




RECEPTOR DYNAMICS EMERGING PARADIGMS FOR NOVEL DRUGS

Thursday, March 23rd



INTERNATIONAL DOCTORAL PROGRAMME

- 09:00 - 09:30  **WELCOME**
- 09:30 - 10:30 **SESSION I : SCIENTIFIC PRESENTATIONS**
- 09:30 - 10:00 **Peter GMEINER**
Bifunctional Ligands Probing GPCR Structure and Function
- 10:00 - 10:15 **Ieva VASILIAUSKAITE**
Adiponectin Receptors crystal structures reveal an intrinsic ceramidase activity
- 10:15 - 10:30 **Ilona KLOSEL**
Synthesis and biological evaluation of novel PAR2 ligands
- 10:30 - 11:00  **Break**
- 11:00 - 12:00 **SESSION II : SCIENTIFIC PRESENTATIONS**
- 11:00 - 11:30 **Cyril GOUDET**
Photoswitchable drugs to control endogenous receptors by light
- 11:30 - 11:45 **Hannes SCHIHADA**
Monitoring the conformational Changes of GPCRs – From single cells to high throughput screening
- 11:45 - 12:00 **Joyce HEUNINCK**
Influence of CXCR7 onto G-protein signalling by CXCR4
- 12:00 - 14:00  **Lunch & Posters Session I**
- 14:00 - 15:00 **SESSION III : SCIENTIFIC PRESENTATIONS**
- 14:00 - 14:30 **Ulrike HOLZGRABE**
Dualsteric ligands of G protein-coupled receptors to study the activation and signaling of G proteins
- 14:30 - 14:45 **Li Xue**
Ligand-induced rearrangement of the transmembrane domain interfaces in a GPCR hetero-oligomer
- 14:45 - 15:00 **Michael KAUK**
- 15:00 - 16:30  **Break & Posters Session II**
- 16:30 - 17:30 **SESSION IV : SCIENTIFIC PRESENTATIONS**
- 16:30 - 17:00 **Franck VANDERMOERE**
Phosphorylation of β -arrestin2 at Thr383 by MEK underlies β -arrestin-dependent activation of Erk1/2 by GPCRs.
- 17:00 - 17:15 **Antonios DRAKOPOULOS**
Opioid receptor oligomerization study through fluorescence-based assays
- 17:15 - 17:30 **Julie KNIAZEFF**
mGlu receptor oligomerization in neurons is controlled by its structural dynamics
- 17:30 - 18:00 **FINAL DISCUSSION - CONCLUDING REMARKS**
- 20:00 **DINNER at LES BAINS, Montpellier**

23 - 24

MARCH

MONTPELLIER

RECEPTOR DYNAMICS EMERGING PARADIGMS FOR NOVEL DRUGS

Friday, March 24th



INTERNATIONAL DOCTORAL PROGRAMME

10:00 - 12:00 GUIDED TOUR THROUGH IGF

12:00 - 14:00  Lunch & Posters Session

14:00 - 15:00 **SESSION V : SCIENTIFIC PRESENTATIONS**

14:00 - 14:30 [Davide CALEBIRO](#)
Visualization of GPCR signaling nanodomains by single-molecule microscopy

14:30 - 14:45 [Anne-Marinette CAO](#)
Structural dynamics studies of metabotropic glutamate receptors by single-molecule FRET

14:45 - 15:00 [Benjamin SCHREIBER](#)
Tweaking TIRFM for Enhanced Membrane Imaging

15:00 - 16:30  Break & Posters Session III

16:30 - 17:00 **SESSION VI : SCIENTIFIC PRESENTATIONS**

16:30 - 17:00 [Martin LOHSE](#)
Spatio-temporal patterns of GPCR signaling

17:00 - 17:30 CLOSING REMARKS - DISCUSSION - ORGANIZATIONAL ISSUES

23 - 24
MARCH
MONTPELLIER