

Stimulation of olfactory receptors expressed in cancer cells promotes their invasiveness and proloferation, leading ton increased metastasis emergence in vivo

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Preliminary Program

Wednesday november 4

12:30 Registration

14:00 Welcome

Session 1 - GPCR regulation and signaling *(Chairperson Lionel Moulédous)*

14:15 **Ulla Petaja-Repo, *University of Oulu (Finland)***
GPCR folding, maturation and trafficking

15:00 **Andrew Tobin, *University of Leicester (UK)***
Cellular and physiological impact of GPCR phosphorylation

15:45 Coffee break

16:15 **Franck Vandermoere, *IGF Université de Montpellier (France)***
Quantitative phosphoproteomics unravels biased phosphorylation of serotonin 5-HT_{2A} receptor at Ser^{280} by hallucinogenic versus non-hallucinogenic agonists

16:45 ***Young Scientists selected from posters*** *(5)*

18:30-21:00 **Poster Session 1**

19:00-22:00 Buffet

Thursday november 5

Session 2 - Nanoscale organization and dynamics of GPCR signaling *(Chairperson Laurence Salomé)*

9:00 ***Jörg Standfuss, Paul Scherrer Institute (Switzerland)***
Molecular mechanisms of phosphorylation-dependent arrestin activation

9:45 **Julie Perroy, *IGF Université de Montpellier (France)***
Organization and dynamics of the glutamatergic receptosome at the synapse

10:30 Coffee break

11:00 **Céline Galès , *I2MC Université de Toulouse (France)***
AFM/adrenergic receptors

11:30 ***Young Scientists selected from posters (2)***

12:00 Buffet

Session 3 - GPCR targeting in pathophysiology

Special Session : GPCR targeting in atherothrombosis and bleeding *(Chairperson Jean-Michel Sénard)*

13:30 **Stuart Mundell*, University of Bristol (UK)***

Platelet dysfunction associated with GPCR variants in human

14:15 **Keneth Jacobson*, NIH Bethesda (USA)***

Structure and pharmacochemistry of purinergic receptors

15:00 **Thibault Lhermusier, *CHU Toulouse (France)***

Benefits and risks of new antiplatelet agents

15:30 Coffee break

(Chairperson Daniel Fourmy)

16 :00 **Bernard Lagane*, Institut Pasteur Paris (France)***

Mechanisms of HIV-1 escape/resistance to inhibition by CCR5 ligands

16:45 **Jean-Claude Reubi*, University of Berne (Switzerland)***

Regulatory peptide receptors as targets for tumor diagnosis and therapy

17:15 **Guenhael Sanz*, INRA Jouy en Josas (France)***

Stimulation of olfactory receptors expressed in cancer cells promotes their invasiveness and proliferation, leading to increased metastasis emergence in vivo

17:45 ***Young Scientists selected from posters*** (3)

18:30 General Assembly of GDR members

19:30-22:00 **Poster Session 2**

20:00-22:00 Dinner

Friday november 6

Session 4 - Drug-discovery and genetic approaches to address GPCR function *(Chairperson Alain Milon)*

9:00 **MatthiasTschöp, *University of Munich (Germany)***

A rationally designed monomeric peptide triagonist corrects obesity and diabetes in rodents

9:45 **Gregg Siegal, *ZoBio Leidein (The Netherlands)***

Fragment screening of GPCRs using biophysical methods

10:30 Coffe break

11:00 **Frédéric Simonin, *ESBS Université de Strasbourg (France)***

Genetic models for the study of RFamide receptors

11:30 ***Young Scientists selected from posters*** *(2)*

12:00 **Ralf Jockers*, Institut Cochin Université Descartes Paris (France)***

Therapeutic potential of orphan GPCR

12:45-13:30 Awards and Conclusion