

First Announcement and Call for Papers:

Workshop of the

Working Groups „Non-Clinical Statistics” and „Bayes Methods“ of the International Biometric Society, German Region

Göttingen or online, 5-6/12/2024

“Hierarchical Models in Preclinical Research”

Workshop Objectives

The aim of the workshop is to provide an overview of recent Bayesian methods for application in preclinical research. As always, the workshop welcomes presentations by the participants on current research topics, particularly:

- Bayesian methods in pre-clinical experimentation, and link to early clinical stages
- Theory, application and implementation of informative priors
- Mixed models and their application
- “Borrowing” of information, in particular through meta-analytic predictive priors
- Prediction of future success

Invited Tutorial

Sebastian Weber and Lukas Widmer (Novartis AG, Basel):

Applied modelling in drug development via brms

After an introduction, the tutor will lead us through practical applications in R using the package brms. Applications will cover inclusion of historical data, nonlinear longitudinal analyses, mixed effects models for repeated measurements, and dose-effect investigations. Examples will mainly come from preclinical contexts.

More details, e.g. R packages required: <https://opensource.nibr.com/bamdd/>

Further Information

Please visit the websites of the working groups:

<http://www.biometrische-gesellschaft.de/arbeitsgruppen/bayes-methodik.html>

<https://www.biometrische-gesellschaft.de/arbeitsgruppen/non-clinical-statistics.html>

Instructions for Authors

Please send **abstracts** (max. one A4 page, 12pt) of presentations to one of the organizers (below) by e-mail. The expected length for each presentation is 40 or 20 minutes plus discussion. The workshop language will be English, but presentations in German will also be welcome. Presentation files should be made available for publication on the websites of the working groups.

Important Dates

15/10/2024	Submission deadline for abstracts
25/10/2024	Notification of acceptance of abstracts; publication of the program shortly thereafter
23/11/2024	Deadline for registration (see below) – late registration only as long as places available

Registration

For registration please send e-mail to Christian.Roever@med.uni-goettingen.de or Bernd-Wolfgang.lgl@boehringer-ingenelheim.com indicating your **name**, **affiliation** and **presence/ online** participation and **joint dinner** participation. Participation in presence is limited to 44 persons. There is no registration fee, but membership in the Biometric Society is encouraged. A link to the videoconference will be sent by e-mail ca. 25/11/2024. Organizers may cancel, postpone or change the program due to unforeseen circumstances. Registered participants will be informed. Other liabilities like costs of travel or time are excluded.

Organisers

Working Group „Non-Clinical Statistics“:

Dr. Bernd-Wolfgang Igl (Boehringer Ingelheim Pharma GmbH & Co. KG) Bernd-Wolfgang.Igl@boehringer-ingelheim.com

Working Group „Bayes Methods“:

Dr. Reinhard Vonthein (Universität zu Lübeck) reinhard.vonthein@uni-luebeck.de