

	Wednesday, November 8	Thursday, November 9	Friday, November 10	Wee kend	Monday, November 13	Tuesday November 14	
	Self-organization / Phase separation	Collective effects / Self- organization	Phase-separation / Mechanobiology / Organoids		Omics / Imaging / Machine learning	Evolution	
8:30-9:00	<b>Welcome &amp; Introduction</b>						
9h00 10h30	<b>Jonathon Howard</b> New Haven, USA Branching morphogenesis of neuronal dendrites	<b>Ray Goldstein</b> Cambridge, UK Physical aspects of evolutionary transitions to multicellularity	<b>Charlie Duclut</b> Paris, FR Hydraulic and electric control of cell spheroids		<b>Josh Waterfall</b> Paris, France Single cell approaches for cancer immunology	<b>Anne-Florence Bitbol</b> EPFL, CH Evolution in spatially structured populations	<b>COURSES (THEORY)</b>
10h30 11h00	<b>Coffee-break</b>	<b>Coffee-break</b>	<b>Coffee-break</b>		<b>Coffee-break</b>	<b>Coffee-break</b>	
11h00 12h30	<b>Edouard Hannezo</b> Vienna, AT Active matter models of collective cell migration	<b>Jan Bruges</b> Dresden, DE Physical principles of cytoplasmic organization by the microtubule cytoskeleton	<b>Stephan Grill</b> Dresden, DE Protein condensation on and co-condensation with DNA		<b>Barbara Bravi</b> Imperial College, UK Machine learning models for immune protein interactions	<b>Clément Nizak</b> Paris, FR Relating protein sequence to structure and function.	
12h30 14h00	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>		<b>Lunch</b>	<b>Lunch</b>	
14h00 15h00	<b>Charlotte Aumeir</b> Geneva, CH Phase separation of +TIP-networks regulates microtubule dynamics.	<b>Manuel Théry</b> Paris, FR Microtubules network self-patterning	<b>Stephan Grill</b> Dresden, DE Executing Hertwig's rule		<b>Jean Ollion</b> SABILab, FR Deep learning for bio-image analysis: cell tracking and self-supervised blind denoising	<b>Lydia Robert</b> Paris, FR Studying mutations at the single cell level	<b>SEMINARS (APPLICATIONS IN BIOLOGY)</b>
15h00 15h30	<b>Coffee-break</b>	<b>Coffee-break</b>	<b>Coffee-break</b>		<b>Coffee-break</b>	<b>Coffee-break</b>	
15h30 16h30	<b>Zoher Guéroui</b> Paris, FR Engineering phase separations in cells to manipulate biomolecular condensates	<b>Jens Elgeti</b> Jülich, DE Cellular tissues collective effects in self-replicating particles	<b>Alice Nicolas</b> Grenoble, FR Using mechanics to understand cell adhesion in biology		<b>Laura Cantini</b> Paris, FR TBA	<b>Marta Luksza</b> New York, USA From immune interactions to fitness models: predicting evolution of viruses and cancer	
16h30 16h45	<b>Break</b>	<b>Break</b>	<b>Break</b>		<b>Break</b>		<b>SHORT TALKS &amp; POSTERS</b>
16h45 17h15	Flash posters	Flash posters	Short talk (10' talk + 5' questions each)		Short talks (10' talk + 5' questions each)		
17h15 18h00	Short talks (10' talk + 5' questions each)	Posters (2 groups, 1h30 each; with snacks and drinks)	<b>Cocktail (starts at 18:30)</b> Cour Lhomond / Green café				
18h00 20h00							

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