

## Program of the 'ABC of transporters 2017'

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### 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, IBCP, 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, IBCP, 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)

**Estefania 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 Diudonné (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