Morning Session

10h - 10h45 (40’ + 5’ questions)
Ben Luisi (Department of Biochemistry, University of Cambridge)
“Structure and function of the MacAB-TolC tripartite efflux pump”

10h45 - 11h05 (15’ + 5’ questions)
Khadija Mathieu (Molecular Microbiology and Structural Biochemistry, I2BC, Lyon)
'Shifting energy taste in a multidrug ABC transporter'

11h05 - 11h25 (15’ + 5’ questions)
François André (Laboratoire Stress Oxydant et Détoxication I2BC, Gif-sur-Yvette)
"In silico analysis of anthelmintics binding to Caenorhabditis elegans P-glycoprotein"

11h25 - 12h10 (40’ + 5’ questions)
Marc Boutry (Université Catholique de Louvain Louvain-la-Neuve, Belgium)
“Attracting pollinators or repelling pathogens, as simple as ABC”

12h10 - 12h30 (15’ + 5’ questions)
Alexis Moreno (Laboratoire Résistance aux médicaments et protéines membranaires UMR 5086 CNRS, I2BC, Lyon)
“3D models of Cdr1p and Mdr1p multidrug efflux proteins: a step forward into a new era of antifungal efflux mechanism understanding and inhibitor design”

12h30 - 12h50 (15’ + 5’ questions)
Estefanía Barreto Ojeda (University of Calgary, Canada)
“Lipid-Uptake Pathways and Lipid-Protein interactions in P-glycoprotein Revealed by Coarse-Grained Molecular Dynamics Simulations “

Afternoon Session

14h00 - 14h45 (40’ + 5’ questions)
Muriel Masi (Aix Marseille Université)
“Quantification of antibiotic influx and efflux across the envelope of Gram-negative bacteria”

14h45 - 15h05 (15’ + 5’ questions)
Olivier Lambert (CBMN, CNRS, Université de Bordeaux)
“Assembly of MexAB-OprM multidrug efflux system involved in antibiotic resistance”

15h05 - 15h25 (15’ + 5’ questions)
Erika Boulant (Aix Marseille Université)
« Efflux pumps as tools to increase added values compound tolerance in bacteria »

15h25 - 15h40 Coffee break

15h40 - 16h25 (40’ + 5’ questions)
Nicholas Reyes (Department of Structural Biology and Chemistry Institut Pasteur Paris)
“Allosteric inhibition and dynamics of excitatory neurotransmitter transporters”

16h25 - 16h45 (15’ + 5’ questions)
Thibaud Dieudonné (Laboratory of Membrane Proteins and Membrane Systems, I2BC)
"Toward Functional Characterization of a Human Phospholipid Transporter Involved in Progressive Familial Intrahepatic Cholestasis 1 (PFIC1)"

16h45 -17h00 : concluding remarks