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5th Conference on Constraint-Based Reconstruction and Analysis

COBRA 2018

October 14 – 16, 2018
Sheraton | Seattle, Washington

Established and new members of the COBRA community are invited to COBRA 2018 to discuss the latest developments in Constraint-Based Reconstruction and Analysis.

Metabolic processes and their regulation in response to environmental and genetic perturbations are fundamental to the growth and maintenance of all cells. Linking the genome to its functioning metabolism is therefore of substantial interest in fields ranging from industrial biotechnology to human health. Constraint-based Reconstruction and Analysis (COBRA) has over recent years rapidly expanded and been established as the method of choice for studying cellular metabolism in a global and unbiased fashion. The COBRA 2018 Conference aims to bring together the worldwide COBRA community to discuss latest developments, novel tools and emerging applications in diverse biological research areas, such as metabolic engineering and medicine. The meeting will offer a unique platform for the exchange of ideas and catalyze new, multi-disciplinary collaborations.

SUBMIT AN ABSTRACT FOR THE FOLLOWING SESSION TOPICS:

- New Frontiers
- Applications in Medicine
- Methods & Software
- Multi-scale Modeling
- Application in Metabolic Engineering



SPEAKERS:

- **Evrin Acar**, *University of Copenhagen*
- **Vassily Hatzimanikatis**, *Ecole Polytechnique Federale de Lausanne*
- **Nathan Lewis**, *University of California San Diego*
- **Christian Lieven**, *Technical University of Denmark*
- **Costas Maranas**, *The Pennsylvania State University*
- **Jens Nielsen**, *Chalmers University of Technology*
- **Bernhard Palsson**, *University of California San Diego; Novo Nordisk Center for Biosustainability, Denmark*
- **Jennifer Reed**, *University of Wisconsin-Madison*
- **Eytan Ruppin**, *Cancer Data Science Lab, National Cancer Institute*
- **Uwe Sauer**, *Eidgenössische Technische Hochschule Zürich*
- **Ines Thiele**, *Luxembourg Centre for Systems Biomedicine*

CONFERENCE CHAIRS:

- **Nathan Price**, *Institute for Systems Biology*

ORGANIZING COMMITTEE:

- **Markus Herrgård**, *Novo Nordisk Foundation Center for Biosustainability*
- **Jason Papin**, *University of Virginia*
- **Kiran Patil**, *European Molecular Biology Laboratory*
- **Tomer Shlomi**, *Technion - Israel Institute of Technology*
- **Vangelis Simeonidis**, *Institute for Systems Biology*
- **Ines Thiele**, *Luxembourg Centre for Systems Biomedicine*