

Course Programme

Tuesday, 26 August

20.00 Get-together, dinner reception

Wednesday, 27 August

Theme 1: Human genetics – an update

8.30 Human genome: structure, SNP, transcription, translation (Charlotte B. Andersen/Torben A. Kruse)

9.15 Genetic diversity: ethnicity, epistasis, methylation, gene/environment (Ingolf Cascorbi)

10.00-10.30 Coffee

10.30 Genetic epidemiology: study design, genome wide scan, hypothesis driven vs hypothesis generating (Charlotte B. Andersen/Torben A. Kruse)

11.15 Technologies: genotyping platforms, expression systems, whole genome approaches (Charlotte B. Andersen/Torben A. Kruse)

12.00-13.00 Lunch

13.00-14.20 Poster session

Theme 2:

Pharmacogenetics of drug metabolizing enzymes

14.30 Models for drug metabolizing enzymes (Laurent Becquemont)

15.15 Genetic polymorphisms of CYP2C and CYP2D6 (Matthias Schwab)

16.00-16.30 Coffee

16.30 Pharmacogenetics of CYP1A2 and CYP3A (Laurent Becquemont)

17.15-18.00 Pharmacogenetics of phase II drug metabolizing enzymes (Ingolf Cascorbi)

19.00 Dinner

20.30 After dinner keynote speaker: "Reflections on 40 Years of Pharmacogenetics" (Michel Eichelbaum)

Thursday, 28 August

Theme 3: Pharmacogenetics of drug transporters

8.30 Introduction and models (Ingolf Cascorbi)

9.15 Pharmacogenetics of ABC transporters (Matthias Schwab)

10.00-10.30 Coffee

10.30 Pharmacogenetics of the SLC drug transporters (Mikko Niemi)

11.15 SLC Drug targets (Ulrik Gether)

12.00-13.00 Lunch

13.00-14.20 Poster presentations

Theme 4: Pharmacogenetics of drug targets

14.30 Pharmacogenetics of adrenergic receptors (Thomas Eschenhagen)

15.15 Pharmacogenetics of tyrosine kinases (Laurent Becquemont)

16.00-16.30 Coffee

16.30 Pharmacogenetics of pain treatment (Jörn Lötsch)

17.15 Pharmacogenetics of nuclear receptors (Oliver Burk)

19.00 Social trip/dinner

(Tivoli Gardens, Wiking Ship museum etc.)

Friday, 29 August

Theme 4 - continued

9.00 Psychiatric illness (Kim Brøsen)

9.30 Oncology (Matthias Schwab)

10.00-10.30 Coffee

10.30 Anticoagulation (Ann Daly)

11.00 Pharmacogenetics of adverse drug reactions (Ann Daly)

11.30 Pharmacogenetics: possibilities and pitfalls (Munir Pirmohamed)

12.15-12.30 Closing remarks Kim Brøsen

12.30 Lunch



**Danish Clinical
Intervention
Research Academy**

Clinical intervention research contains research made on people with regard to the prevention, diagnostics and treatment of disease. This includes methods for estimation and improvement of already established routines of treatment, medical technology assessment and industrial treatment research.

How to get there:

Direct train connection from Kastrup/Copenhagen Airport and Copenhagen Central Station every 20 minutes.

Copenhagen city buses and taxis run from Helsingør Station (about 3 km).



DIRAC is a virtual research academy, which has been established in January 2004 for a five-year period. The Research Academy strives to raise the quality of the research education in clinical intervention research.

The educational offers are primarily directed at PhD students at:

The Danish Faculties of Health Sciences at the Universities of Southern Denmark, Aarhus and Copenhagen
The Danish University of Pharmaceutical Sciences
The Dental Colleges of Copenhagen and Aarhus
The Universities of South Sweden (Lund/Malmö)

As well as

Researchers within the pharmaceutical industry
Instructors

The research academy has been established by means of a grant of 6.5 million Danish Kroner from The Research Education Council. The Faculties of Medical Science in Copenhagen, Aarhus and Odense have all committed to an annual subsidy of 0.2 million Danish Kroner. In addition to this, the faculties have committed to the co-financing of 6 co-financed PhD. scholarships and external subsidies will be provided by the pharmaceutical industry amongst others.

Contact:

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Pharmacogenomics/-genetics

26-29 August 2008

at

Lo-skolen

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The course is organized jointly between DIRAC and IUPHAR with support of EACPT

Course director:

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