

4th course on Multiscale Integration in Biological Systems

November 4-10, 2020

	Wednesday, November 4	Thursday, November 5	Friday, November 6	WEEKEND BREAK	Monday, November 9	Tuesday, November 10	
	Statistical / Dynamical Systems Chairs: AM H. Isambert PM A. Walczak	Collective effects / Mechano biology Chairs: AM P. Martin PM P. Sens	Control in biology / Systems biology Chairs: AM P. Hersen PM M. Coppey		Machine learning / Image analysis Chairs: AM H. Isambert PM P. Silberzan	Evolution Chairs: AM A. Walczak PM P. Hersen	
9h00 10h30	Frank Jülicher Dresden, DE Presentation title	Guillaume Salbreux Crick Institute, UK Presentation title	Keynote Jeff Hasty UCSD, USA TBC		Chloée-Agathe Azencott Mines Institut Curie, FR Presentation title	Anne-Florence Bitbol EPFL, CH Inferring interaction partners and evolutionary constraints from protein sequences	COURSES (THEORY)
10h30 11h00	Coffee-break	Coffee-break	Coffee-break		Coffee-break	Coffee-break	
11h00 12h30	Wilson Poon Edinburgh, UK Towards a physics of death: understanding nature's "circulatory economy"	Kinneret Keren Technion, IS Physical aspects of Hydra Morphogenesis	Mustafa Khammash ETH Zürich, CH An Introduction to Control Theory and Cybergenetics		Christophe Zimmer Institut Pasteur Presentation title	Guy Bunin Technion, IS Calculating properties of diverse ecological communities	
12h30 14h00	Lunch	Lunch	Lunch		Lunch	Lunch	
14h00 15h00	Claude Loverdo Sorbonne University, FR Interactions of antibodies and bacteria in the digestive tract	Isabelle Bonnet Institut Curie, FR Presentation title	Peter Swain Edinburgh, UK "Less is more: controlling glucose transport in yeast"		Cédric Allier CEA, FR Presentation title	Gilles Charvin IGBMC, FR Stress homeostasis – Insights from single-cell analysis	SEMINARS (APPLICATIONS IN BIOLOGY)
15h00 15h30	Coffee-break	Coffee-break	Coffee-break		Coffee-break	Coffee-break	
15h30 16h30	Yannick Rondelez ESPCI, FR Bottom-up experimental models of cellular networks	Salima Rafai Grenoble University, FR Presentation title	Pascal Hersen Institut Curie, FR Presentation title		Olivier Colliot ICM, FR Presentation title	Yolanda Schaerli Lausanne University, CH Synthetic biology to understand gene regulatory networks and their evolution	
16h30 16h45	Break	Break	Break		Break		ATTENDEE PRESENTATIONS & POSTERS
16h45 17h15	Flash posters	Flash posters	Attendee presentations (15' each)		Attendee presentations (15' each)		
17h15 18h00	Attendee presentations (15' each)	Posters					
18h00 20h00							
20h00 22h00			Banquet Chez Marie				

Lectures: Amphie Curie / **Coffee Break:** Salle Joliot / **Lunch:** Green Café / **Posters:** Annexes 3 & 4 BDD. All conferences are open