



CaSR Biomedicine
Training Network



CaSR Biomedicine 2nd ETN School: Translational Drug Research

School of Pharmaceutical Sciences, University of Copenhagen,
15th-19th May 2017

Monday 15th May: Fundamentals of Drug Discovery and Development

9:00 – 10:30 Session 1: Journal Club Reflection (J.Pauschenwein; FH-Joanneum.)

10:30 – 11:00 Coffee break

11:00 – 12:30 Session 2: Overview of Drug Discovery & Development (E. Nemeth; Medis Medica, Advisory Board)

- basic concepts of pharmacology
- process maps for discovery and development
- R&D productivity

12:30 – 13:30 Lunch

13:30 – 15:00 Session 3: Target Discovery and Screening Strategies (K.Seuwen; Novartis)

- genomic-based target discovery
- screening against GPCRs

15:00 – 15.30 Coffee break

15:30 – 17.00 Session 4: Pharmacokinetics (B.Søgaard; H.Lundbeck)

- ADME and simulations
- pharmacokinetic parameters and their usefulness

Tuesday 16th: Fundamentals of Drug Discovery and Development

9:00 – 10:30 Session 1: Drug Development (B.Søgaard; H.Lundbeck)

- IND & CTA Preparation
- Clinical Trial Designs and Alternative End Points
- Regulatory Issues

10:30 – 11:00 Coffee break

11:00 – 12:30 Session 2: Reproducibility of the Scientific Literature; caveats of screening against GPCRs (E.Nemeth; Medis Medica, Advisory Board)

12:30 – 13:30 Lunch

13:30 – 15:00 Session 3: Cinacalcet: Case History (E.Nemeth, medis Medica, Advisory Board)

15:00 – 15.30 Coffee break



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15:30 – 17.00 Session 4: Calcilytics and Drug Repurposing (E.Nemeth; Metis Medica, Advisory Board)

Wednesday 17th May: Ligand- and Structure-Based Drug Design

9:00 – 10:30 Session 1: Ligand-based and structure-based drug design methodologies part 1 (I.Esch; VU University Amsterdam)

10:30 – 11:00 Coffee break

11:00 – 12:30 Session 2: Ligand-based and structure-based drug design methodologies part 2 (I.Esch; VU University Amsterdam)

12:30 – 13:30 Lunch

13:30 – 15:00 Session 3: The use of computer-aided drug design (CADD) tools part 1 (L.Pugliese; Safan)

15:00 – 15.30 Coffee break

15:30 – 17.00 Session 4: The use of computer-aided drug design (CADD) tools part 2 (L.Pugliese; Safan)

Thursday 18th May: Imaging

9:00 – 10:30 Session 1: Histology and Mass Spec Imaging part 1 (J.Stauber; Imabiotech)

10:30 – 11:00 Coffee break

11:00 – 12:30 Session 2: Histology and Mass Spec Imaging part 2 (J.Stauber; Imabiotech)

12:30 – 13:30 Lunch

13:30 – 15:00 Session 3: Image Cytometry and Classification part 1 (A.Pitiot; TissueGnostics)

15:00 – 15.30 Coffee break

15:30 – 17.00 Session 4: Image Cytometry and Classification part 2 (A.Pitiot; TissueGnostics)

Friday 19th May: Management Systems & Target Discovery Case Story

9:00 – 10:30 Session 1: Management Systems part 1 (A.Hollo-Tas; AHT Management)

10:30 – 11:00 Coffee break

11:00 – 12:30 Session 2: Management Systems part 2 (A.Hollo-Tas; AHT Management)



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12:30 – 13:30 Lunch

13:30 – 15:00 Session 3: Management Systems part 3 (A.Hollo-Tas; AHT Management)

15:00 – 15.30 Coffee break

15:30 – 17.00 Session 4: The GPCR6A Receptor - from Cloning to Physiological Function
& Farewell (H.Bräuner-Osborne, University of Copenhagen)