

11th Course on Epigenetics - March 11-18, 2015

A Training Unit International Course - Open conferences (in blue)

Wednesday, March 11 th		Chairs: Geneviève Almouzni & Nathalie Dostatni
Amphithéâtre BDD , 11-13 rue Pierre & Marie Curie, 75005 Paris		
8:45	Training Unit Institut Curie	Welcome & practical aspects
09:30 10:00	Geneviève Almouzni & Nathalie Dostatni UMR 3664, Institut Curie/CNRS, FR	Presentation of the module by the organizers & scientific committee
	Brunch Committee	Presentation of the brunch
10:00	Students presentation & personal work	Short presentation of background and research interest (1 mn each) orchestrated by David Sitbon
10:30	BREAK & POSTERS SET-UP (BDD Hall)	
11:00 11:45	Andrew Moore BioEssays, DE	Want People to Read your Paper? Here's How to Optimize your Chances...
11:45	GROUP PHOTO	
12:00 12:45	Geneviève Almouzni UMR 3664, Institut Curie/CNRS, FR	Chromatin Assembly & Histone Chaperones
13:00	LUNCH (Green Café)	
14:00	ALUMNI session	
14:00 14:25	Guillermo Orsi UMR3664, Institut Curie/CNRS, FR	Cooperative Architecture of DNA Regulatory Elements
14:35 15:00	Anne Gabory UMR 1198, INRA, FR	Placental Contribution to Nutritional Programming of Health & Diseases: Epigenetics & Sexual Dimorphism
15:10 15:35	Julie Chaumeil UMR 3215/U934, Institut Curie/CNRS/INSERM, FR	Epigenetic Regulation of V(D)J Recombination: Implications for Monoallelic, Mono-locus Recombination & Genome Integrity
15:45	BREAK (BDD Hall)	
16:15 17:15	Peter Becker - KEYNOTE lecture University of Munich, DE	Get the Numbers Right or Die: How Male Flies Get Away With Just One X Chromosome
17:30 19:30	Epigenetic Imagin(in)g Workshop with Paul Harrison (Chez Marie)	
19:30	WELCOME RECEPTION (Green Café)	

Thursday, March 12th		Chairs: Angela Taddei & Julie Chaumeil
Amphithéâtre BDD, 11-13 rue Pierre & Marie Curie, 75005 Paris		
09:30 10:15	Manolis Papamichos-Chronakis UMR 3664, Institut Curie/CNRS, FR	Chromatin Regulation of Nuclear Proteostasis
10:30 10:50	Article presentation by Matteo Tosolini & Sophia Groh	Keskin, H. & al. (2014) Transcript-RNA-templated DNA recombination and repair. Nature
11:00	BREAK (BDD Hall)	
11:30 12:15	Saadi Khochbin Institut Albert Bonniot, FR	Molecular Basis of Post-Meiotic Male Genome Programming
12:30 12:50	Article presentation by Karin Lauschke & Thom Molenaar	Samans, B. & al. (2014) Uniformity of nucleosome preservation pattern in mammalian sperm and its connection to repetitive DNA elements & Carone, B. R. & al. (2014) High-resolution mapping of chromatin packaging in mouse embryonic stem cells and sperm. Developmental Cell
13:00	LUNCH (Green Café)	
14:00 15:00	CURIE MUSEUM VISIT	
15:00 15:45	Elizabeth Blackburn - KEYNOTE lecture University of California, USA	Telomere Dynamics on Various Time Scales: From Molecular Events to <i>in vivo</i> Consequences in Humans
16:00 16:20	Article presentation by Anna Kychygina & Ikrame Naciri	Codd, V. & al. (2013) Identification of seven loci affecting mean telomere length and their association with disease. Nature Genetics
16:30	BREAK (BDD Hall)	
17:00 17:45	Leonid Mirny Harvard MIT, USA	Physical Principles of Genome Folding
18:00 18:20	Article presentation by Victoire Baillet & Kathryn McLaughlin	Dixon, J. R. & al. (2012) Topological domains in mammalian genomes identified by analysis of chromatin interactions. Nature

Friday, March 13th		Chairs: Judith Miné-Hattab & Mickaël Garnier
Amphithéâtre BDD, 11-13 rue Pierre & Marie Curie, 75005 Paris		
09:30 10:15	Patricia Le Baccon & Tristan Piolot UMR 3664/UMR 3215/U934, Institut Curie/CNRS/INSERM, FR	Microscopy, High Resolution Microscopy & Epigenetics
10:30 10:50	Article presentation by Tien-Chi Huang & Célia Bosso-Lefèvre	Smeets, D. & al. (2014) Three-dimensional super-resolution microscopy of the inactive X chromosome territory reveals a collapse of its active nuclear compartment harboring distinct Xist RNA foci. <i>Epigenetics & Chromatin</i>
11:00 11:30	BREAK (BDD Hall)	
11:30 12:15	Nathalie Dostatni UMR 3664, Institut Curie/CNRS, FR	Imaging Transcription in Living Drosophila Embryos
12:30 12:50	Article presentation by Máté Borsos & Valentina Snetkova	Kohwi, M. & al. (2013) Developmentally regulated subnuclear genome reorganization restricts neural progenitor competence in <i>Drosophila</i> . <i>Cell</i>
13:00	LUNCH (Green Café)	
14:00 14:45	Angela Taddei UMR 3664, Institut Curie/CNRS, FR	Compartmentalization & Dynamics of Nuclear Function: Lessons from Budding Yeast
15:00 15:20	Article presentation by Jorge Pereira & Aysegül Kaymak	Therizols, P. & al. (2014) Chromatin decondensation is sufficient to alter nuclear organization in embryonic stem cells. <i>Science</i>
15:30	BREAK (BDD Hall)	
16:00 16:45	Maxime Dahan UMR 168, Institut Curie/CNRS, FR	Single Molecule Approaches for Probing Nuclear Architecture & Dynamics
17:00 17:20	Article presentation by Anastasiya Kazachenka & Francesca Coraggio	Larson, D. R. & al. (2011) Real-time observation of transcription initiation and elongation on an endogenous yeast gene. <i>Science</i>
17:30 19:30	POSTER SESSION 1	

Saturday, March 14 th		CAREER DEVELOPMENT WORKSHOP
Cafeteria Institut Curie, 25 rue d'Ulm, 1 st floor, 75005 Paris		
11:00	Organized by PhD students & Postdocs UMR 3664, Institut Curie/CNRS, FR	President - Camille Clément Members - Camille Clément, Marie Clémot, Aurore Sanchez, Xavier Tadeo, Surayya Taranum
13:00	Invited participants	Edition & Media Alex Eccleston - <i>Senior Editor</i> , Nature Publishing, UK Patricia Gongal - <i>Research Development Officer</i> , The English Edition, UK Rick Scavetta - <i>Co-founder, Trainer & Facilitator</i> , Science Craft, DE Private companies & Biotechnologies Charles Parnot - <i>CEO co-founder</i> , Findings App, FR Mickaël Ploquin - <i>Technical Field Engineer</i> , NEB, FR Academics Monika Lachner - <i>Scientific Coordinator</i> , Max Planck Institute, DE Anne Le Goff - <i>Atelier des Jours à venir & Université de Compiègne</i> , FR Johan Le Men - <i>Institutional Partnership & Strategic Marketing Manager</i> , Inserm Transfert, FR

Monday, March 16th		Chairs: Valérie Borde & Edith Heard
Amphithéâtre BDD, 11-13 rue Pierre & Marie Curie, 75005 Paris		
09:30 10:15	Edith Heard UMR 3215/U934, Institut Curie/INSERM/CNRS, FR	X-Chromosome Inactivation: a Model for Monoallelic Gene Expression & Epigenetics
10:30 10:50	Article presentation by Xia Wu & Drice Challal	Wu, H. & al. (2014) Cellular resolution maps of X chromosome inactivation: Implications for neural development, function, and disease. Neuron
11:00	BREAK (BDD Hall)	
11:30 12:15	François Spitz European Molecular Biology Laboratory, DE	Managing Long-Distance (Regulatory) Relationships
12:30 12:50	Article presentation by Philip Kohlmeier & Julia Hacker	Andrey, G. & al. (2013) A switch between topological domains underlies HoxD genes collinearity in mouse limbs. Science
13:00	LUNCH (Green Café)	
14:00 14:45	Wendy Bickmore MRC, UK	Chromatin Conformation in the Nucleus & Gene Regulation
15:00 15:20	Article presentation by Ofir Shukron & Yousra Ben Zouari	Lucas, J. S. & al. (2014) 3D trajectories adopted by coding and regulatory DNA elements: First -passage times for genomic interactions. Cell
15:30	BREAK (BDD Hall)	
16:00 16:45	Ana Pombo Berlin Institute for Medical Systems Biology, DE	Mechanism of Polycomb Repression in ES Cells
17:00 17:20	Article presentation by Carole Kesrouani & Lara Shahidian	Tee, W. et al. (2014) Erk1/2 activity promotes chromatin features and RNAPII phosphorylation at developmental promoter in mouse ESCs. Cell
17:30 19:30	POSTER SESSION 2	

Tuesday, March 17th		Chairs: Manolis Papamichos-Chronakis & Guillermo Orsi
Amphithéâtre BDD, 11-13 rue Pierre & Marie Curie, 75005 Paris		
09:30 10:15	Arturo Londono-Vallejo UMR 3244, Institut Curie/CNRS, FR	Epigenetics at the Ends
10:30 10:50	Article presentation by Ilan Theurillat & Ailsa Revuelta	Conomos, D. & al. (2014) NuRD-ZNF827 recruitment to telomeres creates a molecular scaffold for homologous recombination. Nat. Struc. & Mol. Bio.
11:00	BREAK (BDD Hall)	
11:30 12:30	Patrick Heun Wellcome Trust Centre for Cell Biology, UK	Dissecting the Centromere-Specific Histone CENP-A in Drosophila
12:45 13:05	Article presentation by Giacomo Grillo & Daniil Pokrovsky	Fachinetti, D. & al. (2013) A two-step mechanism for epigenetic specification of centromere identity and function. Nature Cell Biology
13:00	LUNCH (Green Café)	
14:00 14:45	Valérie Borde UMR 3664, Institut Curie/CNRS, FR	Chromatin and Recombination in Meiosis
15:00 15:20	Article presentation by Gustavo Ruiz Buendia & Alessandro Galbiati	Birck, K. & al. (2012) Genetic recombination is directed away from functional genomic elements in mice. Nature
15:30	BREAK (BDD Hall)	
16:00 16:45	Doug Higgs University of Oxford, UK	Switching Genes on & off During Erythropoiesis
17:00 17:20	Article presentation by Delphine Albrecht & Michele Gabriele	Ghavi-Helm, Y. & al. (2014) Enhancer loops appear stable during development and are associated with paused polymerase. Nature
17:30	Dörthe Nickel (EpiGeneSys) UMR 3664, Institut Curie/CNRS, FR	Opportunities in the Research Programs of the European Union
18:00	NIKON IMAGING CENTER VISIT with Patricia Le Baccon	
19:30	FAREWELL COCKTAIL & POSTER PRIZE CELEBRATION BUFFET DINNER "Chez Marie"	

Wednesday, March 18th		Chairs: Jean-Pierre Quivy & Nathalie Dostatni
Amphithéâtre BDD, 11-13 rue Pierre & Marie Curie, 75005 Paris		
9:30	Debriefing of the course	
10:00 10:45	John Grealley Albert Einstein College of Medicine, USA	Non-Canonical Nucleic Acid Structures in the Mammalian Genome
11:00	BREAK (BDD Hall)	
11:30 12:30	Vincent Colot IBENS, FR	Transgenerational Epigenetics in Arabidopsis: Mechanisms & Consequences
12:45	LUNCH (Green Café)	
14:30	FAREWELL & DEPARTURE	