

September 12-14, 2018, Brno, Czech Republic (cmsb2018.fi.muni.cz)

About

CMSB 2018 solicits original research articles, tool papers, and posters on the modelling and analysis of biological systems and networks as well as the analysis of biological data. The conference brings together computer scientists, biologists, mathematicians, engineers, and physicists interested in a system-level understanding of biological processes.

Topics of interest include, but are not limited to:

- formalisms for modelling biological processes
- models, methods, tools, and their applications
- frameworks for model verification, validation, analysis, and simulation of biological systems
- high-performance methods for computational systems biology
- parameter and model inference from data
- automated parameter and model synthesis
- model integration and biological databases
- multi-scale modelling and analysis methods
- design, analysis, and verification methods for synthetic biology
- methods for biomolecular computing and engineered molecular devices

Organisation

PC co-chairs

Milan Češka, Brno University of Technology (CZ)

David Šafránek, Masaryk University (CZ)

Tool Track Chair

Samuel Pastva, Masaryk University (CZ)

Local Organisation Chair

David Šafránek, Masaryk University (CZ)

Invited Speakers

Ilka M. Axmann, Heinrich Heine University Düsseldorf, DE

Mustafa Khamash, ETH Zurich, CH

Chris J. Myers, University of Utah, US

Andrew Phillips, Microsoft Research, UK

Andrew Turberfield, University of Oxford, UK

Call for Contributions

We solicit high-quality submissions, to be reviewed by the Program Committee, and to be published in the Springer Lecture Notes in Computer Science (LNCS/LNBI) series.

Submitted papers should describe original work that has not been previously published and is not under review for publication elsewhere. We accept the following two types of paper submissions:

- **regular papers** (max 15 pages excl. references)
- **tool papers** (max 6 pages incl. references)

A selection of best papers will be invited to be extended and submitted to a special section of **IEEE/ACM Transactions on Computational Biology and Bioinformatics**.

CMSB 2018 also considers for publication **original poster abstracts** (max 2 pages) presenting unpublished work.

In addition to original contributions, CMSB 2018 solicits **poster abstracts of recent out-standing results** and abstracts of **oral presentations**.

Important Dates

Paper abstract pre-submission:	20.4.2018
Paper and original poster submission:	27.4.2018
Author notification:	8.6.2018
Final version:	15.6.2018
Poster/oral presentation submission:	22.6.2018