

Cell Membranes and Cytoskeleton mini-Symposium

Wednesday October 22nd 2025, 13h30-18h30

Organized by the the “Cell membranes and Cytoskeleton” axis of BIOLuM (IRIM, CRBM, IGMM, CEMIPAI)

Coordinators : Cyril Favard, Laura Picas, Stéphane Bodin

Amphitheater DR13 CNRS, 1919 Route de Mende, Montpellier

13:00-13:30 : **Welcome to participants**

13:30-13:45 : **Introductory speech to the symposium**

Session 1 : Membranes, traffic and lipid transport

Chaired by Maika Deffieu and Jana Dhayni

13:45-14:30 : **Guest speaker : Francesca Giordano** (Institute for Integrative Biology of the Cell, CNRS, Univ. Paris Saclay) - **Three's company: mitochondria–endoplasmic reticulum–lipid droplet contact sites.**

14:30-14:45 : **Janélie Bacle** (Moriel-Carretero lab, CRBM). *Impact of the nuclear envelope structure and lipid composition on the genome stability.*

14:45-15:00 : **Lauriane Grondin** (Picas lab, IRIM, HF Renard lab, Univ Leuven). *Deciphering the molecular mechanism of endophilin-A3-mediated cellular entry of Chikungunya virus*

15:00-15:15 : **Guilhem Cantaloube** (Espert/Blaise lab, IRIM). *Characterization of the role of LC3B in HIV-1 transmission through the Virological Synapse*

15:15-15:30 : **Layal Rajeh** (Blangy/Gauthier-Rouvière lab, CRBM). *How do flotillins influence the endolysosomal function to promote cancer cell invasion?*

15:30-15h45 : **Manon Le Fé** (Bonazzi lab, IRIM). *Coxiella burnetii effector Vice manipulates host ESCRT machinery and exosome cargo*

15:45-16:15. Coffee Break

Session 2 : Cytoskeleton, mechanics and dynamics

Chaired by Layal Rajeh and Guilhem Cantaloube

16:15-17:00 : **Guest speaker: Laetitia Kurzawa (CEA-CNRS, CytoMorpholab, Grenoble).**
Interplay between actin cytoskeleton self-organization, cell mechanics and function

17:00-17:15 : **Ria Messaritaki** (Piatti lab, CRBM). *A putative role for endocytosis in septin remodelling in budding yeast.*

17:15-17:30 : **Morgane Rodriguez** (Delaval lab, CRBM). *Regulation of the kinesin Mklp2 by Intraflagellar Transport proteins using an in vitro reconstituted system*

17:30-17:45 : **Jana Dhayni** (Blangy/Gauthier-Rouvière lab, CRBM). *Subcellular mRNA localization and local translation in osteoclast actin ring.*

17:45-18:00 : **Maika Deffieu**. (Gaudin lab, IRIM). *Real-time imaging of Hepatitis B Virus reveals an early entry mechanism mediated by filopodia*

18:00-18:15 : **Claire Lacouture** (Muriaux/Favard lab, IRIM). *Actin regulators role in HIV-1 assembly in primary T cells.*

18:15-18:30. Remarks and conclusions

Acknowledgements

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The CMC axis is grateful to Francesca Giordano and Laëtitia Kurzawa for agreeing to participate in this symposium, as well as to all the doctoral students and researchers who submitted an abstract in order to share their work with the students of the Master in Biology and Health and with all the members of the CMC axis.

Many Thanks to Janélie Bacle for her artistic and autumnal vision of “cell membranes and cytoskeleton” that greatly contributed to the poster of the event