



Day 1:

Invited talks

09h00-12h00: **Invited speaker: Gianluca Baio, UC London**
An introduction to INLA with a comparison to JAGS (hands on)
(including 2 coffee breaks of 15 mins)

12h00-13h00: **Lunch**

Invited talks

13h00-14h40: **Invited speaker: Pierre Lebrun, Arlenda**
An introduction to STAN and SAS PROC MCMC

14h40-15h00: **Coffee break**

Contributed talks

15h00-15h20: **E. Cule** *Integration of results from pairwise preference experiments*

15h20-15h40: **E. Rozet et al.** *A Bayesian probability criterion to assess analytical results reliability*

15h40-16h00: **B. Boulanger and P. Lebrun** *A Bayesian model for optimizing the filling of a product to reduce risk of being OOS in presence of uncertainty*

16h00-16h20: **J.J. Abellan et al.** *Use of conditional power priors to incorporate prior information in sample size calculations*

Day 2: Presentation of Bayesian applications

Invited talks

09h00-10h00: **Invited speaker: David Ohlssen, Novartis**
Bayesian signal detection in drug research

10h00-10h40: **Invited speaker: Emmanuel Lesaffre and Veronika Rockova, Erasmus MC**
Bayesian variable selection with a focus on the analysis of genomic data

10h40-11h00: **Coffee break**

Contributed talks

11h00-11h20: **E. Moreno et al.** *Bayesian variable selection for identifying subgroups in cost-effectiveness analysis*

11h20-11h40: **M. Otava et al.** *Bayesian variable selection method for modeling dose-response microarray data under simple order restrictions*

11h40-12h00: **J.K. Park et al.** *Model selection in Bayesian survival analysis for a multi-country cluster randomized trial*

12h00-13h00: **Lunch**

Invited talks

13h00-14h00: **Invited speaker: Nicky Best, Imperial College London**

Bayesian methods for missing data imputation – Part 1

14h00-14h40: **Invited speaker: Alexina Mason, Imperial College London**

Bayesian methods for missing data imputation – Part 2

14h40-15h00: **Coffee break**

Contributed talks

15h00-15h20: **N.L. Turner et al.** *A Bayesian framework to account for uncertainty due to missing data in meta-analysis*

15h20-15h40: **P. Vlachos** *Effective Implementation of Bayesian adaptive randomization in early phase clinical development*

15h40-16h00: **E. Spaans et al.** *Study proposal for a Bayesian adjusted study to investigate the dose of antipsychotics resulting in a target exposure associated with anti-delirant effects with minimized occurrence of side effects*

Day 3: Presentation of Bayesian applications

Contributed talks

09h00-09h20: **L.C. Barrado** *Estimation of optimally-combined-biomarker accuracy in the absence of a gold standard reference test*

09h20-09h40: **P.E. Verde** *Meta-analysis of paired-comparison studies of diagnostic test data: a Bayesian modeling approach*

09h40-10h00: **M. Murawska et al.** *A comparison between landmarking and joint modeling for producing predictions using longitudinal outcomes*

10h00-10h20: **E.-R. Andrinopoulou et al.** *Joint modeling of two longitudinal outcomes and competing risk data – Dynamic event predictions*

10h20-10h40: **S.R. Bryan et al.** *Bayesian hierarchical modelling of longitudinal glaucomatous visual fields incorporating influential factors*

10h40-11h00: **Coffee break**

Contributed talks

11h00-11h20: **B. Li et al.** *A Bayesian multivariate multilevel Gaussian model with a mixed effects structure in the mean and covariance part*

11h20-11h40: **C.M. Russo and D.A. Silva** *Bayesian Analysis for heavy-tailed nonlinear mixed effects models*

11h40-12h00: **S. Willemsen et al.** *A multivariate Bayesian model for human growth*

12h00-12h20: **M. Aregay et al.** *Hierarchical Bayesian overdispersion models for non-Gaussian repeated measurement data*

12h20-12h30: **Farewell**

12h30-13h30: **Lunch**