



5th Conference on Constraint-Based Reconstruction and Analysis (COBRA 2018)
October 14 - 16, 2018 | Sheraton | Seattle, Washington

**SUBMIT AN ABSTRACT
BY: JULY 13**

**FOR BEST RATES
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FEATURED SPEAKERS:



Evrin Acar
*Senior Research
Scientist*
**Simula Research
Laboratory**



**Vassily
Hatzimanikatis**
Associate Professor
**Ecole Polytechnique
Federale de Lausanne
(EPFL)**



Nathan Lewis
Assistant Professor
**University of
California San Diego**



Christian Lieven
PhD Student
**Novo Nordisk
Foundation Center for
Biosustainability,
Technical University
of Denmark**



Costas Maranas
Professor
**Pennsylvania State
University**



Jens Nielsen
Professor and Director
**Chalmers University of
Technology**



Bernhard Palsson
Professor; CEO
**University of
California San Diego;
Novo Nordisk Center
for Biosustainability**



Jennifer Reed
Associate Professor
**University of
Wisconsin-Madison**



Eytan Ruppin
*Chief, Cancer Data
Science Lab*
**National Cancer
Institute**



Uwe Sauer
Professor
**Eidgenössische
Technische
Hochschule (ETH)
Zürich**



Ines Thiele
Associate Professor
**Université du
Luxembourg**

SESSIONS:

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

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.

Conference Chair:

- **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*

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