

General Information

Venue

Friedrich-Schiller-University of Jena
Auditorium maximum
Fürstengraben 1
07743 Jena, Germany

Date

4–7 October 2016

Conference Website

www.isgsb2016.de



Conference Chair

Stefan Schuster
Friedrich-Schiller-University of Jena
Department of Bioinformatics
Ernst-Abbe-Platz 2
07743 Jena, Germany

Conference Organisation

Conventus Congressmanagement & Marketing GmbH
Anja Kreutzmann
Carl-Pulfrich-Strasse 1
07745 Jena, Germany
Tel. +49 3641 31 16-357
Fax +49 3641 31 16-243
anja.kreutzmann@conventus.de
www.conventus.de

Industrial Exhibition

The meeting will be accompanied by a specialised industrial exhibition. Interested companies are invited to request information on the exhibition modalities from the conference organisation through Conventus.

Registration

Further information about registration and fees can be found online at www.isgsb2016.de soon.

General Information

ISGSB Organisers

Stefan Schuster
Department of Bioinformatics • FSU Jena
Dominik Driesch
BioControl Jena GmbH
Oliver Ebenhöh
Institute for Quantitative and Theoretical Biology
HHU Düsseldorf
Marc Thilo Figge
Applied Systems Biology • HKI Jena
Pu Li
Institute for Automation and Systems Engineering
TU Ilmenau
Manja Marz
RNA Bioinformatics and High Throughput Analysis • FSU Jena
Günter Theißßen
Department of Genetics • FSU Jena
Johannes Woestemeyer
Institute of Microbiology • FSU Jena

YSGSB Organisers

Kailash Adhikari
Oxford Brookes University
Mathias Bockwoldt
University of Tromsø
Sybille Dühring
Department of Bioinformatics • FSU Jena
Sabrina Ellenberger
Institute of Microbiology • FSU Jena
Alexander Heberle
University Medical Centre Groningen
Sebastian Henkel
BioControl Jena GmbH
Franziska Hufsky
RNA Bioinformatics and High Throughput Analysis • FSU Jena
James Rowe
Durham University
Dipali Singh
Oxford Brookes University
Agnieszka Wegrzyn
University Medical Centre Groningen

ISGSB 2016
JENA

INTERNATIONAL STUDY GROUP
FOR SYSTEMS BIOLOGY

CALL FOR ABSTRACTS

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04–07 OCTOBER
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Welcome Note



Dear colleagues,

it is our great pleasure to announce that the next meeting of the International Study Group for Systems Biology (ISGSB, formerly BTK) will be held in Jena from October 4–7, 2016 and, thus, for the first time, in Germany. In addition, there will be special scientific and social activities by the Y(oung)SGSB (early career ISGSB). The biennial ISGSB meetings are devoted to advancing the biological sciences by exploring the interplay between mathematical modelling, computer simulation and wet-lab experiments. ISGSB had dealt with topics of Systems Biology even before that term was coined. Models can be presented and discussed in more detail than usual at other conferences.

ISGSB 2016 will be devoted to the memory of one of the founders of Systems Biology, Reinhart Heinrich (1946–2006). His sudden death was a shock to the community. A decade later, we want to come together to exchange and discuss scientific ideas in his lively spirit. He had always been enthusiastic in doing so and provided us with a plethora of novel ideas.

Jena is a lively city shaped by Science. The university, founded in 1558 (the evolutionary biologist Ernst Haeckel and the discoverer of the living plant cell, Matthias Schleiden, worked here), three Max-Planck institutes, three Leibniz institutes, the Carl Zeiss Jena GmbH and many biotech companies with young and dynamic researchers provide an incredible impetus to the city.

The meeting will cover several topics of Systems Biology in various sessions. Besides invited and contributed talks, poster sessions will be of high importance.

We will be happy to welcome you in Jena in October 2016 and look forward to an exciting meeting!

With best wishes,

Stefan Schuster, Sybille Dühring and Sebastian Henkel

Major Topics and Call for Abstracts

Abstract Submission

We cordially invite you to submit your abstracts (length: max. 3,000 characters) online at www.isgsb2016.de to the topics below. Abstracts must be submitted in English by **May 31, 2016**.

The programme committee and expert reviewers will evaluate the abstracts according to scientific content and suitability for the conference. A limited number of abstracts will be accepted for oral or poster presentation.

Abstracts are welcome on topics of Systems Biology within the following main themes:

1. Infection modelling
2. Regulatory interactions and signalling
3. Plant physiology and development
4. Biological thermodynamics
5. Optimality principles
6. Multiscale systems medicine
7. Metabolic Pathway Analysis
8. Towards whole-cell models

The Reinhart Heinrich lecture will be given by Tom A. Rapoport (Harvard Medical School).



Programme Committee

- B. M. Bakker, Groningen/NL (Chair)
L. Acerenza, Montevideo/UY
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D. A. Beard, Wisconsin, WI/US
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