESSION	STEM CELLS	STEM CELLS	DEVELOPMENT OF THE NERVOUS SYSTEM	CELL MIGRATION
INAUGURAL SEMINAR	9.30 <b>Uri FRANK</b> (CCB, Galway, IE) "Tracing the effect of oncogenic signals on adult stem cell behavior "	9.30 <b>Allison BARDIN</b> (Institut Curie, Paris, FR) "Stem cells and tissue homeostasis"	9.30 <b>Marie BREAU</b> (IBPS, Paris, FR) "Mechanics of neural development"	9.30 <b>Roberto MAYOR</b> (UCL, London, UK) " Interplay of chemical and mechanical signals drives directional neural crest migration "
10.00 <b>Valentina GRECO</b> (Yale University, USA) "Principles of tissue dynamics and function captured by live imaging"	11.00 <b>Nicolas RIVRON</b> (IMBA, Austrian Academy of Science, AT) "Self-organising stem cells "	11.00 <b>Naomi MORIS</b> (Francis Crick Institute, London, UK) "Models of development and disease"	11.00 <b>Claudio STERN</b> (UCL, London, UK) "Building a brain: a molecular dissection of neural induction"	11:00 <b>Verena RUPRECHT</b> (CRG, Barcelona, ES) " Cell migration and morphodynamic plasticity"
LUNCH BREAK	LUNCH BREAK	LUNCH BREAK	LUNCH BREAK	LUNCH BREAK
STEM CELLS	STEM CELLS	STEM CELLS	ORGANOGENESIS	EVO-DEVO
13.30 <b>Joo-Hyeon LEE</b> (MRC, University of Cambridge, UK) " Stem Cell States, Fates and Niches in Lung Regeneration "	13.30 <b>Marta SHAHBAZI</b> (MRC, London, UK) "Pluripotency in embryogenesis and regeneration"	13.30 <b>Enrique AMAYA</b> (University of Manchester, UK) "Tissue formation, repair and regeneration"	13.30 <b>Robert KELLY</b> (IBDM, Marseille, FR) "Genetic control of heart development"	13.30 <b>Abderrahman KHILA</b> (IGFL, Lyon, FR) "Developmental genomics and evolution"
15.00 <b>Maria Carolina FLORIAN</b> (Idibell, Barcelona, ES) " Hematopoetic stem cell aging"	15.00 <b>Maria Celeste ARAGONA</b> (DAN Stem, Copenhagen, DK) "Tissue dynamics and regeneration"	15.00 <b>Patrick MULLER</b> (FML, Tübingen, DE) "Systems biology of signaling during vertebrate development"	15.00 <b>Elke OBER</b> (DAN Stem, Copenhagen, DK) "Liver development and regeneration"	15.00 <b>Cliff TABIN</b> (Harvard university, USA) "TBA "

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Monday, Oct. 18 <sup>h</sup> AMPHI BDD	Tuesday, Oct. 19 <sup>th</sup> AMPHI BDD	Wednesday, Oct. 20 <sup>th</sup> AMPHI BDD
EARLY DEVELOPMENT	GROWTH REGULATION	CELL MECHANICS DURING DEVELOPMENT
<p>9.30 <b>Marie-Emilie TERRET</b> (College de France, Paris, FR) "Control of gene expression by nucleus centration in mouse oocytes"</p> <p>11.00 <b>Deborah BOURC'HIS</b> (Institut Curie, Paris, FR) " Protect or program: the dichotomy of DNA methylation during spermatogenesis "</p> <p>LUNCH BREAK</p> <p>13.30 <b>Kate McDole</b> (MRC, London, UK) "Morphogenesis of the early mammalian embryo"</p> <p>15.00 <b>Bertrand BENZAERAF</b> (CB/CNRSI, Toulouse, FR) " Multi-tissue analysis of axis elongation in vertebrate embryo"</p>	<p>9.30 <b>Pierre LEOPOLD</b> (Institut Curie, Paris, FR) " Genetics and Physiology of growth"</p> <p>11.00 <b>Jonathan RODENFELS</b> (MPI, Dresden, DE) " Energetics in embryonic development and cell growth"</p> <p>LUNCH BREAK</p> <p>13.30 <b>Michalis AVEROF</b> (IGFL, Lyon, FR) "Beyond model organisms- exploring regeneration in crustacean"</p> <p>PATTERNING</p> <p>15.00 <b>Evelyn HOULISTON</b> (LDBV, Sorbonne Université, Villefranche/mer, FR) "Axis patterning during Cnidarian development"</p>	<p>9.30 <b>Alexis MAIZEL</b> (COS, Heidelberg, DE) "Morphogenesis in plants – may the Force be with you"</p> <p>LUNCH BREAK</p> <p>13.30 <b>Francois ROBIN</b> (IBPS, Paris, FR) " Cortical actomyosin cytoskeleton and mechanical properties of embryonic cells "</p> <p>15.00 <b>Jean-Léon MAITRE</b> (Institut Curie, Paris FR) "Mechanics of blastocyst morphogenesis"</p>