

# Membrane proteins in reconstituted systems: from the latest advances in fundamental research to therapeutic applications



**REGISTRATION DEADLINE: February 18, 2022**

**ORGANIZERS:** Jean-Michel JAULT (Microbiologie Moléculaire et Biochimie Structurale, UMR5086 CNRS/Université de Lyon, Lyon), Martin PICARD (CNRS UMR7099, Institut de Biologie Physico-Chimique, Paris), Olivier LAMBERT (Chimie et Biologie des Membranes et Nano-objets, UMR5248 CNRS/Université de Bordeaux, Pessac)

**AIMS:** This workshop will present the major technological advances for structure-function study of membrane proteins. Experts will describe state-of-the-art approaches to characterize these proteins in lipid environments both at the molecular level and in biological contexts.



## PHASE I – CRITICAL ASSESSMENT

March 30 - April 1, 2022 in Bordeaux

### METHODOLOGICAL DEVELOPMENTS FOR THE HETEROLOGOUS EXPRESSION OF PROTEINS

Chris TATE (MRC, GBR), Bruno MIROUX (IBPC, FRA), Isabelle MUS-VETEAU (IPMC, FRA), Andreas PLÜCKTHUN (ETH Zurich, CHE)

### MEMBRANE MIMICKING SYSTEMS

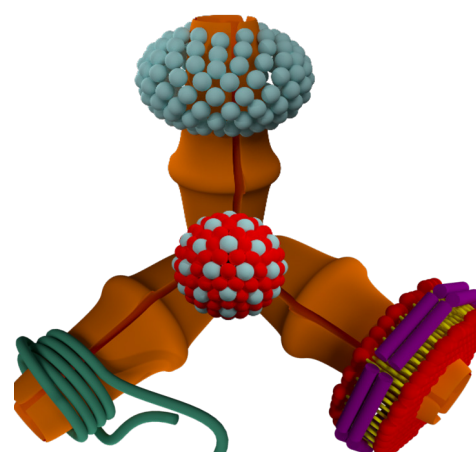
Cécile BREYTON (IBS, FRA), Manuela ZONEN (IBPC, FRA), Pilar LLORIS-GARCERA (Salipro Biotech, SWE), Alice ROTHNIE (Aston University, GBR), Paulo TELLES DE SOUZA (IBCP, FRA)

### MEMBRANE PROTEIN STUDY AND LIPID INTERPLAY

Cedric GOVAERTS (Université Libre de Bruxelles, BEL), Isabel ALVES (CBMN, FRA), Chloé MARTENS (Université Libre de Bruxelles, BEL), Laurent CATOIRE (IBPC, FRA)

### MEMBRANE PROTEINS IN PATHOLOGY AND OTHER STRATEGIES

Robert TAMPÉ (Goethe University, DEU), Jean-Michel BOLLA (Faculté de Pharmacie Marseille, FRA), Markus SEEGER (University of Zurich, CHE), Hugues NURY (IBS, FRA), Pierre PAOLETTI (IBENS, FRA)



## PHASE II – TECHNICAL WORKSHOP

Date released later - IBPC, Paris

Date released later - MMSB, Lyon

Date released later - CBMN, Bordeaux

Hands-on experiments to apply main aspects developed during Phase I of the workshop. Three different training are proposed: Reconstitution into proteoliposomes (IBPC, Paris); Reconstitution into nanodiscs and functional assay (MMSB, Lyon); Reconstitution into nanodiscs or amphipols and negative stain electron microscopy (CBMN, Bordeaux).

**SELECTION:** 5 trainees will be selected for each city among Phase I participants.

Information and registration  
ateliers@inserm.fr  
<https://tinyurl.com/k7pwr6e>