



AGENDA

Course Week Clinical Biostatistics I 2013

Marie Curie Initial Training Network **MEDIASRES**: Novel Statistical **ME**thodology for **DI**agnostic/Prognostic and Therapeutic **St**udies and Systematic **RE**view**S**

April 8-13 in Copenhagen

Venue:

Monday/Tuesday **Lundbeck**, Ottiliavej 9, 2500 Valby. The nearest S-train station is Valby (10 minutes walk).
Homepage: www.lundbeck.dk

Wednesday-Saturday **University of Copenhagen**, Department of Biostatistics. Øster Farimagsgade 5, Entrance B, 2nd floor, 1014 Copenhagen K. The nearest station (S-train and Metro) is Nørreport (5 minutes walk).
Homepage: www.biostat.ku.dk

Scientific Program:

Monday, April 8th Lundbeck,

please be at the reception at 8:50 the latest!

8:30 **Coffee**

9:00 – 10:20 **Introduction** Philip Hougaard (Lundbeck)

10:20 – 11:00 **Exploratory Data Analysis** Mouna Akacha (Novartis)

11:00 – 12:00 **Linear Mixed Models** Ekkehard Glimm (Novartis)

12:00 – 13:00 **Lunch**

13:00 – 13:45 **Marie Curie ITNs** Hanna Hasselblatt (UKLFR)

13:45 – 15:00 **Linear Mixed Models continued** Ekkehard Glimm (Novartis)

15:00 – 17:00 **Missing Data** Mouna Akacha (Novartis)

18:30 **Dinner at Nørrebro Bryghus** (www.noerrebrobryghus.dk)

Tuesday, April 9th

Lundbeck

9:00 – 9:30	Missing data continued Mouna Akacha (Novartis)
9:30 – 9:45	Software for computer session Philip Hougaard (Lundbeck)
9:45 – 10:30	Computer session (SAS and R)
10:30 – 12:00	Nonlinear models Philip Hougaard (Lundbeck)
12:00 – 13:00	Lunch
13:00 – 13:45	An introduction to stroke Thomas Truelsen (clinical advisor)
13:45 – 15:45	Nonlinear models continued Philip Hougaard (Lundbeck)
15:45 – 16:00	Software for computer session Philip Hougaard (Lundbeck)
16:00 – 16:45	Computer session (SAS and R)
16:45 – 17:00	Summary

Wednesday, April 10th

University of Copenhagen

Presentation day: please note: **Presentation of each individual research project by the corresponding ESR**
Feedback on presentation skills and scientific aspects of work
(in total 25 min per project; presentation should take about around half of that)

8:30 – 9.15	Presentation skills (by Sanne Larsen)
9:15 – 11:00	Meta-Analysis: Projects 2,6,7,14 Federico Bonofiglio: Meta-analysis of studies with competing risks outcomes Matteo Quartagno: Missing data and measurement in individual patient data meta-analysis Soheila Aghlmandi: Bayesian approaches to analyzing adverse events in randomized trials with a high proportion of trial arms observing no event Anna Wiksten: Meta-analysis of controlled clinical trials: Models and assumptions, inferential principles, and computational algorithms
11:00 – 11:15	Coffee
11:15 – 12:30	Diagnosis/Prognosis 1: Projects 3,4,8 Sung Won Kim: Prediction from longitudinal high dimensional molecular data Alexia Kakourou: Methods for proteomic diagnosis and prognosis in inflammatory diseases Anna Barz: Model selection and validation
12:30 – 13:15	Lunch
13:15 – 14:30	Diagnosis/Prognosis 2: Projects 5,9,10 Mia Klinton Grand: Dynamic prediction in event-history analysis Susanne Strohmaier: Understanding treatment mechanisms in clinical survival trials – a causal approach Leyla Azarang: New methods for biased survival data

14:30 - 14:45	Coffee
14:45 – 16:30	Therapy: Projects 12,11,1,13 Corine Baayen: State of the art adaptive dose finding designs Ketil Biering Tvermosegaard: Clinical trials with a pharmacodynamics endpoint Hong Sun: Clinical trials for personalized, marker based treatment strategies Markus Lange: Design of clinical trials with biologics
16:30 – 17:00	Rounding up – overall feedback (by Sanne Larsen)

Thursday, April 11th University of Copenhagen

8:30 – 11:45	Survival data – Introduction Ørnulf Borgan (UiO)
Material for preparation:	Chapter 1 of Book “Survival and Event History Analysis: A Process Point of View” (ABG) sections 2.2.1-6 and 2.3.1-2 (only main results without technical details) of ABG sections 3.1 to 3.3 of ABG
12:00 – 12:30	Lunch
12:30 – 13:15	Session by clinical advisor Professor Christian Torp-Pedersen (Gentofte University Hospital)
13:30 – 16:30	Cox Regression Thomas Scheicke (UCPH)
Material for preparation:	Chapter 4.1 of AGB plus slides additional reading Sections 6.1 and 6.2 of Martinussen and Scheike (2006). (Get via springerlink (free download for many Universities))
17:30	Boat Tour and official Course Week Dinner (Dinner starting at 19:00)

Friday, April 12th University of Copenhagen

8:30 – 10:45	Competing risks Jan Beyersmann (UKLFR)
Material for preparation:	Chapter from CH-handbook Beyersmann-Scheike.pdf
10:45 – 11:00	Coffee
11:00 – 12:00	Multistate models Hein Putter (LUMC)
12:00 – 12:30	Lunch

12:30 – 13:45

Multistate models continued Hein Putter (LUMC)

13:45 - 16:00

Sampling of time to event data Jacobo de Uña Álvarez (UVIGO)

Saturday, April 13th University of Copenhagen

9:00 – 12:00

Scientific reading and writing
(Teacher from UCPH)

General information:

Transport information: www.rejseplanen.dk

Tickets: from Airport to Hotel a 3-zone ticket is needed (to be payed in Danish Crowns), for the meeting 2-zone klip cards are recommended (tickets for going 10 times by train or bus)

Money: You can draw cash from Nordea or Danske Bank at Nørreport station. There will be a considerable fee except for clients of some banks such as Commerzbank (or Comdirect). Almost everywhere you can pay with your Visa card and the corresponding pin.

Phone Calls: An easy way to make cheap phonecalls is to buy a Lycamobile card for the mobile phone.

Please also check the document with Travelling Directions for further information.