

# The 26<sup>th</sup> annual meeting of the Club Exocytose-Endocytose

## Sète, April 4-6<sup>th</sup>, 2024

### Thursday, April 4<sup>th</sup>

11:30-12:30: **Welcome and registration**

12:30-14:00: **Lunch**

14:30-14:40: Opening remarks and introduction by *Delphine Muriaux*

14:40: **Session 1 Endocytosis** *Chaired by Claire Desnos and Christophe Lamaze*

14:40-15:00 **Maxime Jansen**, *University of Montpellier*  
Mechanism of Syk activation during FcγR phagocytosis.

15:00-15:20 **Laura Picas**, *University of Montpellier*  
Structural organization and dynamics of the endocytic protein FCHo2 on membranes.

15:20-15:40 **Henri-François Renard**, *University of Namur*  
Role of unconventional endocytosis and retrograde transport in the modulation of cancer cell immunogenicity.

15:40-16:00 **Frederic Boal**, *University of Toulouse*  
The lipid kinase PIKfyve regulates TGF-β receptor trafficking through phosphoinositide dynamics.

16:00-16:30: **Coffee break**

16:30-17:10: **Keynote Lecture: Frances Brodsky** (University College London).  
Specialization of clathrin-mediated membrane traffic to regulate glucose metabolism.  
*Introduced by Cédric Blouin*

17:10: **Session 2 Membrane Contacts Sites, Organelles**  
*Chaired by G  lle Boncompain and Fabien Alpy*

17:10-17:30 **Guillaume van Niel**, *IPNP/University of Nantes*  
Development of an optogenetic tool to modulate exosome secretion through inducible membrane contact sites.

17:30-17:50 **Julie Eichler**, *University of Strasbourg*  
Phosphorylation regulates Membrane Contact Sites mediated by the protein STARD3.

17:50-18:10 **Satish Babu Moparthi**, *Institut Pasteur*  
LC3B and ATG16L1 proteins interaction in Autophagy – Beyond all expectations.

18:10-18:30 **Chandini Bhaskar Naidu**, *Institut Curie*  
Mechanotransduction at the Golgi apparatus.

18:30-18:45 Sponsor presentation **FBI & GDR ImaBio**

18:45-19:45 **Wine tasting**

19:45-21:00 **Dinner**

21:00-23:00 **Poster session I** (Odd numbers)

### Friday, April 5<sup>th</sup>.

8:50-9:30 **Keynote Lecture: Esther Nolte-t Hoen** (Utrecht University)  
Viral and Host Mechanisms Driving the Release of EV-Enclosed Picornaviruses.  
*Introduced by Pascale Zimmermann*

9:30: **Session 3 Extracellular vesicles and Exocytosis**  
*Chaired by Pascale Zimmermann and Raphaël Gaudin.*

9:30-9:50 **James Edgar**, *University of Cambridge*  
Tethered exosomes in disease.

9:50-10:10 **Laura Salavessa**, *Institut Curie/Institut Necker Enfants Malades*  
From recognition to uptake: unveiling a key-lock system that drives the capture of biological particles.

10:10-10:30 **Kuang-Jing Huang**, *University of Strasbourg*  
EHD4 cooperates with Ral GTPase to drive multi-vesicular body maturation and extracellular vesicle secretion.

10:30-10:50 **Mireia Gomez Duro**, *Institut Curie*  
Unravelling the role of CD133 in breast cancer-Extracellular Vesicles in invasion and metastasis.

10:50-11:20: **Coffee break**

11:20: **Session 4 Pathogens** *Chaired by Delphine Muriaux and Bruno Beaumelle*

11:20-11:30 Sponsor presentation by **Abbelight**

11:30-12:00 **Mary Arnaud-Arnould**, *University of Montpellier*  
SNX-BAR proteins 5 and 6 are required for NCOA7-AS antiviral activity against influenza A virus.

12:00-12:20 **Carla Alemany**, *University of Montpellier*  
Influenza A virus infection remodels the endoplasmic reticulum membranes and alters the lipid homeostasis.

12:20-12:40 **Camille Keck**, *Institut Pasteur*  
Visualizing intracellular niche transitions of Mycobacterium tuberculosis during macrophage infection combining dynamic fluorescence imaging and EM.

12:40-13:00 **Clara Douadi**, *Sorbonne University*  
Bacteriophage translocation across the intestinal barrier in Crohn's disease.

13:00-14:00 **Lunch**

14:00-16:30 *Free time by the Mediterranean Sea or visit of Sète*

16:30: **Keynote Lecture: Ishier Raote** (Institut Jacques Monod)  
TANGO1 builds a secretory route for collagen.  
*Introduced by Jean-Marc Verbavatz*

17:10 **Session 5 Intracellular traffic** *Chaired by Stéphanie Lebreton and Nicolas Vitale*

17:10-17:30 **Parisa Khalilian**, *Institut Pasteur*  
Intracellular trafficking of membrane proteins during establishment and loss of epithelial polarity.

17:30-17:50 **Octave Joliot**, *Institut Curie*  
GPI-AP partitioning into gel-like domains upon PA treatment.

17:50-18:10 **Juliane Selot**, *Sorbonne University*  
KIF20A-mediated endosomal fission: molecular mechanism and impact in cancer progression.

18:10-18:30 **Arthur Lensen**, *Institut Pasteur*  
Endomembrane reshaping by Shigella effectors controls the successive steps for bacterial intracellular niche formation.

18:30-20:30 **Poster Session II** (Even numbers)

20:30 **Gala Dinner**  
**+ Concert of the Membrane Band !**

**Saturday, April 6th.**

9:00-10:30: **General assembly of the Club Exocytose-Endocytose** with coffee!

10:30: **Session 6 Membranes and Cytoskeleton** Chaired by *Cecile Gauthier-Rouvière and Ludger Johannes*

10:30-10:50 *Thesis Prize Lecture*: **Rayane Dibs**, *University of Montpellier*  
HIV-1 diverts cortical actin for particle assembly and budding.

10:50-11:10 **Stéphane Frémont**, *Institut Pasteur*  
Cortical actin disassembly by the oxidoreductase MICAL1 promotes HIV-1 assembly and budding.

11:10-11:30: **Vibha Singh**, *Institut Curie*  
Mechanocontrol of RhoA dynamics by Caveolae is required for directional migration.

11:30-12:00 **Alexander Wolf**, *University of Strasbourg*  
Illuminating neurosecretion: Optogenetic insights into phosphatidic acid signaling in membrane trafficking.

12:00-12:30: **Best presentation prizes and closing remarks**

12:30: **Lunch** or departure