

Programme of Flash Poster Presentations

Monday, 10th September from 3.40 to 4.32 pm

- 15:40 *Application of luminescence and BRET to GPCR biology: development of new assay formats for screening and compound profiling*
Gary Allenby, Aurelia Bioscience Ltd, UK P01
- 15:42 *Understanding PAR2 active-state through a combined structure-based drug design and mutagenesis study*
Flavio Ballante, Uppsala University, Sweden P04
- 15:44 *The design, synthesis and pharmacological evaluation of highly potent and selective fluorescently-labelled A2A AR antagonists based on preladenant (SCH420814)*
Eleonora Comeo, University of Nottingham, UK P05
- 15:46 *Development of a high affinity, selective fluorescent ligand for CB2 receptor*
Anna Cooper, University of Otago, New Zealand P06
- 15:48 *Expanding the pharmacological toolbox to study chemokine receptor CXCR4 by developing fluorescent probes*
Sebastian Dekkers, University of Nottingham, UK P08
- 15:50 *Development of a novel biophysical fragment screening platform for detergent-free purified GPCRs*
Daniel Hothersall, Domainex Ltd, UK P10
- 15:52 *Optimisation of peptide linker-based fluorescent ligands for histamine H1 receptor*
Zhi Yuan Kok, University of Nottingham, UK P12
- 15:54 *Identification of novel MRGX2-agonists which dose-dependently activate mast cells*
Helen Kühn, University Hospital Erlangen, Germany P13
- 15:56 *Probing inactive states of the A2A receptor by 19F NMR*
Erik Landin, University of Bristol, UK P14
- 15:58 *Development of molecular tools for the study of adenosine A1 receptors*
Martin Lochner, University of Bern, Switzerland P15
- 16:00 *G protein specific bias in a series of CCR5 chemokine analogs*
Emily Lorenzen, Rockefeller University, USA P16
- 16:02 *The Salipro[®] system for stabilization of membrane proteins*
Robin Löving, Salipro Biotech, Sweden P17
- 16:04 *Novel biased agonists for immune-metabolic receptor GPR84 induce distinct responses in primary murine macrophages*
Daniel Lucy, University of Oxford, UK P18
- 16:06 *Structure-activity relationships of imidazothiazinones and analogs as antagonists of the cannabinoid-activated orphan G protein-coupled receptor GPR18*
Andhika Mahardhika, University of Bonn, Germany P19
- 16:08 *Enhancing GPCR structures with computer-assisted drug design*
Juan Carlos Mobarec, Heptares Therapeutics Ltd, UK P20
- 16:10 *Design, synthesis and evaluation of a diazirine photoaffinity probe for Ligand-based receptor capture targeting on GPCRs*
Frederike Müskens, University of Glasgow, UK P21

7th RSC / SCI symposium on GPCRs in Medicinal Chemistry
Monday-Wednesday, 10th-12th September 2018

- 16:12 *Functional effects of biased oxyntomodulin analogues*
Phil Pickford, Imperial College London, UK P23
- 16:14 *Computational design of thermostabilizing point mutations for G protein-coupled receptors*
Petr Popov, Moscow Institute of Physics and Technology, Russia P24
- 16:16 *Developing PAR1 Inhibitors based on KLK4 protease for clinical translation as therapeutic anticancer agents*
Eitan Rabinovich, Ben-Gurion University of the Negev, Israel P26
- 16:18 *Molecular modeling studies on MOR endogenous and exogenous agonists and antagonists*
Simone Ronsisvalle, University of Catania, Italy P29
- 16:20 *Development of covalent inhibitors of GRK5 for treatment of heart failure*
Rachel Rowlands, University of Michigan, USA P30
- 16:22 *Tag-lite, a powerful non-radioactive platform for kinetic binding*
Pauline Scholler, Cisbio Bioassays, France P31
- 16:24 *Summarizing and understanding SAR and activity cliffs in GPCRs*
Giovanna Tedesco, Cresset, UK P33
- 16:26 *Development of water-soluble prodrugs of 8-sulfonamido-phenylxanthines – potent and selective adenosine A2B receptor antagonists*
Ahmed Temirak, University of Bonn, Germany P34
- 16:28 *Development of fluorescent ligands to detect cannabinoid type 2 receptor (CB2)*
Francesco Spinelli, Università degli Studi di Bari Aldo Moro, Italy P37
- 16:30 *Detection of allostery with rigidity propagation across GPCR networks*
Adnan Sljoka, Kwansai Gakuin University, Japan P38