

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

October 9-20, 2017



Monday, Oct. 9 <sup>th</sup> AMPHI BURG & AMPHI BDD	Tuesday, Oct. 10 <sup>th</sup> AMPHI BDD	Wednesday, Oct. 11 <sup>th</sup> AMPHI BDD	Thursday, Oct. 12 <sup>th</sup> AMPHI BDD	Friday, Oct. 13 <sup>th</sup> AMPHI BDD
9.30 WELCOMING SESSION <b>COFFEE</b>	9.30 EVOLUTION Chair: J-L. MAÎTRE <b>Virginie COURTIER-ORGOGOZO</b> (Institut Jacques Monod, Paris, FR) <b>"Evolution of morphology &amp; genetics"</b> <b>COFFEE</b>	9.30 DROSOPHILA Chair: Y. BELLAÏCHE <b>Bassem HASSAN</b> (ICM, Paris, FR) <b>"Transcriptional control of neurogenesis"</b> <b>COFFEE</b>	9.30 CHICK Chair: C. THIBAUT <b>Marie MANCEAU</b> (Collège de France, Paris, FR) <b>"Formation &amp; evolution of skin patterns"</b> <b>COFFEE</b>	9.30 XENOPUS Chair: M. UMBHAUER <b>Soeren LIENKAMP</b> (University Hospital Freiburg, DE) <b>"What shapes the kidney, why do we care? Renal morphogenesis, reprogramming &amp; disease modeling in Xenopus"</b> <b>COFFEE</b>
10.00 INAUGURAL SEMINAR Chair: Y. BELLAÏCHE <b>Jürgen KNOBLICH</b> (IMBA, Vienna, AT) <b>"Neural stem cells &amp; brain development: from Drosophila to humans"</b>	11.30 EARLY DEVELOPMENT <b>Paul TRAINOR</b> (Stowers Institute, Kansas, USA) <b>"Neural crest cells: evolution development &amp; disease"</b> <b>LUNCH &amp; COFFEE</b>	11.30 DROSOPHILA <b>Frank SCHNORRER</b> (IBDM, Marseille, FR) <b>"The biomechanics of muscle morphogenesis"</b> <b>LUNCH &amp; COFFEE</b>	11.30 CHICK <b>Claudio STERN</b> (University College, London, UK) <b>"Gastrulation through a primitive streak: cellular mechanics &amp; signals"</b> <b>LUNCH &amp; COFFEE</b>	11.30 XENOPUS <b>Martin BLUM</b> (University of Hohenheim, Stuttgart, DE) <b>"Xenopus: an ideal model organism to study vertebrate left-right asymmetry &amp; laterality disorders"</b> <b>LUNCH &amp; COFFEE</b>
11.30 ELEVATOR SPEECH (J-R. HUYNH & M. UMBHAUER) <b>LUNCH</b>	14.30 Student project presentation (P. Trainor's paper)	14.30 DROSOPHILA <b>Yohanns BELLAÏCHE</b> (Institut Curie, Paris, FR) <b>"Mitosis &amp; morphogenesis"</b>  16.00 Student project presentation (Y. Bellaïche's paper)	14.30 Student project presentation (C. Stern's paper)	14.30 Student project presentation (M. Blum's paper)
13.30 MARINE ORGANISMS Chair: J-R. HUYNH <b>Thomas HOLSTEIN</b> (COS, Heidelberg University, DE) <b>"Stem cells at the base of metazoan evolution"</b> <b>COFFEE</b>	15.00 EARLY DEVELOPMENT <b>Jean-Léon MAÎTRE</b> (Institut Curie, Paris, FR) <b>"Mechanics of blastocyst morphogenesis"</b> <b>COFFEE</b>	15.00 CHICK <b>Claudio STERN</b> (University College, London, UK) <b>"Building a brain: a molecular dissection of neural induction"</b>	15.00 CHICK <b>Claudio STERN</b> (University College, London, UK) <b>"Building a brain: a molecular dissection of neural induction"</b>	15.00 XENOPUS <b>François FAGOTTO</b> (CRBM, Montpellier, FR) <b>"Cellular mechanisms controlling cell-cell adhesion &amp; cell migration during Xenopus gastrulation"</b>
15.30 MARINE ORGANISMS <b>Patrick LEMAIRE</b> (CRBM, Montpellier, FR) <b>"Pervasive use of juxtacrine cell inductions may constrain the evolution of ascidian embryonic morphogenesis"</b> <b>COFFEE</b>	17.00 ELEVATOR SPEECH (J-L. MAÎTRE & C. THIBAUT)			16.00 Student project presentation (F. Fagotto's paper)
17.30 ELEVATOR SPEECH (J-R. HUYNH & M. UMBHAUER)				

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

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Monday, Oct. 16 <sup>th</sup> AMPHI BDD	Tuesday, Oct. 17 <sup>th</sup> AMPHI BDD	Wednesday, Oct. 18 <sup>th</sup> AMPHI BDD	Thursday, Oct. 19 <sup>th</sup> AMPHI BDD	Friday, Oct. 20 <sup>th</sup> AMPHI BDD
<p>9.15 ZEBRAFISH Chair: Y. BELLAÏCHE <b>Nadine VASTENHOEW</b> (Max Planck Institute, Dresdes, DE) "Transcriptional control in time &amp; space"</p> <p>10.45 Student project presentation (N. Vastenhouw's paper)</p> <p style="text-align: center;"><b>COFFEE</b></p>	<p>9.15 MOUSE Chair: C. THIBAUT <b>Marie-Emilie TERRET</b> (CIRB, Collège de France, Paris, FR) "Control of gene expression by nucleus centration in mouse oocytes"</p> <p>10.45 Student project presentation (M-E. Terret's paper)</p> <p style="text-align: center;"><b>COFFEE</b></p>	<p>9.30 WORMS Chair: A. BARDIN <b>Aziz ABOOBAKER</b> (University of Oxford, UK) "Regeneration and stem cells in planarians"</p> <p style="text-align: center;"><b>COFFEE</b></p>	<p>9.15 STEM CELLS Chair: A. BARDIN <b>Allison BARDIN</b> (Institut Curie, Paris, FR) "Drosophila intestinal stem cells"</p> <p>10.45 Student project presentation (A. Bardin's paper)</p> <p style="text-align: center;"><b>COFFEE</b></p>	<p>9.15 STEM CELLS Chair: A. BARDIN <b>Jennifer NICHOLS</b> (University of Cambridge, UK) "Embryonic stem cell &amp; early mammalian development"</p> <p>10.45 Student project presentation (J. Nichols' paper)</p> <p style="text-align: center;"><b>COFFEE</b></p>
<p>11.45 ZEBRAFISH <b>Caren NORDEN</b> (Max Planck Institute, Dresdes, DE) "Shaping the vertebrate retina: From optic cup to neuronal lamination"</p> <p style="text-align: center;"><b>LUNCH &amp; COFFEE</b></p> <p>14.30 Student project presentation (C. Norden's paper)</p>	<p>11.45 MOUSE <b>Malcolm LOGAN</b> (King's College, London, UK) "Limb Development: a paradigm for mechanisms regulating development"</p> <p style="text-align: center;"><b>LUNCH &amp; COFFEE</b></p>	<p>11.30 WORMS <b>Michel LABOUESSE</b> (UMR 7622, IBPS, UPMC, Paris, FR) "Mechanical forces &amp; elasticity in morphogenesis"</p> <p style="text-align: center;"><b>LUNCH &amp; COFFEE</b></p>	<p>11.45 STEM CELLS <b>Anne GRAPIN-BOTTON</b> (DanStem, University of Copenhagen, DK) "Pancreas development &amp; stem cell models"</p> <p style="text-align: center;"><b>LUNCH &amp; COFFEE</b></p>	<p>11.45 STEM CELLS <b>Clare BLACKBURN</b> (Center for regenerative medicine, Edinburgh, UK) "Thymus generation &amp; regeneration"</p> <p style="text-align: center;"><b>LUNCH &amp; COFFEE</b></p>
<p>15.00 ZEBRAFISH <b>Alena SHKUMATAVA</b> (Institut Curie, Paris, FR) "Dissecting the in vivo functions of vertebrate lncRNAs"</p>	<p>15.00 PLANTS <b>Patrick LAUFS</b> (INRA, Versailles, FR) "From gene to shape in plants"</p>	<p>14.30 STEM CELLS <b>Pauline SPÉDER-MURPHY</b> (Institut Pasteur, Paris, FR) "Shapely changes: dynamics of the neural stem cell niche in Drosophila"</p>	<p>15.00 STEM CELLS <b>Anna BIGAS</b> (Hospital Del Mar Research Institute, Barcelona, SP) "Specification of hematopoietic stem cells"</p> <p>16.00 Student project presentation (A. Bigas' paper)</p> <p style="text-align: center;"><b>COCKTAIL (18.30 – 21.30)</b></p>	<p>14.30 Student project presentation (C. Blackburn's paper)</p> <p>15.00 STEM CELLS <b>Shahragim TAJBAKHS</b> (Institut Pasteur, Paris, FR) "Regulation &amp; heterogeneity in developmental &amp; regenerative myogenesis"</p>