Stuck in the membrane with you: the influence of drug-phospholipid interactions on receptor pharmacology
Thursday 17 December 2015

Organiser and Chair:
Professor Steven Charlton (University of Nottingham, UK)
Mr David Sykes (University of Nottingham, UK)

09:00 – 09:25 Ligands, their receptors and... plasma membranes
Professor Georges Vauquelin (University of Brussels, Belgium)

09:25 – 09:50 Biophysical methods to study drug membrane interactions - Insights into the molecular basis of action of the AT1 antagonist losartan
Dr Maria Zervou (National Hellenic Research Foundation, Greece)

09:50 - 10:05 Oral communication - OS018
"Micro-Pharmacokinetics": the quantification of ligand concentration at the membrane of single living cells using fluorescence correlation spectroscopy
Dr Karolina Gherbi (University of Nottingham, UK)

10:05 – 10:35 Coffee and tea break

10:35 – 11:00 The influence of the plasma membrane on observed drug-receptor binding kinetics
Mr David Sykes (University of Nottingham, UK)

11:00 – 11:15 Oral communication - OS019
Slippery substances: understanding lipid inhibition of glycine transporters
Dr Jane Carland (University of Sydney, Australia)

11:15 – 11:40 Achieving long duration of action of inhaled drugs through optimizing membrane interactions
Dr Catherine Leblanc (Novartis Institutes for Biomedical Research, Switzerland)

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