

8:15 a.m.- 9 a.m.	Security check & registration
9 a.m.- 9:10 a.m.	Introduction
9:10 a.m. - 10:45 a.m.	Session 1
9:10 a.m.	<i>KEYNOTE CONFERENCE</i> Jean-François JOANNY (Collège de France) - Cell deformation and rheology of epithelial tissues
9:40 a.m.	<i>SHORT TALK</i> Joseph D'ALESSANDRO (Institut Jacques Monod) - From collective cell migration to local cell-cell interactions and back: symmetry matters.
10 a.m.	<i>SHORT TALK</i> Ricard ALERT (Max Planck Institute for the Physics of Complex Systems) - Stiffness-dependent tissue wetting enables optimal collective durotaxis
10:45 a.m. - 11:20 a.m.	Coffee Break
11:20 a.m. - 12:35 p.m.	Session 2
11:20 a.m.	<i>INVITED TALK</i> Zeynep ÖKTEN (TU München) - Evolutionary conserved lockpicks to switch on kinesin-2 motors
11:50 a.m.	<i>SHORT TALK</i> Valentine SEVEAU (LAI - AMU) - Keratocytes migrate against flow with a ropoly like mechanism
12:05 p.m.	<i>INVITED TALK</i> Gijsje KOENDERINK (TU Delft) - Building synthetic cells to understand cytoskeletal cell shape control
12:35 p.m. - 2 p.m.	Lunch break
2 p.m. - 3:30 p.m.	Session 3
2 p.m.	<i>INVITED TALK</i> Otger CAMPAS (TU Dresden) - Control of tissue morphogenesis and architecture through spatiotemporally controlled fluid-to-solid phase transitions
2:30 p.m.	<i>SHORT TALK</i> Sham TLILI (IBDM – AMU) - Understanding the coupling between cell differentiation and collective tissue flows during embryonic organoids morphogenesis
2:45 p.m.	<i>INVITED TALK</i> Alberto ELOSEGUI (Francis Crick Institute) - The extracellular matrix viscoelasticity as a regulator of tissue spatio-temporal organization
3 p.m.	<i>SHORT TALK</i> Wang XI (Institut Jacques Monod) - Ex vivo biomimetic intestinal model for developmental studies
3:30 p.m. - 4 p.m.	Coffee Break
4 p.m. - 5 p.m.	Session 4
4 p.m.	<i>INVITED TALK</i> Claire WYART (Paris Brain Institute - ICM) - Sensing curvature in the spinal cord: An axial sensory system informs development, posture and innate immunity
4:30 p.m.	<i>INVITED TALK</i> Ila FIETE (MIT)
5 p.m. - 7 p.m.	Poster Session with beers
7 p.m. - 7:30 p.m.	Break in the garden
7:30 p.m.	Cocktail & Dinner

September 28

9 a.m. - 10:30 a.m.	Session 5
9 a.m.	<i>INVITED TALK</i> Colomban DE VARGAS (Station biologique de Roscoff)
9:30 a.m.	<i>SHORT TALK</i> Daria BONAZZI (Institut Pasteur) - <i>Mechanobiology of meningococcal infection</i>
9:45 a.m.	<i>INVITED TALK</i> Chase BROEDERSZ (LMU & VU) - <i>Learning the Dynamics and Interactions of Confined Cell Migration</i>
10:15 a.m.	<i>SHORT TALK</i> Frederic CATALÀ-CASTRO (ICFO, Spain) - <i>Actin buffers nuclear stress and maintains nuclear positioning during mechanotransduction</i>
10:30 a.m. - 11 a.m.	Coffee Break
11 a.m. - 12:30 p.m.	Session 6
11 a.m.	<i>INVITED TALK</i> Natalie DYE (TU Dresden) - <i>Getting into shape: new insights into morphological patterning from the Drosophila wing</i>
11:30 a.m.	<i>SHORT TALK</i> Simon HADJAJE (IUSTI, IBDM, AMU) - <i>Mechanical description of Drosophila melanogaster wing expansion</i>
11:45 a.m.	<i>SHORT TALK</i> Stephanie HÖHN (University of Cambridge) - <i>Cutting through the curvature – Residual stresses in folding tissues</i>
12 p.m.	<i>INVITED TALK</i> Amy SHYER (Rockefeller University) - <i>Emergent supracellular regulation during tissue symmetry breaking</i>
12:30 p.m. - 2:30 p.m.	Lunch and Poster Session
2:30 p.m. - 4:00 p.m.	Session 7
2:30 p.m.	<i>INVITED TALK</i> Alexander AULEHLA (EMBL)
3 p.m.	<i>SHORT TALK</i> Diana PINHEIRO (IMP Austria) - <i>A morphogen gradient orchestrates pattern-preserving morphogenesis via motility-driven (un)jamming</i>
3:15 p.m.	<i>INVITED TALK</i> Paul VILLOUTREIX (LIS, AMU) - <i>Inference and machine learning methods to bridge morphogenesis with gene expression patterns in developmental biology</i>
3:30 p.m.	<i>SHORT TALK</i> Tom WYATT (University of Cambridge) - <i>Patterning from the bottom up: hESC patterning via spatially controlled stimulation from the basal side</i>
4 p.m. - 4:30 p.m.	Coffee Break
4:30 p.m. - 5:30 p.m.	Session 8
4:30 p.m.	<i>SHORT TALK</i> Yiteng DANG (MPI-PKS, MPI-CBG & CSBD) - <i>Surfing on a stiffness gradient in skull morphogenesis.</i>
4:45 p.m.	<i>SHORT TALK</i> Giulio FACCHINI (Université libre de Bruxelles) - <i>Substrate evaporation drives early collective construction in termites</i>
5 p.m.	<i>INVITED TALK</i> Sophie BRASSELET (Institut Fresnel) - <i>Imaging nanoscale actin organization in cells using polarized super resolution imaging</i>
5 p.m. - 5:30 p.m.	Closing remarks