

19th annual meeting Club Exocytose Endocytose

Club Vacancier Carry Le Rouet, 26-28 May 2016

Scientific Program

Thursday, May 26th

12h00--12h30:: **Arrival and registration**

12h30--14h00:: *Lunch*

14h20:: **Welcome by the organisers**

14h30--15h15: **Invited Speaker**

Tamás Balla, NICHD, Bethesda

New revelations about the role of PI4Ks in organizing membrane lipid composition

15h15--16h35: **Session 1**

Exosomes

Chair: Chiara Zurzolo

15h15 15h30 : **Mehdi Kabani** (NeuroPSI, Gif-sur-Yvette, France)
Potential roles for extracellular vesicles in the vertical and horizontal transmission of yeast prions

15h30 15h45 : **Thomas Juan** (iBV, Nice, France)
ESCRT proteins are essential for the function of the Zebrafish Left/Right organizer

15h45 16h00 : **Stéphane Bodin** (CRBM, Montpellier, France)
Overexpressed flotillins deregulate the vesicular trafficking to promote metastatic behaviour

16h00 16h15 : **Ann Wehman** (Universität de Würzburg, Allemagne)
PAD-1 activates TAT-5 to prevent extracellular vesicle release in *C. elegans* embryos

16h15 16h30 : **Naga Sailaja Imjeti** (CRCM, Marseille, France)
Syntenin exosomes mediate SRC function in cell-cell communication

16h30--17h00: *Coffee break*

17h00--18h00: **Session 2**

Exocytosis I

Chair: Nicola Vitale

17h00 17h15 : **Lou Fourrière** (Institut Curie, Paris, France)
Force-dependent directed secretion

17h15 17h30 : **Isabelle Munoz** (Institut Imagine, Paris, France)
Kinesin-1 controls mast cell degranulation through PI3K-dependent recruitment to the granular Slp3/Rab27b effector complex

17h30 17h45 : **Ophélie Carmon** (iRiB, Université de Rouen, France)
Identification of the lipid partners of Chromogranin A involved in dense core-secretory granule budding from the TGN

17h45 18h00 : **Stéphane Gasman** (INCI, Strasbourg, France)
Molecular connection between calcium-regulated exocytosis and compensatory endocytosis in neuroendocrine cells

18h00 – 19h15 : Session 3

Endocytosis

Chair: Florence Niedergang

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- 18h00 – 18h15 : **Laetitia Bertot** (Institut Pasteur, Paris, France)
The role of endophilins in clathrin-independent endocytosis
- 18h15 – 18h30 : **Weiwei Shen** (Institut Curie, Paris, France)
Loss of EHD2 impairs caveolae-dependent mechanotransduction and promotes invasion of breast cancer cells
- 18h30 – 18h45 : **Melissa Dewulf** (Institut Curie, Paris, France)
Functional analysis of caveolin-3 mutations in muscular dystrophies
- 18h45 – 19h00 : **Erika Bourseau-Guillemain** (Lund University, Sweden)
Hypoxia regulates global membrane protein endocytosis through caveolin-1 in cancer cells
- 19h00 – 19h15 : **David Perrais** (IINS, Bordeaux, France)
Functional recruitment of dynamin requires multimeric interactions with SH3 domain containing proteins for efficient endocytosis

19h30 – 21h00 : Dinner



21h00 – 22h30 : Poster session I *Salle Largado*

Friday, May 27th



9h15 – 10h00 : Invited Speaker

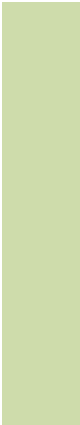
Mattias Belting, Lund University

Vesicular communication in cancer

10h00 – 12h00 : Session 4

Membrane remodelling

Chair: Christophe Lamaze

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- 10h00 – 10h15 : **Antonio Egea-Jimenez** (CRCM, Marseille, France)
High-affinity coincident detection of Frizzled 7 and PIP2 by the PDZ2 domain of syntenin supports Frizzled 7-syntenin trafficking and signaling
- 10h15 – 10h30 : **Delphine Muriaux** (CPBS, Montpellier, France)
The retroviral Gag protein interacts with and redistributes intracellular PI(4,5)P2 phosphoinositides at the cell plasma membrane of adherent and T cells
- 10h30 – 10h45 : **Camilla De Barros Santos** (Institut Curie, Paris, France)
Role of organelle alterations in bladder cancer progression
- 10h45 – 11h00 : **Arthur Charles-Orszag** (Institut Pasteur, Paris, France)
Neisseria meningitidis type IV pili act as extracellular scaffolds for plasma membrane remodeling

11h00 – 11h30 : Coffee break

- 11h30 11h45 : **Stéphane Frémont** (Institut Pasteur, Paris, France)
Localized F-actin depolymerization by the redox enzyme MICAL1 is essential for successful cytokinesis abscission
- 11h30 11h45 : **Anne Burtey** (Bergen University, Norway)
Intercellular trafficking of transferrin-receptor by a Rab8-, contact- dependent mechanism involving tunneling nanotubes
- 11h45 12h00 : **Pascal Therond** (iBV, Nice, France)
Rab8 regulates the short-, and long-range activity of Hedgehog extra-cellular gradient

12h15 – 13h30: Lunch

13h30 – 15h30: Free time

15h30 – 16h15: Invited Speaker

Matthias Kneussel, ZMNH Mambourg

Synaptic Transport and Trafficking underlying Plasticity, Learning and Memory

16h15 – 18h25: Session 5

Organelles dynamic I

Chair: Delphine Muriaux

- 16h15 16h35 : **Guillaume Van Niel** (Institut Curie, Paris, France)
The PIKfyve complex regulates amyloid formation within melanosomes through regulation of lysosomal kiss and run cycles
- 16h35 16h50 : **Léa Ripoll** (Institut Curie, Paris, France)
Myosin VI and actin polymerization control fission events required for maturation and secretion of a lysosome-related organelle
- 16h50 17h05 : **Anahi Capmany** (Institut Curie, Paris, France)
Role of MYO1C in Golgi apparatus morphology and function

17h05 – 17h35: Coffee break Group photo

- 17h35 17h55 : **Jérôme Bouchet** (Institut Pasteur, Paris, France)
Endosomal Recycling Compartment is a regulatory hub orchestrating vesicle traffic, actin remodeling and T-cell activation
- 17h55 18h10 : **Stéphane ORY** (INCI, Strasbourg, France)
The atypical Rho GTPase RhoU interacts with Intersectins to regulate endosomal recycling pathways
- 18h10 18h25 : **Cédric Delevoye** (Institut Curie, Paris, France)
Routing of the RAB6 secretory pathway towards lysosome related organelles during melanogenesis

18h25 – 20h00: Poster session II *Salle Largado*

20h00 – 21h30: Gala Dinner

21h30 – 02h00: Dancing party
Salle Bord-de-Mer

Saturday, May 28th

**9h30 - 10h45 : Assemblée générale annuelle
Club Exocytose-Endocytose**

10h45 - 11h30 : Session 6

Organelle dynamic II

Chair: David Perrais

10h45 - 11h00 : **Magalie Martineau** (IINS, Bordeaux, France)
VGLUT1 Functions as a Glutamate/Proton Exchanger With a Chloride Channel Activity at Hippocampal Glutamatergic Terminals

11h00 - 11h15 : **Raphael Gaudin** (Université de Strasbourg, France) Identification and characterization of a novel broad spectrum virus entry inhibitor

11h15 - 11h30 : **Jamil Jubrail** (Institut Cochin, Paris, France)
Characterisation of defective phagocytosis by chronic obstructive pulmonary disease alveolar macrophages

11h30 - 11h45 : Coffee break

11h45 - 12h00 : **Anne BreLOT** (Institut Pasteur, Paris, France)
CCR5 dimerization and export

12h00 - 12h15 : **Sandra Lecat** (IREBS, Illkirch, France)
A Fluorescent Live Imaging Screening Assay Based on Translocation Criteria Identifies Novel Cytoplasmic Proteins Implicated in G Protein-coupled Receptor Signaling Pathways

12h15 - 12h45 : Poster and talk prizes

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13h00 - 14h00 : Lunch and departure