

# Workshop “Order restricted inference and estimation”

*December 8-9, 2011, Hasselt University*

*Auditorium H1*

## PROGRAM

Day 1: December 8, 2011

### Session 1 (Order restricted inference):

10.00 – 11.00: Ludwig Hothorn (Leibniz University, Hannover, Germany)  
Multiple contrast tests – a general approach for inference with restricted alternatives  
[hothorn@biostat.uni-hannover.de](mailto:hothorn@biostat.uni-hannover.de)

11.00 – 12.00: Ori Davidov (Haifa University, Israel)  
The linear stochastic order and directed inference for multivariate ordered distributions  
[davidov@stat.haifa.ac.il](mailto:davidov@stat.haifa.ac.il)

12.00 – 13.30: LUNCH

### Session 2 (Bayesian Approaches):

13.30 – 14.30: Herbert Hoijtink (Utrecht University, The Netherlands)  
Objective bayes factors for inequality constrained hypotheses  
[h.hojtink@uu.nl](mailto:h.hojtink@uu.nl)

14.30 – 15.15: Adetayo Kasim (Wolfson Research Institute, Durham University, UK)  
Multiplicity adjustment using Bayesian variable selection methods for dose-response experiments.  
[a.s.kasim@durham.ac.uk](mailto:a.s.kasim@durham.ac.uk)

15.15 – 15.45: COFFEE BREAK

15.45 – 16.30: Lauren Hannah (Duke University, USA)  
Multivariate convex regression  
[lauren.hannah@duke.edu](mailto:lauren.hannah@duke.edu)

16.30 – 17.15: Joris Mulder (Tilburg University, The Netherlands)  
Default Bayes factors for testing informative hypotheses  
[J.Mulder3@uvt.nl](mailto:J.Mulder3@uvt.nl)

18.30: Dinner in Hasselt

Day 2: December 9, 2011

Session 1 (1/2 day tutorial: Model uncertainty and multiplicity adjustments in dose-response modeling):

09.00 – 10.30: Jose Pinheiro (J&J, USA) and Bjoern Bornkamp (Novartis, Switzerland)  
Basics and advanced topics of MCPMod (1)  
[JPinheil@its.jnj.com](mailto:JPinheil@its.jnj.com) & [bjoern.bornkamp@novartis.com](mailto:bjoern.bornkamp@novartis.com)

10.30 – 11.00: COFFEE BREAK

11.00 – 12.30: Jose Pinheiro (J&J, USA) and Bjoern Bornkamp (Novartis, Switzerland)  
Basics and advanced topics of MCPMod (2)

12.30 – 14.00: LUNCH

Session 2 (case studies):

14.00 – 14.45: Peter Teunis (RIVM, The Netherlands)  
Dose response for infectious organisms: a hierarchical perspective.  
[Peter.Teunis@rivm.nl](mailto:Peter.Teunis@rivm.nl)

14.45 – 15.30: Emanuele Del Fava (Uhasselt, Belgium)  
Order restricted mixture models for serological data.  
[emanuele.delfava@uhasselt.be](mailto:emanuele.delfava@uhasselt.be)

15.30 – 16.00: COFFEE BREAK

16.00 – 16.45: Jan Serroyen (Maastricht University, The Netherlands)  
Modeling HIV viral loads using differential equations  
[jan.serroyen@maastrichtuniversity.nl](mailto:jan.serroyen@maastrichtuniversity.nl)

16.45 – 17.30: Dan Lin (Pfizer and Uhasselt, Belgium)  
Dose-response analysis for microarray data and summary of the workshop.  
[dan.lin@uhasselt.be](mailto:dan.lin@uhasselt.be)

17.30: Reception