

The 2nd SyBSyM Lake Como School: “Towards Precision Medicine”

FINAL PROGRAM

Lake Como School of Advanced Studies, 26-30 September 2016

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

Web site: <http://sbsm.lakecomoschool.org/>

	Sep 26, Mon	Sep 27, Tue	Sep 28, Wed	Sep 29, Thu	Sep 30, Fri	
	Chair: L. Alberghina	Chair: C. Damiani	Chair: T. Mondeel	Chair: A. Kolodkin	Chair: H. Westerhoff	
8.30-9.30	Registrations					
9.30-11.00	Hans Westerhoff	Sampsa Hautaniemi	Systems Biology models for drug discovery (chairs: D. Rozman, G. Piccialli)	Hans Lehrach	Yeast computer models for precision medicine (chairs: M. Vanoni, M Barberis)	
11.00-11.30	Coffee break			Coffee break		
11.30-12.00	Enzo Medico	Damjana Rozman	Free time	Thomas Burris	Marco Viceconti	
12.00-13.00	Lunch			Lunch		
13.00-14.00	Lunch			Lunch		
14.00-15.30	Giancarlo Mauri	Walter Kolch		Lilia Alberghina	Anneke Koster	
15.30-16.00	Coffee break			Coffee break	<i>Closing remarks – Alberghina</i>	
16.00-16.30	Network analysis (Thierry Mondeel)	Dynamic models (Alexey Kolodkin)		Goodbye coffee		
16:30-18.00				Constraint-based Models (Chiara Damiani)		
18.00-19.00	Welcome drink			Social dinner		

Legend:

Lecture	Break	Social event
Demonstration	Open discussion	Free time

<i>Date</i>	<i>Talk type</i>	<i>Lecturer</i>	<i>Title</i>	<i>Affiliation</i>
26/09/16	Lecture	Hans Westerhoff	Systems biology for precision medicine	Universities of Amsterdam (UvA and VRU), and University of Manchester
	Lecture	Enzo Medico	Integrative analysis and visualization of multidimensional clinical and molecular data for cancer precision medicine	University of Torino, and IRCCS Candiolo
	Lecture	Giancarlo Mauri	Reconstructing cancer progression models	SYSBIO.IT, and University of Milano-Bicocca
	Demonstration	Thierry Mondeel	Network analysis for precision life science: optimising biopolymer production from waste material	University of Amsterdam
27/09/16	Lecture	Sampsa Hautaniemi	Systems biology of drug resistance in cancers	University of Helsinki
	Lecture	Damjana Rozman	Systems approaches to biomedical research: the example of NAFLD	CASyM, University of Ljubljana
	Lecture	Walter Kolch	Using computational models for patient stratification and therapy selection	CASyM, Conway Institute/Systems Biology Ireland
	Demonstration	Alexey Kolodkin	Computing Life in the dynamic models	LCSB - Luxembourg Centre for Systems Biomedicine
28/09/16	Open discussion	<i>“Systems Biology models for drug discovery”</i>		
		Damjana Rozman	Introduction: TBA	CASyM, University of Ljubljana
		Gennaro Piccialli	Introduction: Chemical perspective in drug discovery	SYSBIO.IT, and University of Naples Federico II
29/09/16	Lecture	Hans Lehrach	The virtual patient: key to a truly personalised therapy	Max Planck Institute for Molecular Genetics, Berlin
	Lecture	Thomas P Burris	Targeting Metabolic Pathways with Anti-Cancer Agents	Saint Louis University, USA
	Lecture	Lilia Alberghina	Regulation of Cancer Metabolic Rewiring	SYSBIO.IT, and University of Milano-Bicocca
	Demonstration	Chiara Damiani	Constraint-based Models of Metabolism	SYSBIO.IT, and University of Milano-Bicocca
30/09/16	Open discussion	<i>“Yeast computer models for precision medicine”</i>		
		Marco Vanoni	Introduction: TBA	SYSBIO.IT, and University of Milano-Bicocca
		Matteo Barberis	Introduction: Deciphering the design principles of dynamic cell cycle control	University of Amsterdam
	Lecture	Marco Viceconti	Subject-specific multiscale modelling of neuromusculoskeletal diseases: traveling backward from the bed to the bench	University of Sheffield
	Lecture	Anneke Koster	Systems forensic	Amsterdam University of Applied Sciences
Closing	Lilia Alberghina	Closing remarks	SYSBIO.IT, and University of Milano-Bicocca	

TBA = To Be Announced