

# 16th EFMC Short Course on Medicinal Chemistry

## Confirmed Speakers

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#### **Case Study: Discovery of H1/H4 Dual Ligands**

Prof. Iwan DE ESCH  
(VRIJE UNIVERSITEIT AMSTERDAM, Amsterdam, The Netherlands)

- 1) Computational Medicinal Chemistry approaches for Structure-Based GPCR Drug Discovery**
- 2) Structural Cheminformatics Tools and workflows for GPCR Drug Discovery**
- 3) Tutorial and Exercise**

Dr Chris DE GRAAF  
(SOSEI HEPTARES, Cambridge, United Kingdom)

#### **Binding and Modulating GPCRs by Inside/Outside Binding Nanobodies**

Dr Raimond HEUKERS  
(QVQ, Utrecht, The Netherlands)

#### **Discovery of Cariprazine, A Dopamine D3 Receptor Preferring Third Generation Antipsychotics**

Prof. Gyorgy KESERU  
(HUNGARIAN ACADEMY OF SCIENCES, Budapest, Hungary)

#### **Tutorial and Exercise on GPCRdb**

Dr Albert KOOISTRA  
(UNIVERSITY OF COPENHAGEN, København, Denmark)

- 1) GPCR Ligands: Molecular Recognition, Kinetics and Allosteric Modulation**
- 2) Partial Agonism/Biased Signalling and its Therapeutical Relevance**

Dr Rob LANE  
(UNIVERSITY OF NOTTINGHAM, Nottingham, United Kingdom)

#### **General Introduction to GPCRs: Pharma Relevance, Indications, Molecular Pharmacology**

Prof. Rob LEURS  
(VRIJE UNIVERSITEIT AMSTERDAM, Amsterdam, The Netherlands)

#### **System Biology Approaches to GPCR Targets**

Dr Maria WALDHOER  
(INTERAX BIOTECH, Zürich, Switzerland)