



CHAIRE DYNAMIQUES DU VIVANT

Année académique 2017-2018

Thomas LECUIT
Professeur

Colloque : Cell and Tissue Mechanics Mécanique cellulaire et tissulaire

Mardi 10 avril 2018 de 9h à 17h30, amphithéâtre Maurice Halbwachs

- 9h **Gijsje KOENDERINK** (Amolf, Amsterdam)
Cell and extracellular matrix mechanics across scales: from molecules to supramolecular networks
- 9h30 **Alexander BERSHADSKY** (MBI Singapore)
Self-organization of actin networks and cell morphogenesis
- 10h **Carl-Philip HEISENBERG** (IST, Vienna)
Ooplasmic segregation in zebrafish
- 10h30 Pause
- 11h **Alpha YAP** (Brisbane)
Listening to forces: how mechanosensing makes cells into tissue
- 11h30 **Xavier TREPAT** (IBEC, Barcelona)
Mechanics of cell migration, division and folding in epithelial sheets
- 12h **Sally HORNE-BADOVINAC** (Univ. Chicago)
Going in circles gets you somewhere - signaling mechanisms controlling collective cell migration

- 12h30 Déjeuner
- 14h **Yohanns BELLAÏCHE** (Curie, Paris)
Mitosis and morphogenesis
- 14h30 **Kinneret KEREN** (Technion)
Mechanical Aspects of Hydra Morphogenesis
- 15h **Pierre-François LENNE** (IBDM, Marseille)
Shaping cell contacts during tissue morphogenesis
- 15h30 Pause
- 16h **Bénédicte SANSON** (Cambridge)
Actomyosin supracellular cables and orientation of cell division in vivo
- 16h30 **Frank JÜLICHER** (MPI PKS Dresden)
Shaping a fly wing
- 17h **Amy SHYER** (Berkeley)
Cellular Self-Organization Initiates Skin Form and Fate