

Welcome to ISCB35 in Vienna!

The International Society for Clinical Biostatistics (ISCB) was founded in 1978 to stimulate research into the principles and methodology used in the design and analysis of clinical research and to increase the relevance of statistical theory to the real world of clinical medicine.

It is the first time that an ISCB conference will take place in Vienna, Austria. The venue is Vienna's main University building with arcades full of busts of famous scholars, who had taught here in past centuries. They remind us of Vienna's long tradition, not only in Music and Arts, but also in



Science, and Medicine. The building of 1865 has a nice green yard, ideal for scientific exchanges in relaxed atmosphere. Shady parks (Rathauspark) and rose gardens (Volksgarten) are close. Furthermore, many of Vienna's numerous sights are within walking distance from the venue. Explore, why Vienna has been such an inspiring place for centuries, and still is ranked top in the annual Mercer Quality of Living Surveys of 221 cities on this globe!

The traditional excursions on Tuesday, as well as pre- and post-conference trips will permit to get a deeper knowledge and understanding of Vienna, of Austria, and also of our close neighbours; see www.iscb2014.info for various suggestions. The optional conference dinner will take place in one of Vienna's finest historic 19th century palaces, the Palais Ferstel, with live Viennese ballroom-music and dancing.

Like previous annual conferences of ISCB the 2014 conference will provide a scientific forum for international exchange of theory, methods and applications of biostatistics in medical research and practice among clinicians, statisticians and members of other disciplines, such as epidemiologists, clinical chemists and clinical pharmacologists, working or interested in the field of clinical biostatistics. Details on the scientific topics of the conference, the invited sessions, the conference courses, and on the mini-symposia on Thursday morning are given overleaf.

We are convinced that ISCB35 in 2014 will be as attractive scientifically as the unique location certainly is. Therefore, mark your calendar now!

We cordially invite you to Vienna and to ISCB35,

Michael Schemper
Chair,
Local Organizing
Committee

Georg Heinze
Chair,
Scientific Programme
Committee



Important Dates

- 15 Jan 2014 Call for abstracts, Conference Awards application and registration
- 15 Mar 2014 Deadline abstracts submission and Conference Awards application
- 01 May 2014 Notification of abstract acceptance
- 15 May 2014 Early bird registration deadline
- 24 Aug 2014 Conference start

Local Organizing Committee

Michael Schemper (Chair)
Martin Posch (Treasurer, Deputy Chair)
Daniela Dunkler (Sponsoring)
Andreas Futschik
Andreas Gleiss (Public Relations)
Alexandra Graf (Public Relations)
Maria Kohl
Franz König (Sponsoring)
Julia Singer
Ursula Taborsky / Viktoria Frysak (Secretary)

Scientific Programme Committee

Georg Heinze Austria; Chair
Michal Abrahamowicz Canada
Axel Benner Germany
Hans Ulrich Burger Switzerland
Ronald Geskus The Netherlands
Els Goetghebeur Belgium
Miguel Hernán USA
Karen Leffondré France
Stefan Michiels France
Alessandra Nardi Italy
Martin Posch Austria
Jenő Reiczigel Hungary
Michael Schemper Austria
Ian White United Kingdom

Conference Organization Bureau

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www.iscb2014.info



International Society for Clinical Biostatistics 35th Annual Conference

Second Announcement



24 - 28 August 2014
Vienna, Austria



Scientific Topics

General Topics

Design and analysis of clinical trials
 Methodological issues and case studies in epidemiology
 Pharmaceutical statistics and regulatory issues
 Bayesian methods in biostatistics
 Survival analysis, multistate models and competing risks
 Longitudinal data analysis
 Methods for handling missing data
 Statistical methods for systems biology and genetics

More Specialized

Development and validation of clinical prediction models
 Diagnostic studies
 Adaptive and dynamic treatment strategies
 Novel designs and methods for simulations
 Modeling infectious diseases
 Observational studies and causal inference methods
 Meta-analysis and network meta-analysis
 Comparative effectiveness and outcomes research
 Penalized methods in high- and in low-dimensional regression analyses
 Pharmacoepidemiology and drug development
 Statistical interactions: estimation and testing
 Practical experiences with targeted therapy studies
 Issues in multiple testing
 Software aspects of efficient statistical analyses

Call for Abstracts

Deadline for abstract submission is **15 March 2014**.
 The submitting form is found at www.iscb2014.info from January 2014.

Contributed presentations (oral presentations as well as posters) are welcome in any area of biostatistics, epidemiology and related topics. The Scientific Programme Committee particularly encourages submissions of contributed presentations about the invited session topics, as well as the other scientific topics.

The abstract should be submitted via the abstract submission system on the conference website where detailed information about the procedure can be found.

The Scientific Programme Committee will review all submitted abstracts, and notification of acceptance will be given by **1 May 2014**.

Papers based on the presentations at ISCB35 may be submitted for a special conference issue of *Statistics in Medicine*.

Please note that presenters of abstracts are not automatically registered for the conference and should register before the early bird deadline **15 May 2014** to be included in the programme.

Conference Awards

The ISCB grants both ISCB Student Conference Awards (Organizer: Ulrich Mansmann) and Conference Awards for Scientists (Organizer: Zdeněk Valenta). Please, see the detailed conditions on the conference website and apply before **15 March 2014**.

Mini-Symposia

1. Statistical challenges in the epidemiology of aging (Carole Dufouil and Karen Leffondré, F)
2. Genomics-based Personalized Medicine (joint with the International Genetic Epidemiology Society; Andreas Ziegler, D)

Invited Program

President's Invited Speaker

Why bother with Bayes? (Thomas A. Louis, USA)

Invited Sessions

1. On trial: integrated care pathways, evidence based medicine and EHRs. (Organizer: Els Goetghebeur, B)
2. Statistical methods for poly-omics studies. (Organizers: Axel Benner and Manuela Zucknick, D)
3. New methods to control for unobserved confounding (Organizer: Michal Abrahamowicz, CAN)
4. Inverse probability weighting techniques (Organizers: Ronald Geskus, NL, and Karen Leffondré, F)
5. Prediction to support clinical decision making (Organizer: Alessandra Nardi, I)
6. Beyond R packages: getting our methods into standard software (Organizer: Georg Heinze, A)

Panel Discussion

The power of data sharing: advancing research for everyone's benefit? (Organizer: Martin Posch, A)

Conference Courses

Pre-Conference Courses Full-Day

1. Handling missing outcome data in randomized trials (Ian White and Shaun Seaman, UK)
2. Competing risks and multi-state models (Ronald Geskus and Hein Putter, NL)

Pre-Conference Courses Half-Day

1. Statisticians in Data Monitoring Committees (Thomas Jaki and Lisa Hampson, UK)
2. Extended frailty models for recurrent or clustered survival data (Virginie Rondeau, F)
3. Interaction analysis (Tyler VanderWeele, USA)
4. Statistical methods in Systems Medicine (Holger Fröhlich, D)

Post-Conference Course

Design of adaptive clinical trials (Cytel Inc., USA)