

MASTER SCIENCES ET TECHNOLOGIE - Mention : BIOLOGIE SANTE
Année 2021-2022
« SIGNALISATION : Methods and Concepts » (UMBS TC2- HAV923V)
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Version du 21/07/2021

LUNDI 6 Septembre 2021 – Campus Triolet Salle de cours SC36-06

- 13:15-14:45 **How to study the roles of lipid second messengers in cell signaling, cellular trafficking and cytoskeleton dynamic**
Stéphane BODIN (CRBM, CNRS-UMR5237)
- 15:00-16:30 **Mechanisms of plasma membrane mechanotransduction?**
Laura PICAS (IRIM)

JEUDI 9 Septembre 2021 – Campus Triolet Salle de cours SC36-06

- 8:00-9:30 **Drug discovery processes to target G protein-coupled receptors**
Laurent Prézeau (Plateforme Technologique ARPEGE-« Pharmacology-Screening-Interactome »)
- 9:45-11:15 **The study of signaling in tissues in vivo with the model organism *Drosophila melanogaster***
Marie-Laure PARMENTIER (IGF CNRS-UMR5203 INSERM- U1191)

LUNDI 13 Septembre 2021 - Campus Triolet Salle de cours SC36-09

- 13:15-14:45 **G protein coupled receptor from trafficking to signaling**
Magalie RAVIER (IGF, CNRS-UMR5237)
- 15:00-16:30 **Structure, conformational dynamics & transmembrane signalisation**
Jean-Philippe PIN (IGF, CNRS UMR5203, INSERM U1191)

JEUDI 16 Septembre 2021 - Campus Triolet Salle de cours SC36-05

- 8:00-9:30 **Ephrin and tissue organization**
François FAGOTTO (CRBM, CNRS-UMR5237)
- 9:45-11:15 **Impact of the spatial range of cell communication events on the reproducibility of ascidian embryonic development**
Patrick LEMAIRE (CRBM, CNRS-UMR5237)

LUNDI 20 Septembre 2021 - Campus Triolet Salle de cours SC36-07

- 13:15-14:45 **From cell to organ: zebrafish a powerful vertebrate model organism**
Bénédicte DELAVAL (CRBM, CNRS-UMR5237)
- 15:00-16:30 **Synaptic communication: electrophysiological and optogenetic approaches**
François RASSENDREN (IGF CNRS-UMR5203 INSERM- U1191)

JEUDI 23 Septembre 2021 - Campus Triolet Salle de cours SC36-07

- 8:00-9:30 **Intercellular communication via tunneling nanotubes**
Marie-Luce VIGNAIS (IRMB, INSERM U1183)
- 9:45-11:15 **MAPK Cascades: key players in the intracellular signaling game**
Bob HIPSKIND (IGMM, CNRS UMR5535)
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LUNDI 27 Septembre 2021 - Campus Triolet Salle de cours SC36-07

13:15-16:30 **From proteomics to signalosome**
Carine BECAMEL (IGF, CNRS UMR5203, INSERM U1191)

JEUDI 30 Septembre 2021 - Campus Triolet Salle de cours SC36-07

8:00-9:30 **The Protein Quality Control system in health and diseases.**
Dimitris XIRODIMAS (CRBM, CNRS-UMR5237)

9:45-11:15 **Targeting ubiquitin proteasome system and ubiquitin-like modifiers**
Irina LASSOT (IGMM, CNRS UMR5535)

LUNDI 4 Octobre 2021 - Campus Triolet Salle de cours SC36-07

13:15-14:45 **cadherin-mediated adhesion: study of cadherin complexe assembly by cell biology and imaging techniques.**
Cécile GAUTHIER-ROUVIÈRE (CRBM, CNRS-UMR5237)

15:00-16:30 **The concept of subcellular signaling domains**
Fabrice ANGO (IGF CNRS-UMR5203 INSERM- U1191)

JEUDI 7 Octobre 2021 - Campus Triolet Salle de cours SC36-07

8:00-9:30 **Regulation and fonction of Rho GTPase**
Anne DEBANT (CRBM, CNRS-UMR5237)

9:45-11:15 **Phosphorylation and dephosphorylation: a molecular switching mechanism.**
Thierry LORCA (CRBM, CNRS-UMR5237)