

# 16<sup>th</sup> course on Epigenetics - March 18-25, 2020

A Training Unit International Course - Open conferences in blue or orange

Wednesday, March 18 <sup>th</sup>		Chairs: Geneviève Almouzni and	
09:00	<b>Training Unit</b> Institut Curie	Welcome: practical aspects	
09:30	<b>Geneviève Almouzni &amp; Nathalie Dostatni</b> Institut Curie, Paris - FR	Presentation of the module by the organizers & scientific committee	
09:45	<b>Brunch Committee</b>	Presentation of the brunch	
09:45 10:30	<b>Students presentation &amp; personal work</b>	Short presentation of background and research interest (1 mn each)	
10:30 11:00	<b>BREAK (BDD Hall)</b>		
11:00 11:45	<b>Jonathan Weitzman</b> University Denis Diderot, Paris, FR	<b>The epigenetics of host-parasite interactions</b>	
12:00 12:45	<b>Angela Taddei</b> Institut Curie, Paris, FR	<b>Compartmentalization and Dynamics of Nuclear function: lesson from budding yeast</b>	
13:00	<b>LUNCH</b>		<b>Green Cafe</b>
14:00	<b>ALUMNI SESSION</b>		
14:00 14:20	<b>Hervé Techer</b> Montpellier	IGH,	<b>A new link between replication stress and inflammation</b>
14:30 14:50	<b>Benjamin Towbin</b> Basel, CH	FMI,	<b>Optimal Phenotypic Plasticity of Growth and Body Size</b>
15:00 18:00	<b>Paul Liam Harrisson</b> University of Dundee, Dundee - UK	<b>EpiEvent : Epigenetics Imagining Workshop</b>	
18:00 19:00	<b>KEYNOTE LECTURE (Marie Curie Seminar) : Yamuna Krishnan</b> The University of Chicago, US	<b>Organellar DNA reporters for Discovery in Biology</b>	
19:30	<b>WELCOME RECEPTION</b>		<b>Chez Marie</b>

Amphithéâtre BDD  
11-13 rue Pierre & Marie Curie,  
75005 Paris

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Annexe BDD

Amphithéâtre Burg  
12 rue Lhomond,  
75005 Paris

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Thursday, March 19 <sup>th</sup>		Chairs:		
09:30 10:15	<b>Chris Bowler</b> IBENS, Paris, FR	<b>Chromatin-based regulation of responses to the environment in plants and marine diatoms</b>		Amphithéâtre BDD 11-13 rue Pierre & Marie Curie, 75005 Paris
10:30 10:50	Article presentation by Baptiste Vancostenoble and Tamara Yehouessi	Huff, J. T., & Zilberman, D. (2014). Dnmt1-independent CG methylation contributes to nucleosome positioning in diverse eukaryotes. <i>Cell</i> , 156(6), 1286-1297.		
11:00	<b>BREAK</b>			
11:30 12:15	<b>Beat Fierz</b> EPFL, Lausanne, CH	<b>Chemistry and single-molecule imaging reveal chromatin organization during gene regulation</b>		Green Cafe
12:30 12:50	Article presentation by Bolaji Isiaka and Helena Viñas Gaza	Shema, E., Jones, D., Shores, N., Donohue, L., Ram, O., & Bernstein, B. E. (2016). Single-molecule decoding of combinatorially modified nucleosomes. <i>Science</i> , 352(6286), 717-721.		
13:00	<b>LUNCH</b>			
14:00 14:45	<b>Ines Drinnenberg</b> Institut Curie, Paris, FR	<b>Evolution of centromeres: Diverse architectures yet conserved function</b>		Amphithéâtre BDD 11-13 rue Pierre & Marie Curie, 75005 Paris
15:00 15:20	Article presentation by Bechara Zeinoun and Adrianos Skaros	Navarro-Mendoza, M. I., Pérez-Arques, C., Panchal, S., Nicolás, F. E., Mondo, S. J., Ganguly, P., ... & Garre, V. (2019). Early diverging fungus <i>Mucor circinelloides</i> lacks centromeric histone CENP-A and displays a mosaic of point and regional centromeres. <i>Current Biology</i> , 29(22), 3791-3802.		
15:30	<b>BREAK (BDD Hall)</b>			
16:00 16:45	<b>Alena Shkumatava</b> Institut Curie, Paris, FR	<b>Dissecting the in vivo functions &amp; mechanisms of action of vertebrate lncRNAs</b>		
17:00 17:20	Article presentation by Priya Maddhesiya and Adam Taheraly	Kleaveland, B., Shi, C. Y., Stefano, J., & Bartel, D. P. (2018). A network of noncoding regulatory RNAs acts in the mammalian brain. <i>Cell</i> , 174(2), 350-362		
17:30 18:15	<b>Armelle Corpet</b> University, Lyon FR	Lyon	<b>Women in Sciences</b>	
18:30 20:30	<b>POSTER SESSION 1</b>			Annexes Burg

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Friday, March 20 <sup>th</sup>		Chairs:	
09:30 10:15	<b>Raphaël Rodriguez</b> Institut Curie, Paris, FR	Regulation of epigenetic plasticity by iron	Amphithéâtre BDD 11-13 rue Pierre & Marie Curie, 75005 Paris
10:30 10:50	Article presentation by Felix Blanc and Patrick Siang Lin Lim	Zheng, X., Carstens, J. L., Kim, J., Scheible, M., Kaye, J., Sugimoto, H., ... & Kalluri, R. (2015). Epithelial-to-mesenchymal transition is dispensable for metastasis but induces chemoresistance in pancreatic cancer. <i>Nature</i> , 527(7579), 525-530. Fischer, K. R., Durani, A., Lee, S., Sheng, J., Li, F., Wong, S. T., ... & Schwabe, R. F. (2015). Epithelial-to-mesenchymal transition is not required for lung metastasis but contributes to chemoresistance. <i>Nature</i> , 527(7579), 472-476.	
11:00	<b>BREAK (BDD Hall)</b>		
11:30 12:15	<b>Maria Christophorou</b> Institute, Cambridge, UK	Babraham <b>Regulating the Regulators: The curious case of protein citrullination</b>	Green cafe
12:30 12:50	Article presentation by Pinar Akkor and Claudia Serot	Foster, B. M., Stolz, P., Mulholland, C. B., Montoya, A., Kramer, H., Bultmann, S., & Bartke, T. (2018). Critical role of the UBL domain in stimulating the E3 ubiquitin ligase activity of UHRF1 toward chromatin. <i>Molecular cell</i> , 72(4), 739-752.	
13:00	<b>LUNCH (BDD Hall)</b>		Amphithéâtre BDD 11-13 rue Pierre & Marie Curie, 75005 Paris
14:00 14:45	<b>Michiel Vermeulen</b> Institute for Molecular Life Sciences, Nijmegen, NL	Radboud <b>Deciphering gene expression regulation in health and disease using integrative omics approaches</b>	Curie Muséum
15:00 15:20	Article presentation by Alexandre Devaux and Tina Karagoyzova	Liu, X., Zhang, Y., Chen, Y., Li, M., Zhou, F., Li, K., ... & Dickerson, K. E. (2017). In situ capture of chromatin interactions by biotinylated dCas9. <i>Cell</i> , 170(5), 1028-1043.	
15:30 15:50	Article (proposed by Angela) presentation by Marion Genet and Velin Marita Sequeira	McSwiggen, David Trombley, et al. "Evidence for DNA-mediated nuclear compartmentalization distinct from phase separation." <i>Elife</i> 8 (2019): e47098.	Amphithéâtre BDD 11-13 rue Pierre & Marie Curie, 75005 Paris
16:00	<b>BREAK (BDD Hall)</b>		Amphithéâtre BDD 11-13 rue Pierre & Marie Curie, 75005 Paris
16:30 17:15	<b>Allison Bardin</b> Institut Curie, France, FR	To be determined	
17:30 17:50	Article presentation by Nazerke Atinbayeva and Isabel Peña Romer	Jadhav, U., Saxena, M., O'Neill, N. K., Saadatpour, A., Yuan, G. C., Herbert, Z., ... & Shivdasani, R. A. (2017). Dynamic reorganization of chromatin accessibility signatures during dedifferentiation of secretory precursors into Lgr5+ intestinal stem cells. <i>Cell Stem Cell</i> , 21(1), 65-77.	
18:00 18:45	<b>Hervé Chneiweiss</b> University, Paris, FR	Sorbonne <b>Do issues in epigenetic ethics differ from genetic ethics?</b>	

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Saturday, March 21 <sup>th</sup>		
	<b>CAREER DEVELOPMENT WORKSHOP</b>	
	Organizer: José Gil and the students from the TAB of the DEEP Labex	
11:00		<p><b>Ariane Ramaekers</b>, Maître de Conférences - Sorbonne Université  <b>Inês Pires Pinheiro</b>, Stakeholder Manager - LifeTime Initiative  <b>Francesca Graziano</b>, Postdoctoral Researcher - Sanofi  <b>Joke van Bemmel</b>, Scientific Program Manager - Gladstone Institutes  <b>Florent Ubelmann</b>, Business &amp; Scientific Analyst - Onxeo S.A.  <b>Yoann Schumacher</b>, Business Manager – Institute Curie  <b>Cristina Bartocci</b>, Scientific Writer - Institute Curie</p>
14:00	<u>FREE AFTERNOON</u>	
		<p>Cafeteria Institut Curie            25 rue d'Ulm, 1st floor, 75005            Paris</p>

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Monday, March 23rd		Chairs:		
09:30 10:15	<b>Daniele Fachinetti</b> Curie, Paris, FR	Institut	<b>The centromere paradox: genetic vs. epigenetic, a battle for centromere specification?</b>	<b>Amphithéâtre BDD</b> 11-13 rue Pierre & Marie Curie, 75005 Paris
10:30 10:50	Article presentation by Charlene Renaud and Joe Verity-Legg		Logsdon, G. A., Gambogi, C. W., Liskovych, M. A., Barrey, E. J., Larionov, V., Miga, K. H., ... & Black, B. E. (2019). Human artificial chromosomes that bypass centromeric DNA. <i>Cell</i> , 178(3), 624-639	
11:00	<b>BREAK (BDD Hall)</b>			
11:30 12:15	<b>Sophie Postel-Vinay</b> Gustave Roussy, Villejuif, FR	Institut	<b>Targeting epigenetics in solid tumours: where are we in the clinic and what's next?</b>	<b>Amphithéâtre BDD</b> 11-13 rue Pierre & Marie Curie, 75005 Paris
12:30 12:50	Article presentation by Guillaume Beinse and Sara Sebastiani		Kim, K. H., Kim, W., Howard, T. P., Vazquez, F., Tsherniak, A., Wu, J. N., ... & Orkin, S. H. (2015). SWI/SNF-mutant cancers depend on catalytic and non-catalytic activity of EZH2. <i>Nature medicine</i> , 21(12), 1491.	
13:00	<b>LUNCH</b>			
14:00 14:45	<b>Antoine Coulon</b> Curie, Paris, FR	Institut	<b>Organization and expression of the genome in space and time</b>	<b>Amphithéâtre BDD</b> 11-13 rue Pierre & Marie Curie, 75005 Paris
15:00 15:20	Article presentation by Pia Mach and Xue Sun		Mateo, L. J., Murphy, S. E., Hafner, A., Cinquini, I. S., Walker, C. A., & Boettiger, A. N. (2019). Visualizing DNA folding and RNA in embryos at single-cell resolution. <i>Nature</i> , 568(7750), 49-54.	
15:30	<b>Film projection " La Saga des Nobel"</b>			
16:00	<b>BREAK (BDD Hall)</b>			<b>Amphithéâtre BDD</b> 11-13 rue Pierre & Marie Curie, 75005 Paris
16:30 17:15	<b>Nathalie Dostatni</b> Curie, Paris, FR	Institut	<b>Imaging transcription in living embryos</b>	
17:30 17:50	Article presentation by Kristy Uttley and Juliane Viegas		Mir, M., Stadler, M. R., Ortiz, S. A., Hannon, C. E., Harrison, M. M., Darzacq, X., & Eisen, M. B. (2018). Dynamic multifactor hubs interact transiently with sites of active transcription in <i>Drosophila</i> embryos. <i>Elife</i> , 7, e40497.	
18:00 20:00	<b>POSTER SESSION 2</b>			<b>BDD Annexes</b>

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Tuesday, March 24th		
	Symposium organized jointly by the Academy of Sciences and the Royal Society	
		Academy of Sciences Quai Conti 75006 Paris
19:30	<b>FAREWELL COCKTAIL &amp; POSTER PRIZE CELEBRATION - BUFFET DINNER</b>	23  Chez Marie

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Wednesday, March 25 <sup>th</sup>		Chairs:	
09:30	Debriefing of the course		
10:00 10:45	Shauna Katz and Daniel Jeffery	Expanding Science: knowledge transfer on multiple levels	Amphithéâtre BDD 11-13 rue Pierre & Marie Curie, 75005 Paris
11:00	<b>BREAK (BDD Hall)</b>		
11:30 12:15	Andrew Moore	Think before you write: Properly representing your research to several readerships	
12:30	<b>LUNCH</b>		Green Cafe
<b>FAREWELL &amp; DEPARTURE</b>			