

10TH DEVELOPMENTAL BIOLOGY COURSE: From Stem Cells to Morphogenesis

October 7-11, 2019

Monday, Oct. 7 th AMPHI BDD	Tuesday, Oct. 8 th AMPHI BDD	Wednesday, Oct. 9 th AMPHI BDD	Thursday, Oct. 10 th AMPHI BDD	Friday, Oct. 11 th AMPHI BDD
9.30 WELCOMING SESSION	GERM CELLS AND SEX DETERMINATION	GROWTH REGULATION	DEVELOPMENT OF THE NERVOUS SYSTEM	CELL MECHANICS DURING DEVELOPMENT
Registration & COFFEE	Chair: JL. MAITRE	Chair: JL. MAITRE	Chair: C. THIBAUT	Chair: M. UMBHAUER
INAUGURAL SEMINAR	9:30 Marie-Emilie TERRET (Collège de France, Paris, FR) "Oocytes mechanics and morphogenesis"	9.30 Pierre LÉOPOLD (Institut Curie, Paris, FR) " Genetics and Physiology of growth"	9:30 Marie-Laure BAUDET (University of Trento, IT) " Micro-RNAs and brain wiring"	9:30 Michel LABOUESSE (IBPS, Paris, FR) " Coordinating the morphogenesis of two tissues through forces"
Chair: JL. MAITRE	10.30: student project presentation	10.30: student project presentation	COFFEE	10.30: student project presentation
10:00	COFFEE	COFFEE	10.45 Claudio STERN (University College, London, UK) "Building a brain: a molecular dissection of neural induction"	COFFEE
Alfonso MARTINEZ-ARIAS (University of Cambridge, UK) " Probing the self engineering of mammalian embryos "	11:15 BRUNO HUDRY (IBV, Nice, FR) "A deeper take on our sexual nature: Importance of cellular sex and underlying mechanisms"	11.15 Nic TAPON (MRC Biomedical center, London, UK) " Tissue size control and cancer models in Drosophila"	11.45: student project presentation	11.15 Kevin CHALUT (Cambridge stem cell Institute, UK) "Mechanical signaling in morphogenesis and ageing"
LUNCH SPEAKERS	LUNCH BREAK	LUNCH BREAK	LUNCH BREAK	LUNCH BREAK
GASTRULATION	CELL POLARITY AND DIVISION	Chair: C.THIBAUT	13.30 Roberto MAYOR (UCL, London, UK) "Neural crest migration"	REGULATION OF TRANSCRIPTION
Chair: Y. BELLAICHE	Chair: Y. BELLAICHE	Chair: C.THIBAUT	14.30: student project presentation	Chair: M. UMBHAUER
14:00 Jérôme GROS (Institut Pasteur, Paris, FR) "Tissue flows during gastrulation in amniote embryo"	13.30 Nicolas MINC (IJM, Paris, FR) " Division Plane Positioning"	13.30 Jan TRAAS (ENS, Lyon,FR) "The mechanics beyond leaf morphogenesis"	COFFEE	14.00 Yad GHAVI-HELM (IGFL, Lyon, FR) "Developmental epigenomics"
15.00: student project presentation	14.30: student project presentation	COFFEE	15:15 Pauline Speder (Institut Pasteur, Paris ,FR) " Shapes and signals in the neural stem cell niche"	
COFFEE	COFFEE	15:00 Lazaro CENTANIN (COS, Heidelberg, DE) " Post-embryonic stem cells"		
16:00 Carl-Phillipp HEISENBERG (IST, Austria) " Zebrafish gastrulation "	15.15 Nathan GOEHRING (Francis Crick Institute, London, UK) "Regulation of polarity in time and space: from symmetry breaking to fate specification"	16.15: student project presentation		
17.15 ELEVATOR SPEECH	16.30 ELEVATOR SPEECH			

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October 14-16, 2019

Monday, Oct. 14 th AMPHI BDD	Tuesday, Oct. 15 th AMPHI BDD	Wednesday, Oct. 16 th AMPHI BDD
STEM CELLS AND ORGANOGENESIS	STEM CELLS AND ORGANOGENESIS	REGENERATION
Chair: A. BARDIN	Chair: A. BARDIN	Chair: Y. BELLAICHE
9.30 Silvia FRE (Institut Curie, Paris, FR) "Lineage restriction and plasticity of mammary stem cells"	9.30 Allison BARDIN (Institut Curie, Paris, FR) "Stem cells and tissue homeostasis"	9.30 Enrique AMAYA (University of Manchester, UK) "Tissue formation, repair and regeneration"
10.30: student project presentation	10.30: student project presentation	COFFEE
COFFEE	COFFEE	10.45 Aziz ABOOBAKER (Oxford University, UK) "Planarian regeneration"
11.15 Bon Kyong KOO (IMBA, Vienna, Austria) "Tracing the effect of oncogenic signals on adult stem cell behavior "	11.15 Alexandre BAFFET (Institut Curie, Paris, FR) "Human neurogenesis"	LUNCH BREAK
LUNCH BREAK	LUNCH BREAK	EVO-DEVO EVO-DEVO
13:30 Anne GRAPIN-BOTTON (Max Planck Institute, Dresden, DE) " Endoderm and pancreas development"	Chair: C. THIBAUT	Chair: M. UMBHAUER
COFFEE	13.30 Miki EBISUYA (EMBL, Barcelona, Spain) "Human time vs. mouse time: in vitro segmentation clock as a model system"	14.00 Marie MANCEAU (Collège de France, Paris, FR) "Formation and evolution of color patterns"
15:00 Thierry JAFFREDO (IBPS, Paris, FR) "Hematopoietic stem and progenitor cells development"	COFFEE	COFFEE
16.00: student project presentation	15.00 Laurent DAVID (CRTI, Nantes, FR) "Deciphering cel fate decisions during preimplantation development"	15.30 Patrick LEMAIRE (CRBM, Montpellier, FR) "Exploring the Diversity of Tunicate Genomes & Developmental Programmes"
		16.30: student project presentation
		COCKTAIL