

7TH DEVELOPMENTAL BIOLOGY COURSE: From Stem Cells to Morphogenesis

October 10-21, 2016



Monday, Oct. 10 th AMPHI BDD	Tuesday, Oct. 11 th AMPHI BDD	Wednesday, Oct. 12 th AMPHI BDD	Thursday, Oct. 13 th AMPHI BDD	Friday, Oct. 14 th AMPHI BDD
9.30 WELCOMING SESSION COFFEE	9.30 MARINE ORGANISMS Chair: J-R. HUYNH Evelyn HOULISTON (LBDV, UPMC, Villefranche/mer,FR) "Cnidarian developmental mechanisms" COFFEE	9.30 DROSOPHILA Chair: Y. BELLAÏCHE Matthew GIBSON (Stowers Institute, Kansas, USA) "Proliferation & morphogenesis in metazoan epithelia" COFFEE	9.15 CHICK Chair: C. THIBAUT Xavier MORIN (IBENS, Paris, FR) "Cell division & neurogenesis" 10.30 Student project presentation COFFEE	9.30 XENOPUS Chair: M. UMBHAUER Enrique AMAYA (University of Manchester, UK) "The secrets of scarless wound healing & appendage regeneration" COFFEE
10.00 INAUGURAL SEMINAR Chair: J-R. HUYNH Peter LAWRENCE (Cambridge University, UK) "Lessons from a lifetime researching developmental biology" BREAK	11.30 MARINE ORGANISMS Patrick LEMAIRE (CRBM, Montpellier, FR) "Quantitative single cell analysis of a whole-embryo developmental programme: why so much evolutionary stability?" BREAK COFFEE	11.30 DROSOPHILA Frank SCHNORRER (Max Planck Institute, Martinsried, DE) "The biomechanics of muscle morphogenesis" BREAK COFFEE	11.30 CHICK Claudio STERN (University College, London, UK) "Gastrulation through a primitive streak: cellular mechanics & signals" BREAK COFFEE	11.30 XENOPUS Roberto MAYOR (University College, London, UK) "Collective cell migration: the case of neural crest" BREAK COFFEE
13.30 EVOLUTION Chair: Y. BELLAÏCHE Paul TRAINOR (Stowers Institute, Kansas, USA) "Neural crest cells: evolution development & disease" 15.00 Student project presentation COFFEE	14.30 GERM CELLS Chair: J-R. HUYNH Katja WASSMANN (IBPS, UPMC Paris, FR) "Control of chromosome segregation in mouse oocytes " 16.00 Student project presentation	14.30 DROSOPHILA Bassem HASSAN (ICM, Paris, FR) "Transcriptional regulation of early nervous system development" 16.00 Student project presentation	14.30 CHICK Chair: M. UMBHAUER Claudio STERN (University College, London, UK) "Building a brain: a molecular dissection of neural induction" 16.00 Student project presentation	14.30 XENOPUS Martin BLUM (University of Hohenheim, DE) "Evolution & development of the left-right axis in the frog xenopus" 16.00 Student project presentation
16.00 EVOLUTION Marie MANCEAU (Collège de France, Paris, FR) "Formation & evolution of color patterns"	17.30 ELEVATOR SPEECH	17.30 ELEVATOR SPEECH		
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Monday, Oct. 17 th AMPHI BDD	Tuesday, Oct. 18 th AMPHI BDD	Wednesday, Oct. 19 th AMPHI BDD	Thursday, Oct. 20 th AMPHI BDD	Friday, Oct. 21 st AMPHI BDD
9.30 ZEBRAFISH Chair: A. SHKUMATAVA Alena SHKUMATAVA (Institut Curie, Paris, FR) "Dissecting functions and mechanisms of vertebrate long noncoding RNAs" COFFEE	9.30 WORMS Chair: C. THIBAUT Alejandro SANCHEZ ALVARADO (Stowers Institute, Kansas, USA) "Planarian regeneration" COFFEE	9.30 MOUSE Chair: C. THIBAUT Jean-Léon MAÎTRE (Institut Curie, Paris, FR) "Mechanics of blastocyst morphogenesis" COFFEE	9.30 STEM CELLS Chair: A. BARDIN Shahragim TAJBAKHS (Institut Pasteur, Paris, FR) "Regulators of embryonic & adult skeletal muscle stem/progenitors cells" COFFEE	9.30 STEM CELLS Chair: A. BARDIN Peter HOHENSTEIN (Roslin Institute, Edinburgh, UK) "The yin and yang of kidney development and wilms' tumours – a tale of mouse models and stem cells" COFFEE
11.30 ZEBRAFISH Jon CLARKE (King's College, London, UK) "Building & shaping the brain" BREAK COFFEE	11.30 WORMS Michel LABOUESSE (UMR 7622, IBPS, UPMC, Paris, FR) "Embryonic life under tension: changing shapes through mechanical forces" BREAK COFFEE	11.30 MOUSE Carmine SETTEMBRE (TIGEM, Pozzuoli, IT) "Role of lysosomal processes in skeletal developmental & diseases" BREAK COFFEE	11.30 STEM CELLS Jennifer NICHOLS (Cambridge Stem Cell Institute, UK) "Embryo stem cell biology" BREAK COFFEE	11.15 STEM CELLS Thierry JAFFREDO (UMR 7622, IBPS, UPMC, Paris, FR) "Endothelial to hematopoietic transition during development & beyond" 12.45 Student project presentation BREAK COFFEE
14.30 ZEBRAFISH Philippe HERBOMEL (Institut Pasteur, Paris, FR) "Developmental hematopoiesis in vertebrates: insights from <i>in vivo</i> studies in zebrafish" 	14.30 PLANTS Chair: C. THIBAUT Jan TRAAS (ENS, Lyon, FR) "From gene to shape at the shoot meristem" 	14.30 STEM CELLS Chair: C. THIBAUT Thomas HOLSTEIN (Heidelberg University, DE) "Regeneration, stem cells & pattern formation at the base of metazoan evolution" 16.00 Student project presentation 	14.30 STEM CELLS Robert KELLY (IBDM, Marseille, FR) "Genetic control of heart development" 16.00 Student project presentation COCKTAIL	14.30 STEM CELLS Allison BARDIN (Institut Curie, Paris, FR) "Maintenance of adult tissues by tissue-specific stem cells"