

Advanced Course on Analysis Methods and Modelling in Biomedical Research

Basic information

Organisation: Laboratory of Biostatistics and Medical Informatics (LBIM), Faculty of Medicine, University of Coimbra

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Dates: October 21-23, 2014

Venue: Institute for Nuclear Sciences Applied to Health (ICNAS)

- The course is primarily offered to researchers with intermediate background in statistics and data mining using clinical data.
- Most participants are likely to be experienced with high dimensional data such as EEG, PET, MR and fMRI and share an interest in combining imaging studies with other very high dimensional biomarkers such as gene expression arrays

Program

Day 1 (October 21):

10H00-12H00 Survival analysis and truncated data. *Rebecca Bettensky*

14H30-15H30 Modelling and data mining with PET/SPECT data. *Francisco Oliveira, Miguel Patrício*

16H00-17H00 Computational modelling in neuroscience. *Joana Cabral*

Day 2 (October 22):

10H00-12H00 Censored covariates in regression models – examples of applications to Alzheimer's disease. *Rebecca Bettensky*

14H30-16H00 DIAMARKER – a high dimensional database in diabetes. *Miguel Castelo-Branco, João Duarte, Mohammed Al-Rawi, Francisco Caramelo*

Day 3 (October 23):

10H00-12H00 Studies using very high dimensional biomarkers. *Rebecca Bettensky*