

**The 1st SyBSyM Lake Como School:  
“Systems Biology and Systems Medicine: Precision Biotechnology and Therapies”**

Final program

Lake Como School of Advanced Studies, 21-27 September 2014

Location: Villa del Grumello, Via Cernobbio, 11, Como

Web site: [ucbf.lakecomoschool.org](http://ucbf.lakecomoschool.org)

	Sep 21, Sun	Sep 22, Mon	Sep 23, Tue	Sep 24, Wed	Sep 25, Thu	Sep 26, Fri	Sep 27, Sat
	Chair: Westerhoff	Chair: Nielsen	Chair: Karr	Chair: Vanoni	Chair: Hautaniemi	Chair: Barberis	Chair: Alberghina
9:00-11:00		Karr	Nielsen Lecture 2	Westerhoff	Vanoni	Rozman	Balling
11:00-11:30		Coffee break					
11:30-12:30		Alberghina	Sharpe	Kitney (ISBE)	Barberis	Hautaniemi	Benson
12:30-13:30				Kolch (CASyM)			
13:30-14:30		Lunch					
14:30-16:00	Registration	Tutorial A Flux Balance Analysis	Tutorial B Dynamic models	Sightseeing	Tutorial C Modeling Tools for Pharmacokinetics and Systems Medicine	Tutorial D Systems Biology of disease	(end of meeting)
16:00-16:30	Opening remarks	Coffee break			Coffee break		
16:30-18:00	Nielsen Lecture 1	Tutorial A Flux Balance Analysis	Tutorial B Dynamic models	Social dinner	Tutorial C Modeling Tools for Pharmacokinetics and Systems Medicine	Tutorial D Systems Biology of disease	
18:00-19:00	Welcome drink	Poster sessions			Poster sessions		
19:00	(end of sessions)			(end of sessions)			

<b>Lectures</b>		
<b>Lecturer</b>	<b>Lecture title</b>	<b>Affiliation</b>
<b>Sep 21, Sun – Chair: Hans V. Westerhoff</b>		
Opening remarks: Lilia Alberghina, Giulio Casati, Cristina Messa		SYSBIO Italy; Como School; University of Milano-Bicocca
Jens Nielsen (1)	Lecture 1: Systems biology of yeast metabolism and evolution	Chalmers University of Technology, Göteborg
<b>Sep 22, Mon – Chair: Jens Nielsen</b>		
Jonathan Karr	Integrative computational models	Icahn School of Medicine at Mount Sinai, NYC
Lilia Alberghina	Systems biology of growth and the cell cycle	SYSBIO Italy; University of Milano-Bicocca
<b>Sep 23, Tue – Chair: Jonathan Karr</b>		
Jens Nielsen (2)	Lecture 2: Systems biology of cancer metabolism	Chalmers University of Technology, Göteborg
James Sharpe	Image-driven modelling of multicellular systems	CRG Barcelona
<b>Sep 24, Wed – Chair: Marco Vanoni</b>		
Hans V. Westerhoff	Mapping the systems biology of multifactorial diseases	University of Amsterdam; University of Manchester
Richard Kitney	ISBE: an infrastructure for Systems Biology and Systems Medicine	ISBE Coordinator, Imperial College London
Walter Kolch	CASyM: How to shape Systems Medicine?	CASyM Steering Committee, UCD Dublin
<b>Sep 25, Thu – Chair: Sampsa Hautaniemi</b>		
Marco Vanoni	Signaling and metabolism	SYSBIO Italy; University of Milano-Bicocca
Matteo Barberis	Cell cycling and chromatin dynamics	University of Amsterdam
<b>Sep 26, Fri – Chair: Matteo Barberis</b>		
Damjana Rozman	From healthy to fatty liver: a systems approach	University of Ljubljana
Sampsa Hautaniemi	Analysis and Integration of Large-scale Molecular and Clinical Data in Cancers	University of Helsinki
<b>Sep 27, Sat – Chair: Lilia Alberghina</b>		
Rudi Balling	Systems biology of Parkinson's disease	Luxembourg Centre for Systems Biomedicine
Mikael Benson	Complex disease, omics maps and their clinical implementations	CASyM Steering Committee; University of Göteborg

<b>Tutorials</b>		
<b>Chief tutor</b>	<b>Tutorial title</b>	<b>Additional tutor(s)</b>
<b>Sep 22, Mon</b>		
Chiara Damiani	Tutorial A - Flux Balance Analysis	Dario Pescini, Riccardo Colombo
<b>Sep 23, Tue</b>		
Pasquale Palumbo	Tutorial B - Dynamic models	Valerio Cusimano, Federico Papa
<b>Sep 25, Thu</b>		
Jure Acimovic	Tutorial C - Modeling Tools for Pharmacokinetics and Systems Medicine	Gregor Lorbek
<b>Sep 26, Fri</b>		
Matteo Barberis	Tutorial D - Systems Biology of disease	Alexey Kolodkin, Hans V. Westerhoff

## Opening

Sep 21, Sun

Chair: Hans V. Westerhoff

14:30-16:00	Registration
16:00-16:30	Opening remarks: Lilia Alberghina – SYSBIO Italy Director Giulio Casati – Scientific Director of the Lake Como School of Advanced Studies Cristina Messa – Rector of the University of Milano-Bicocca
16:30-18:00	Opening lecture: “Systems biology of yeast metabolism and evolution” Jens Nielsen – Chalmers University of Technology, Göteborg
18:00-19:00	Welcome drink
19:00	(end of session)