

Cell Mechanotransduction and Microbial Invasion Symposium

Auditorium Building 21, I2BC

November Monday 4, 2024

8H45-9H00 : Introduction

Morning session « Cell Mechanotransduction »



9H00-9H30 : **Christophe Leclainche, I2BC, Gif-sur-Yvette.**

- Understanding mechanotransduction through in vitro reconstitution of actomyosin-dependent protein machineries

9H30-10H00 : **Benoit Ladoux, MPZPM, Erlangen, Germany.**

- Mechanical imprints of cell extrusion from epithelial tissues.

10H00-10H30 : **Patricia Bassereau, Institut Curie, Paris.**

- Cell spreading on fluid membranes requires strong integrin ligands and microtubules

10H30-10H50 : **Coffee break**

10H50-11H20: **Gregory Giannone, Université de Bordeaux.**

- Unraveling the nanoscale spatial and mechanical regulation of actin binding proteins.

11H20-12H00 : Keynote lecture - **Michael Sheetz, UTMB, Texas, USA.**

- Mechanical Oscillations Kill Cancer Cells and Reverse Aging

12H00-14H00 : LUNCH with speakers

Afternoon session « Microbial Invasion »

14H00-14H30 : **Sven Hammerschmidt, Greifswald university, Germany**

- TBA

14H30-15H00 : **Sandrine Bourdoulous, Institut Cochin, Paris.**

- Angptl4 prevents endothelial dysfunction during bacterial sepsis

15H00-15H40 : Keynote lecture - **Linda Kenney, UTMB, Texas, USA.**

- Imaging Salmonella Lifestyles: From Virulence to Biofilms to Tumors

15H40-16H00 : **Coffee break**

16H00-16H30 : **Jost Enninga, Institut Pasteur, Paris.**

- Endomembrane breakage by enteroinvasive bacterial pathogens- new insights by in cellulo structural biology

16H30-17H00 : **Marc Prudhomme, Université Paul Sabatier, Toulouse**

- Bacterial communication and antibiotic tolerance in Pneumooccus

17H00-17H30 : **Guy Tran Van Nhieu, I2BC, Gif-sur-Yvette.**

- Characterization of pneumococcal secreted factors associated with bacterial meningitis

Organizers: Christophe Le Clainche & Guy Tran Van Nhieu

