

16th EFMC Short Course on Medicinal Chemistry

Programme

Sunday May 8, 2022

Registration

Dinner and Get Together

16th EFMC Short Course on Medicinal Chemistry

Programme

Monday May 9, 2022

Breakfast

Opening

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

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

Coffee Break

Structural Biology of GPCRs in the Era of Cryo-EM – Implications for Drug Design and Discovery

Dr Moran SHALEV-BENAMI
(WEIZMANN INSTITUTE, Rehovot, Israel)

Lunch

GPCR Ligands: Molecular Recognition, Kinetics and Allosteric Modulation

Prof. Laura HEITMAN
(UNIVERSITY OF LEIDEN, Leiden, The Netherlands)

Coffee Break

Partial Agonism/Biased Signalling and its Therapeutical Relevance

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

Day End

Walking tour through Leiden

Dinner in Leiden

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Tuesday May 10, 2022

Breakfast

A General Introduction into GPCRdb & Hands-on with the GPCRdb

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

Coffee Break

System Biology Approaches to GPCR Targets

Dr Aurelien RIZK
(INTERAX BIOTECH, Villigen, Switzerland)

Lunch

GPCR Ligand Design: Cheminformatics and Modelling

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

Coffee Break

Tutorials and Exercises

Dr Chris DE GRAAF (SOSEI HEPTARES, Cambridge, United Kingdom)
Dr Albert KOOISTRA (UNIVERSITY OF COPENHAGEN, København, Denmark)

Day End

Dinner and Get Together

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Wednesday May 11, 2022

Breakfast

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

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

Discovery of H1/H4 Dual Ligands

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

Coffee break

Binding and Modulating GPCRs by Inside/Outside Binding Nanobodies

Dr Raimond HEUKERS
(QVQ, Utrecht, The Netherlands)

Wrap up and Lunch