

Program of the 'ABC of transporters' (04/11/2016)

Morning Session

9h - 9h50 (40' + 10' question)

Olivier Vanakker (Center for Medical Genetics, Ghent University Hospital).

Tale of an enigmatic octopus: the ABCC6 transporter.

9h50 - 10h10 (15' + 5' question)

Géraldine Sana (Laboratory of Molecular Cancer Biology, University of Namur).

Exome Sequencing of ABCB5 identifies recurrent melanoma mutations that results in increased cell proliferative capacity.

10h10 - 10h30 (15' + 5' question)

Alix Bruneau (UMRS 938 CDR Saint Antoine, Paris).

Functional Defect of Variants in the ATP-binding Sites of ABCB4 and their Rescue by the CFTR Potentiator, Ivacaftor (VX-770).

10h30 - 10h45 Coffee break

10h45 - 11h35 (40' + 10' question)

Cédric Govaerts (Université Libre de Bruxelles)

How protons and lipids regulate the structure and dynamics of secondary multidrug transporters.

11h35 - 11h55 (15' + 5' question)

Sanne Schrevels (University of Leuven).

The high affinity methionine permease, Mup1, is required for morphogenesis, biofilm formation and virulence in Candida albicans.

11h55 - 12h15 (15' + 5' question)

Anida Hasanovic (IPMC, Université Sophia Antipolis).

INHIBITION OF THE DRUG EFFLUX ACTIVITY OF PATCHED ENHANCES CHEMOTHERAPY EFFICIENCY IN VITRO AND IN VIVO.

12h15 - 13h30 lunch

Afternoon Session

13h30 - 14h20 (40' + 10' question)

Chérine Bechara (DIMNP UMR 5235 - CNRS, University of Montpellier).

A SUBSET OF ANNULAR LIPIDS IS LINKED TO THE FLIPPASE ACTIVITY OF AN ABC TRANSPORTER

14h20 - 14h40 (15' + 5' question)

Quentin Raas (Laboratoire BioPeroXIL, Université de Bourgogne, Dijon).

CRISPR/Cas9 induced ABCD1 and/or ABCD2 gene knockout in microglial cells; towards a better understanding of X-ALD physiopathogenesis.

14h40 - 15h00 (15' + 5' question)

Nathalie Guragossian (IBCP, Lyon).

Synthesis and characterization of dimeric indeno[1,2-b]indole derivatives as highly potent ABCG2 inhibitors.

15h00 - 15h20 Coffee break

15h20 - 16h10 (40' + 10' question)

Anna-Maria Marini (Biology of Membrane Transport, Université Libre de Bruxelles, Belgium).

Roles and regulation of ammonium transport proteins of the Mep-Amt-Rh family: insights from yeast and mammalian models.

16h10 - 16h30 (15' + 5' question)

Louise Thines (Institut des Sciences de La Vie, Université Catholique de Louvain).

Unravelling the function of the yeast calcium-transporter Gdt1 for a better understanding of a new type of human Congenital Disorder of Glycosylation.

16h30 - 16h50 (15' + 5' question)

Patrice Catty (Laboratoire de Chimie et Biologie des Métaux, Grenoble).

Metal transport by P-type ATPases.

16h50-17h00 : Concluding remarks