


18th International Conference on
Computational Methods in Systems Biology

23rd-25th Sept. 2020, Konstanz (Germany)

<https://cmsb2020.uni-saarland.de>



CMSB 2020 brings together computer scientists, biologists, mathematicians, engineers, and physicists interested in a system-level understanding of biological processes. In particular, the conference is open to theoretical works with potential applications to modelling and systems biology. Contributions are welcome on all aspects of the analysis of biological systems, networks, data, and corresponding application domains.

Topics of interest include, but are not limited to:

Formalisms for modelling biological processes
Models and their biological applications
Frameworks for model verification, validation,
analysis and simulation of biological systems
Methods for synthetic biology and biomolecular
computing
Machine learning, model inference from
experimental data
Model integration from biological databases
Multi-scale modelling and analysis methods
Collective behaviour
High-performance computational systems
biology and parallel implementations

PC co-chairs:

Alessandro Abate, University of Oxford (UK)
Tatjana Petrov, University of Konstanz (Germany)
Verena Wolf, Saarland University (Germany)

Confirmed Invited Speakers:

Grégory Batt, Inria and Institute Pasteur, France
Iain Couzin, Max Planck Institute of Animal
Behaviour & University of Konstanz, Germany
Domitilla Del Vecchio, MIT, USA

Format:

Papers should be submitted to one of the following categories:

Regular papers (15 pages, LNCS style)
Tool papers (6 pages, LNCS style)

Important dates:

Tutorial abstract submission: **April 1, 2020**
Regular paper submission: **April 15, 2020**
Tool paper submission: **April 15, 2020**
Presentation submission: **April 15, 2020**
Poster abstract submission: **June 15, 2020**



Post-proceedings will appear as a volume in **Springer LNCS/LNBI**.