

ICSB2008

Programme outline

International Conference on Systems Biology 2008 - at a glance

Friday August 22, 2008	
1000-1800	Tutorial Programme (Chalmers University of Technology, Mathematical Sciences)
Saturday August 23, 2008	
0900-1430	Tutorial Programme (Chalmers University of Technology, Mathematical Sciences)
1500-1800	Opening session (Congress Hall)
1800-2000	Opening reception (Lobby)
2000-2300	Visit to Liseberg amusement part (optional, entry free - attractions on own costs)
Sunday August 24, 2008	
0830-1030	Plenary session 1: Network biology (Congress Hall)
1100-1300	Dedicated session 1-1: Cell-regulation - metabolism (Congress Hall)
1100-1300	Dedicated session 1-2: Standards and repositories (Room J1)
1100-1300	Dedicated session 1-3: Drug discovery (Room G3)
1100-1300	Dedicated session 1-4: Plant systems (Room G2)
1300-1600	Lunch break and coffee with specific activities
1400-1530	Industry needs in systems biology (Room G3)
1400-1600	Speakers corners: morning speakers and previous day afternoon speakers available to meet
1300-1600	Posters, arenas, exhibition
1600-1800	Plenary session 2: Understanding and curing diseases (Congress Hall)
1800-2000	Free viewing posters, arenas, exhibitions
Monday August 25, 2008	
0830-1030	Plenary session 3: Cell regulation (Congress Hall)
1100-1300	Dedicated session 2-1: Cell-regulation - signalling (Room G3)
1100-1300	Dedicated session 2-2: Modelling approaches (Congress Hall)
1100-1300	Dedicated session 2-3: Diagnostic markers and complex diseases (Room J1)
1100-1300	Dedicated session 2-4: Microbial systems (Room G2)
1300-1500	Lunch break and coffee with specific activities
1330-1500	Funding needs and opportunities (Room G3)
1330-1500	Speakers corners: morning speakers and previous day afternoon speakers available to meet
1300-1500	Posters, arenas, exhibition
1500-2300	Excursion to Marstrand and Viking Dinner (requires separate booking - otherwise free evening)
Tuesday August 26, 2008	
0830-1030	Plenary session 4: From cell to organ to organism (Congress Hall)
1100-1300	Dedicated session 3-1: Cell-to-cell variation (Room J1)
1100-1300	Dedicated session 3-2: Synthetic biology (Room G2)
1100-1300	Dedicated session 3-3: Software tools (Congress Hall)
1100-1300	Dedicated session 3-4: Model driven experimental planning (Room G3)
1300-1600	Lunch break and coffee with specific activities
1400-1530	Education in interdisciplinary biology (Room G3)
1400-1600	Speakers corners: speakers of Aug 26 and 27 available to meet
1300-1600	Posters, arenas, exhibition
1600-1800	Plenary session 5: New approaches to biotechnology (Congress Hall)
1800-2000	Free viewing posters, arenas, exhibitions
Wednesday August 27, 2008	
0830-1030	Plenary session 6: Genetic variation and evolution (Congress Hall)
1100-1300	Plenary session 7: Future challenges (Congress Hall) Sponsored by Novozymes
1330-2030	Workshop Programme (Wallenberg Conference Centre Medicinarberget)
Thursday August 28, 2008	
0830-1800	Workshop Programme (Wallenberg Conference Centre Medicinarberget)

FEBS 2010

Programme outline

FEBS2010 Congress programme outline

	Saturday, June 26	Sunday, June 27	Monday, June 28
08.30–11.00		<p>Symposium A Molecules in Health and Disease A1 – Ageing, Congress Hall</p> <p>Symposium B Molecular Networks B1 – Metabolic networks, Hall G3</p> <p>Symposium C Molecules at Work C1 – Molecular Machines, Hall G4</p> <p>Symposium D Cellular Compartments D1 – Secretory pathways, Hall G2</p> <p>Symposium E Biomolecular Design and Function E1 – Synthetic Biology, Hall J1</p>	<p>Symposium A Molecules in Health and Disease A2 – Molecular Immunology, Congress Hall</p> <p>Symposium B Molecular Networks B2 – Signal Transduction, Hall G3</p> <p>Symposium C Molecules at Work C2 – Biological Cycles, Hall G4</p> <p>Symposium D Cellular Compartments D2 – Mitochondria, Hall G2</p> <p>Symposium E Biomolecular Design and Function E2 – Molecular Recognition, Hall J1</p>
11.00–11.30		Coffee Break	Coffee Break
11.30–12.30	Registration 12.00–18.30	Plenary Lecture EMBO Lecture, Congress Hall <i>Uri Alon</i>	Plenary Lecture IUBMB Lecture, Congress Hall <i>Susan Lindquist</i>
12.30–13.00		Lunch Service, Hall H	Lunch Service, Hall H
13.00–15.30		Poster exhibition and discussions Hall H, G2, G3, G4	Poster exhibition and discussions Hall H, G3, G4
		Speakers corner, C-Balkongen	Speakers corner, C-Balkongen
		Activities by FEBS working groups Science and Society, Hall J1 Biofuels	Activities by FEBS working groups Education, Hall J1 Research, Teaching, Learning
			Young Scientist Forum, Hall G2 Scientific Careers 13.30–15.00
			Research-Oriented Education at High Schools, Hall J1 15.40–18.00
15.30–17.00	Opening speeches 16.30–17.00 Congress Hall	Technology Workshops (3 parallel sessions) • Protein expression, Hall G2 • Life cell imaging, Hall G3 • Bioinformatics, Hall G4	Technology Workshops (3 parallel sessions) • Proteomics technologies, Hall G3 • Metabolomics, Hall G2 • Dynamic modelling, Hall G4
17.15–19.15	Nobel Laureate Lecture, Congress Hall <i>Roger Tsien</i> 17.00–18.00	Plenary Lectures Nobel Laureate Lecture, Congress Hall <i>John Walker</i>	Plenary Lectures Nobel Laureate Lecture, Congress Hall <i>Elizabeth Blackburn</i>
	Opening mixer 18.00–20.00, Hall H	Bücher Lecture, Congress Hall <i>Svante Pääbo</i>	Special event, Congress Hall <i>Uri Alon</i> (and his guitar)
19.30–23.00		Evening events FEBS dinner, Blomstermåla, Särö (on invitation)	

	Tuesday, June 29	Wednesday, June 30	Thursday, July 1
08.30–11.00	<p>Symposium A Molecules in Health and Disease A3 – Metabolic Diseases, Congress Hall</p> <p>Symposium B Molecular Networks B3 – Global Networks, Hall G3</p> <p>Symposium C Molecules at Work C3 – Extracellular structures, Hall J1</p> <p>Symposium D Cellular Compartments D3 – Endocytosis, Hall G2</p> <p>Symposium E Biomolecular Design and Function E3 – Design of Macromolecules, Hall G4</p>	<p>Symposium A Molecules in Health and Disease A4 – Neurobiology, Hall G3</p> <p>Symposium B Molecular Networks B4 – Gene regulation, Congress Hall</p> <p>Symposium C Molecules at Work C4 – Membrane Transport, Hall G4</p> <p>Symposium D Cellular Compartments D4 – Nucleus, Hall G2</p> <p>Symposium E Biomolecular Design and Function E4 – Folding, Hall J1</p>	<p>Symposium A Molecules in Health and Disease A5 – Infectious Diseases, Congress Hall</p> <p>Symposium B Molecular Networks B5 – Regulation of protein function, Hall G3</p> <p>Symposium C Molecules at Work C5 – Energy transduction, Hall G2</p> <p>Symposium D Cellular Compartments D5 – Chloroplasts, Hall G4</p> <p>Symposium E Biomolecular Design and Function E5 – Catalytic Mechanisms, Hall J1</p>
11.00–11.30	Coffee Break	Coffee Break	Coffee Break
11.30–12.30	Plenary Lecture KREBS Medal Lecture, Congress Hall <i>Harald Stenmark</i>	Plenary Lecture DATTA Medal Lecture, Congress Hall <i>Juleen Zierath</i>	Plenary Lecture Nobel Laureate Lecture, Congress Hall <i>Venki Ramakrishnan</i>
12.30–13.00	Lunch Service, Hall H	Lunch Service, Hall H	Closing ceremony 12.30–13.00 Congress Hall
13.00–15.30	Poster exhibition and discussions Hall H, G2, G3, G4	Poster exhibition and discussions Hall H, G3, G4	
	Speakers corner, C-Balkongen	Speakers corner, C-Balkongen	
	Tutorials and Events & Corporate Seminars NMR and Biology – In Interaction, Congress Hall	Tutorials and Events & Corporate Seminars Database taster (by the EBI), Hall G2	FEBS Council meeting, Hall G4 continues July 2, (on invitation only)
	Activities by FEBS working groups Education, Hall J1 Practical Systems Biology	Activities by FEBS working groups Women in Science, Gender in Science, Hall J1	
15.30–17.00	Technology Workshops (3 parallel sessions) • Protein interactions, Hall G3 • Lipidomics, Hall G2 • Applying sequencing technologies, Hall G4	Technology Workshops (3 parallel sessions) • Protein structures, Hall G3 • Molecular imaging, Hall G2 • Network modelling, Hall G4	
17.15–19.15	Plenary Lectures Award Lectures, Congress Hall <i>Mercedes Munkonda, Hideo Iwai</i>	Plenary Lecture Women in Science Award, Congress Hall <i>Ingrid Grummt</i>	
	Svedberg 2010 Lecture, Congress Hall <i>Per Jemth</i>		
19.30–23.00	Evening events Midsummer party, Trädgårdsföreningen (sep. payment)		

ICSB2010

Programme outline

Sunday's Programme at a Glance

Sunday 10 October

Time	Pentland Suite			
	Pentland Auditorium	Sidlaw	Fintry	Tinto
08:30 - 12:30	Tutorial 5	Tutorial 7	Tutorial 1	Tutorial 8
12:30 - 13:30	Break			
13:30 - 17:30				Tutorial 15
17:30 - 18:00	Break			
18:00 - 20:00	Opening Ceremony Nigel Brown, Igor Goryanin & Ursula Klingmüller OS1.1			
	Moorfoot	Kilsyth	Carrick 1	Carrick 2
08:30 - 12:30	Tutorial 9	Tutorial 4	Tutorial 11	Tutorial 12
12:30 - 13:30	Break			
13:30 - 17:30	Tutorial 19	Tutorial 13	Tutorial 14	Tutorial 18
17:30 - 18:00	Break			
	Carrick 3	Ochil 1	Ochil 2	Ochil 3
08:30 - 12:30	Tutorial 2	Tutorial 3	Tutorial 10	Tutorial 16
12:30 - 13:30	Break			
13:30 - 17:30	Tutorial 20	Tutorial 21	Tutorial 22	Tutorial 17
17:30 - 18:00	Break			
	Cromdale Hall			
20:00 - 22:00	Welcome Reception			

Monday's Programme at a Glance

Monday 11 October

Time	Pentland Suite				Cromdale Hall
	Pentland Auditorium	Sidlaw	Fintry	Tinto	
08:30 - 09:30	Plenary Session 1 Dr Steve Kay PL1.1				
09:30 - 10:00	Coffee Break in Cromdale				
	Parallel Session 1 Applications in Medicine <i>Co-Chairs:</i> David Harrison Gordon Mills	Parallel Session 2 Functional Genomics and Biological Networks <i>Co-Chairs:</i> Jean Beggs Mike Tyers	Parallel Session 3 Computational Theory in Systems Biology <i>Co-Chairs:</i> Mark Girolami Jane Hillston	Parallel Session 4 The Spatial Dimensions of Intracellular Dynamics <i>Chair:</i> Martin Howard	
10:00 - 10:30	David Harrison PS1.1	Lars Steinmetz PS2.1	Michael Stumpf PS3.1	Jonathon Howard PS4.1	
10:30 - 11:00	Gordon Mills PS1.2	Jürg Bähler PS2.2	Jasmin Fisher PS3.2	Karsten Kruse PS4.2	
11:00 - 11:30	Stefan Schuster PS1.3	Tim Hughes PS2.3	Julien Ollivier PS3.3	Andrew Goryachev PS4.3	
11:30 - 12:00	Sven Nelander PS1.4		Julie Ahringer PS2.4		Clive Bowsher PS3.4
	Andrey Morgun PS1.5	Magnus Rattray PS3.5			
12:00 - 13:30	Lunch				
13:30 - 14:30	Plenary Session 2 Dr Thomas Pollard PL2.1				
14:30 - 15:00	Coffee Break in Cromdale				
	Parallel Session 1 Applications in Medicine <i>Co-Chairs:</i> David Harrison Gordon Mills	Parallel Session 2 Functional Genomics and Biological Networks <i>Co-Chairs:</i> Jean Beggs Mike Tyers	Parallel Session 3 Computational Theory in Systems Biology <i>Co-Chairs:</i> Mark Girolami Jane Hillston	Parallel Session 4 The Spatial Dimensions of Intracellular Dynamics <i>Chair:</i> Andrew Goryachev	
15:00 - 15:30	Andrei Zinovyev PS1.6	Mark Biggin PS2.5	François Fages PS3.6	Philippe Bastiaens PS4.5	
15:30 - 16:00	Dana Faratian PS1.7	David Amberg PS2.6 Bernd Bodenmiller PS2.7			Andrzej Kierzek PS3.7
16:00 - 16:30	Niels Grabe PS1.8	Brenda Andrews PS2.8	Elisenda Feliu PS3.8	Lutz Brusch PS3.7	
16:30 - 17:00	Stanley Shaw PS1.9		Philip Hieter PS2.9	Jean Peccoud PS3.9	Brian Drawert PS3.8
	Ben-Fillippo Krippendorff PS1.10	Bernie Daigle Jr PS3.10		Tyler Drake PS3.9	
17:00 - 19:00		Session 2 Invited Speakers are sponsored by: UNICELLSYS			Poster Session P01.01 - P01.749

Tuesday's Programme at a Glance

Tuesday 12 October

Time	Pentland Suite				Cromdale Hall
	Pentland Auditorium	Sidlaw	Fintry	Tinto	
08:30 - 09:30	Plenary Session 3 Dr Luis Serrano PL3.1				
09:30 - 10:00	Coffee Break in Cromdale				
	Parallel Session 5 Biomedical Simulations <i>Co-Chairs:</i> Jacques Demongeot Albert Goldbeter	Parallel Session 6 Understanding the Brain Function <i>Co-Chairs:</i> Douglas Armstrong Nicolas Le Novere	Parallel Session 7 Computational Methods and Tools <i>Co-Chairs:</i> Sophia Ananiadou Pedro Mendes	Parallel Session 8 Cell Signalling Dynamics <i>Co-Chairs:</i> Boris Kholodenko Hans Westerhoff	
10:00 - 10:30	Michael Mackey PS5.1	Jean-Antoine Girault PS6.1	Andrey Rzhetsky PS7.1	Mariko Hatakeyama PS8.1	
10:30 - 11:00	Francis Levi PS5.2	Nicolas Le Novere PS6.2	Ursula Kummer PS7.2	Walter Kolch PS8.2	
11:00 - 11:30	Luis Mendoza PS5.3	Angus Silver PS6.3	Joerg Schaber PS7.3	Tim Elston PS8.3	
11:30 - 12:00	Marike Boer PS5.4		Jeannette Kotaleski PS6.4		Dominik Lutter PS7.4
	Tilo Buschmann PS5.5	Holger Perfahl PS7.5			
12:00 - 13:30	Lunch				
13:30 - 14:30	Plenary Session 4 Professor David Rand PL4.1				Supported by: 
14:30 - 15:00	Coffee Break in Cromdale				
	Parallel Session 5 Biomedical Simulations <i>Co-Chairs:</i> Jacques Demongeot Albert Goldbeter	Parallel Session 6 Understanding the Brain Function <i>Co-Chairs:</i> Douglas Armstrong Nicolas Le Novere	Parallel Session 7 Computational Methods and Tools <i>Co-Chairs:</i> Sophia Ananiadou Pedro Mendes	Parallel Session 8 Cell Signalling Dynamics <i>Co-Chairs:</i> Boris Kholodenko Hans Westerhoff	
15:00 - 15:30	Geneviève Dupont PS5.6	Dongkwan Shin PS6.5	Tom Freeman PS7.6	Nils Blüthgen PS8.5	
15:30 - 16:00	Thomas Höfer PS5.7	Britta Goebel PS6.6	Sophia Ananiadou PS7.7	Frank Bruggeman PS8.6	
		Kui Qian PS6.7			
16:00 - 16:30	Daniel Victor Guebel PS5.8	Douglas Armstrong PS6.8	Catherine Lichten PS7.8	Kwang-Hyun Cho PS8.7	
Fedor Kolpakov PS5.9	Eva Balsa-Canto PS7.9		Karen van Eunen PS8.8		
16:30 - 17:00	Claude Gérard PS5.10	Erich Wanker PS6.9	Douwe Molenaar PS7.10	Verena Becker PS8.9	
17:00 - 19:00					Poster Session P02.02 - P02.748

Wednesday's Programme at a Glance

Wednesday 13 October

Time	Pentland Suite			
	Pentland Auditorium	Sidlaw	Fintry	Tinto
08:30 - 09:30	Plenary Session 5 Mike Tyers PL5.1			
09:30 - 10:00	Coffee Break in Cromdale			
	Parallel Session 9 Systems Biology in Health and Disease <i>Chair:</i> Matej Oresic	Parallel Session 10 Parameterising Proteomics <i>Co-Chairs:</i> Rob Beynon Simon Hubbard	Parallel Session 11 Biological Rhythms <i>Co-Chairs:</i> Andrew Millar Hanspeter Herzel	Parallel Session 12 Combinatorial Multi-scale Systems Responses in Biology and Medicine <i>Chair:</i> Peter Ghazal
10:00 - 10:30	Iya Khalil PS9.1	Marc Vidal PS10.1	John Hogenesch PS11.1	Richard Baldock PS12.1
10:30 - 11:00	Marta Cascante PS9.2	Christian von Mering PS10.2	Markus Kollmann PS11.2	Jane Hillston PS12.2
11:00 - 11:30	Thomas Handorf PS9.3	Mike White PS10.3	Pal Westermark PS11.3	Iain Fraser PS12.3
11:30 - 12:00	Julio Saez-Rodriguez PS9.4		Simon Hubbard PS10.4	
	Ines Thiele PS9.5	Carl Troein PS11.5		Vincent Danos PS12.4
12:00 - 13:30	Session on the Industry Needs See page 74			Lunch
13:30 - 14:30	Plenary Session 6 Mike Levine PL6.1			
14:30 - 15:00	Coffee Break in Cromdale			
	Parallel Session 9 Systems Biology in Health and Disease <i>Chair:</i> Marta Cascante	Parallel Session 10 Parameterising Proteomics <i>Co-Chairs:</i> Rob Beynon Simon Hubbard	Parallel Session 11 Biological Rhythms <i>Co-Chairs:</i> Andrew Millar Hanspeter Herzel	Parallel Session 12 Combinatorial Multi-scale Systems Responses in Biology and Medicine <i>Chair:</i> Vincent Danos
15:00 - 15:30	Decio Eizirik PS9.6	Paola Picotti PS10.5	Andrew Oates PS11.6	James Faeder PS12.5
15:30 - 16:00	Matej Oresic PS9.7	Muriel Coccagn-Bousquet PS10.6	Bela Novak PS11.7	Jean Krivine PS12.6
16:00 - 16:20	Suzanne Geenen PS9.8	Victor Andreev PS10.7	Matteo Barberis PS11.8	Leah Band PS12.7
16:20 - 16:40	Santiago Schnell PS9.9	Thierry Le Bihan PS10.8	Michaela de Clare PS11.9	Imran Shah PS12.8
16:40 - 17:00	Lei Yang PS9.10	Philipp Lange PS10.9	Douglas Murray PS11.10	Marco Morelli PS12.9

Thursday's Programme at a Glance

Thursday 14 October

Time	Pentland Suite					
	Pentland Auditorium	Sidlaw	Fintry	Tinto	Moorfoot	Kilsyth
08:30 - 09:30	Plenary Session 7 Sydney Brenner PL7.1					
09:30 - 10:00	Coffee Break in Cromdale					
	Parallel Session 13 Engineering Aspects in Systems Biology <i>Co-Chairs:</i> Tae Yong Kim Jens Nielsen	Parallel Session 14 Systems Biology and Metabolism <i>Co-Chairs:</i> Douglas Kell Uwe Sauer	Parallel Session 15 Systems Science Behind Medical Application in Industry <i>Co-Chairs:</i> Pierre De Meyts Don Stanski	Parallel Session 16 Biological Noise and Cellular Decision-Making <i>Co-Chairs:</i> Mans Ehrenberg Peter Swain		
10:00 - 10:30	Jens Nielsen PS13.1	Jules Griffen PS14.1	Steen Hvass Ingwersen PS15.1	Roy Kishony PS16.1		
10:30 - 11:00	Diethard Mattanovich PS13.2	Pedro Mendes PS14.2	Vladislav Kiselyov PS15.2	Tetsuya Kobayashi PS16.2		
				James Locke PS16.3		
11:00 - 11:20	Andreas Kremling PS13.3	Matthias Heinemann PS14.3	Graham Smith PS15.3	Theodore Perkins PS16.4		
11:20 - 11:40	Vitor Martins dos Santos PS13.4	Pinar Pir PS14.4	Neil Benson PS15.4	Rosalind Allen PS16.5		
11:40 - 12:00	Ronan Fleming PS13.5	Edda Klipp PS14.5	Lars Kuepfer PS15.5	Martin Hoffmann PS16.6		
12:00 - 13:30	Lunch					
13:30 - 14:30	Plenary Session 8 Aldons J. Lusis PL8.1			<i>Kindly supported by an unrestricted educational grant by GENESYS</i>		
14:30 - 15:00	Coffee Break in Cromdale					
	Parallel Session 13 Engineering Aspects in Systems Biology <i>Co-Chairs:</i> Tae Yong Kim Jens Nielsen	Parallel Session 14 Systems Biology and Metabolism <i>Co-Chairs:</i> Douglas Kell Uwe Sauer	Parallel Session 15 Systems Science Behind Medical Application in Industry <i>Co-Chairs:</i> Pierre De Meyts Don Stanski	Parallel Session 16 Biological Noise and Cellular Decision-Making <i>Co-Chairs:</i> Mans Ehrenberg Peter Swain		
15:00 - 15:30	Tae Yong Kim PS13.6	Joshua Rabinowitz PS14.6	Matthias Machacek PS15.6	Victor Sourjik PS16.7	GENESYS Poster Session	
15:30 - 16:00	Christoph Whittman PS13.7	Wolfram Weckwerth PS14.7	Henning Schmidt PS15.7	Franziska Matthaeus PS16.8		
16:00 - 16:20	Juan Castrillo PS13.8	Jörg Büscher PS14.8	Hitesh Mistry PS15.8	Peter Rein ten Wolde PS16.9		
16:20 - 16:40	Alessandro Abate PS13.9	Johann Rohwer PS14.9	Avijit Ghosh PS15.9	Darren Wilkinson PS16.10		
16:40 - 17:00	Pietro Lio PS13.10	Maia Donahue PS14.10	Ewan Hunter PS15.10	Nacho Molina PS16.11		
17:00 - 17:15	Break					
17:15 - 18:15	Closing Ceremony Tony Hey					
18:15 - 20:00					GENESYS Reception	

ICSB2011

Programme outline

ICSB2011

SCHEDULE OVERVIEW

TIME	SUNDAY 28 August	MONDAY 29 August	TUESDAY 30 August	WEDNESDAY 31 August	THURSDAY 1 September
08:30-10:30	08:30-13:30 Workshops and Tutorials in Heidelberg (continued from Saturday)	Plenary Session 2: Structure of Life - Philippe Bastiaens - Gaudenz Danuser - Josef A. Käs	Plenary Session 3: How to Connect - Yitzhak Pilpel - Rob de Boer - Sandro J. de Souza	Plenary Session 4: Metabolism and More - Eytan Ruppin - Uwe Sauer - Judy Armitage	Plenary Session 6: The Complex Side of Life - Naama Barkai - Klaus Tschira - Foundation Lecture - Peer Bork - Andrew J. Millar
10:30-11:00		Coffee Break	Coffee Break	Coffee Break	
11:00-13:00		Parallel Sessions 1	Parallel Sessions 3	Parallel Sessions 4	Coffee Break Honorary Lecture - Alexander van Oudenaarden Closing Ceremony
13:00-15:00	Opening of Registration	Lunch Break and Coffee, Industry Exhibition, Science Arena and Posters 14:00-14:45 Industry Lecture: Dieter Münk, Vice President IBM Storage	Lunch Break and Coffee, Industry Exhibition, Science Arena and Posters Poster Session II Sponsored by Selventa 14:30-16:00 INDUSTRY SESSION	Lunch Break and Coffee, Industry Exhibition, Science Arena and Posters 13:30-15:00 Workshop by Mathworks: Modeling in Biotech, Pharma and Academic Research Using SimBiology and MATLAB 14:00-15:00 Session by Nature Publishing Group: How to Get Published	
15:00-16:00	Opening Ceremony - Roland Eils, Conference President - Helge Braun, Parliamentary State Secretary BMBF - Simone Schwanitz, MWK BW - Otmar D. Wiestler, Vice-President Helmholtz Association	Honorary Lecture: - James H. Simons		Parallel Sessions 5	Workshops and Tutorials in Heidelberg (continues till Friday)
16:00-17:00	Plenary Session 1: SB Unlimited - Jean Peccoud - Markus Covert	Plenary Lecture: Genetic Networks - Trey Ideker	Conference Excursion to Heidelberg (incl. Boat Trip on the Neckar)		
17:00-18:00	Coffee Break	Parallel Sessions 2		Coffee break	
18:00-19:00	Plenary Session 1: SB Unlimited - Kim Sneppen			Plenary Session 5: Last Minute Plenary Session (in Cooperation with Molecular Systems Biology)	
19:00-20:00	Honorary Lecture - Roger Y. Tsien Supported by Chroma Technology Corp.	Evening Poster Session I Sponsored by Selventa Industry Exhibition and Science Arena Open			
20:00	Welcome Reception Sponsored by ACS Publications	19:00-21:00 Workshop Raytest Iso-topenmessgeräte GmbH: Imagestream Bio:Fiction@ICSB2011- Mannheim, Award-Winning Filmlets on Synthetic Biology and Panel Discussion	Conference Dinner @ Castle Heidelberg	20:00 Sysbio Party Night Sponsored by Chroma Technology Corp. and Nikon GmbH Deutschland with Party Lecture by Hiroaki Kitano, Live Music and Grill	

Please note that besides the dedicated exhibition hours, Industry Exhibition, Science Arena and Poster Area will be open throughout the conference until Wednesday afternoon.

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WELCOME NOTE

Federal Minister of Education and Research, Prof. Dr. Annette Schavan, MdB

WELCOME NOTE

Conference President, Prof. Dr. Roland Eils

ICSB2011 ORGANIZING & SCIENTIFIC COMMITTEE

ICSB2011 CONTACT

ICSB2011 SCHEDULE

SUNDAY, August 28

MONDAY, August 29

TUESDAY, August 30

WEDNESDAY, August 31

THURSDAY, September 1

CVs SPEAKER

ICSB2011 WORKSHOP PROGRAM

SATURDAY, August 27

SUNDAY, August 28

THURSDAY, September 1

FRIDAY, September 2

INDUSTRY ACTIVITIES

Industry Special and Industry Session Abstracts

ICSB2011 INDEX SPEAKERS

SOCIAL AND TOUR PROGRAM

SOCIAL PROGRAM

TOUR PROGRAM

VENUE

Rosengarten Conference Center



**Functional genomics
conference on
Chemical biology 2009
Programme outline**

10th FUNCTIONAL GENOMICS CONFERENCE

CHEMICAL BIOLOGY – MOLECULES TO PROBE LIFE

SCIENTIFIC PROGRAM

Day 1; Monday 24/8

8.00 – 9.00 Registration

9.00 – 9.10 Welcome and introduction

Session I: “**Chemical biology of signal transduction**”

Chairperson: Laura Kiessling

9.10 – 9.50 Kevan Shokat (Univ. California San Francisco, USA)
“**Chemical genetic analysis of kinase signaling networks**”

9.50 – 10.30 Anton Simeonov (NIH, USA)
“**The NIH chemical genomics center: bringing advanced technologies to academic probe and lead discovery**”

10.30 – 11.00 *Coffee/Posters/Exhibition*

11.00 – 11.40 Michael Famulok (Univ. Bonn, DE)
“**The chemical biology of small GEF function**”

11.40 – 12.00 Sonia Lain (Univ. Dundee, UK)
“**Discovery, *in vivo* activity, and mechanism of action of small molecule p53 activators**”

12.00 – 13.20 *Lunch/Posters/Exhibition*

13.20 – 14.00 Kip Guy (St Jude’s Hospital, USA)
“**Manipulating the function of nuclear hormone receptors after ligand binding**”

Day 1; Monday 24/8

Session II: **“Probing cell-cell communication”**

Chairperson: Carsten Schultz

- 14.00 – 14.40 Laura Kiessling (Univ. Wisconsin, USA)
“Chemical probes of carbohydrate biosynthesis in Mycobacteria”
- 14.40 – 15.00 Ulf Nilsson (Univ. Lund, SE)
“High-affinity and selective compounds for studies of galectin biology and molecular recognition mechanisms”
- 15.00 – 15.20 Christopher Southan (ChrisDS Consulting, SE)
“Quantitative assessment of the expanding complementarity between public and commercial databases of bioactive compounds”
- 15.20 – 15.50 *Coffee/Posters/Exhibition*
- 15.50 – 16.10 Michael Elofsson (Univ. Umeå, SE)
“Targeting toxin delivery - small molecule inhibitors of type III secretion in gram-negative bacteria”
- 16.10 – 16.30 Annika Jenmalm Jensen (BioVitrum/KI, SE)
“Identification of the BioVitrum FPRL1 agonists as pro-inflammatory mediators”
- 16.30 – 17.10 Ronald Raines (Univ. Wisconsin, USA)
“Enzymes as chemotherapeutic agents”

Boat trip to Älvsborg fortress, dinner (optional)

- 17.30 Bus leaves for harbour
18.00 Boat leaves for island

Session III: “Assessing biological function”

Chairperson: Kip Guy

- 9.00 – 9.40 Guri Giaever (Univ. Toronto, CAN)
“Chemogenomic tools to understand drug action and gene function”
- 9.40 – 10.00 Henrik Pavia (Univ. Gothenburg, SE)
“Chemical mediation of biological invasion by the red alga *Bonnemaisonia hamifera*, a candidate species for applied secondary metabolite production”
- 10.00 – 10.20 Morten Grøtli (Univ. Gothenburg, SE)
“Development of kinase inhibitors - tools for dissecting the HOG1 pathway.”
- 10.20 – 11.00 *Coffee/Posters/Exhibition*
- 11.00 – 11.40 Carsten Schultz (EMBL, DE)
“Probe development for visualisation and modulation of cell functions”
- 11.40 – 12.00 Fredrik Almqvist (Univ. Umeå, SE)
“Pilicides and curlicides – novel antibacterial agents targeting bacterial virulence”
- 12.00 – 13.20 *Lunch*
- 13.20 – 14.00 Corey Nislow (Univ. Toronto, CAN)
“Modulating gene dose to understand drug action in yeast and man”
- 14.00 – 15.00 **Panel discussion: “What benefits will chemical biology (approx) bring in the next five years?”**

Conference closure

**Gothenburg Life
Science Conference on
Industrial Systems
Biology 2010
Programme outline**

Scientific Program

Thursday, August 19

08:00 – 09:00

Registration

09:00 – 09:15

Welcome and registration

Jens Nielsen, Conference Chair, Chalmers

Stefan Bengtsson, Vice President of Chalmers

Session I: Impact of Systems Biology on Industrial Biotechnology

Chairperson: Stefan Hohmann, University of Gothenburg

09:10 – 09:50

Jens Nielsen, Chalmers University

“Genome-scale metabolic networks: The core of Industrial Systems Biology“ (S1)

09:50 – 10:30

Vassily Hatzimanikatis, EPFL

“The Impact of Computational Systems Biology on Industrial Biotechnology“ (S2)

10:35 – 11:15

COFFEE, POSTERS and EXHIBITION

11:00 – 11:20

Kiran Patil, DTU

“Metabolic engineering of *Saccharomyces cerevisiae* – From in silico models in vivo cell factories“ (S3)

11:20 – 11:40

Matthias Heinemann, ETH Zürich

“Bistability in *E. coli*'s central metabolism“ (S4)

11:40 – 12:00

Elmar Heinzle, Saarland University

“Engineering Mixed Substrate Uptake by *C.glutamicum*“ (S5)

12:00 – 13:00

LUNCH, POSTERS and EXHIBITION

Scientific Program

Session II: Sustainable production of chemicals

Chairperson: Dina Petranovic, Chalmers University

13:20 – 14:00	Sang Yup Lee, KAIST “Systems Metabolic Engineering of E. Coli for the production of Polymers” (S6)
14:00 – 14:30	Christoph Wittmann, TU Braunschweig “Towards next-generation bioprocesses – Systems-wide metabolic engineering of the industrial working horse Corynebacterium glutamicum for superior production” (S7)
14:30 – 15:00	Andrew C. Eliot, DuPont “Approaches to metabolic engineering of organisms for chemical production” (S8)
15:00 – 15:30	COFFEE, POSTERS and EXHIBITION
15:30 – 16:00	Alan Berry, Novozymes “Application of metabolic engineering to the production of renewable chemicals” (S9)
16:00 – 16:20	Verena Siewers, Chalmers University “Secondday Metabolic production in Yeast” (S10)
16:20 – 16:40	Jochen Förster, Fluxome “Production of resveratrol using Saccharomyces cerevisiae” (S11)
16:40 – 17:00	Erik Appelman, Perstorp “Chemical versus biotech production of butanol” (S12)
Boat trip to Älvsborg fortress, dinner (Optional)	
17:30	Bus leaves for harbor
18:00	Boat leaves for Island

Scientific Program

Friday, August 20

Session III: Production of biofuels

Chairperson: Jens Nielsen, Chalmers

09:00 – 09:40	Jay Keasling, JBEI & UC Berkeley “Engineering microbial metabolism for production of advanced biofuels” (S13)
9:40 – 10:20	Greg Stephanopoulos, MIT “Challenges in biofuel production from renewable feedstocks” (S14)
10:20 – 11:00	COFFEE, POSTERS and EXHIBITION
11:00 – 11:40	Jack Pronk, TU Delft “Saccharomyces cerevisiae: A versatile Metabolic Engineering platform for bulk chemicals production” (S15)
11:40 – 12:00	Gunnar Liden, University of Lund “Adapting the yeast to the process environment – or vice versa? (S16)
12:00 – 12:30	John Pierce, BP “Advancing biofuels” (S17)
12:30 – 14:00	LUNCH, POSTERS and EXHIBITION
13:00 – 14:00	Press Conference – Upon invitation only

Scientific Program

14:00 – 14:30	Karl Sanford, Genencor/Danisco “Design and Operation of a Cell Factory to Produce Isoprene” (S18)
14:30 – 14:50	Lisbeth Olsson, Chalmers University “Microorganisms for bioethanol production – From lab medium to large scale lignocellulosic fermentations” (S19)
14:50 – 15:10	Michael Leavell, Amyris “Microbial production of renewable diesel fuel: The role of industrials systems biology in strain benchmarking and improvement” (S20)
15:10	Conference closure
15:30 – 17:00	Round Table Discussion: Industrial Biotechnology – A Swedish Perspective – Upon invitation only Promoter: Jens Nielsen, Chalmers

Workshop1

**What is needed for
Systems Biology to
enter the clinic?**

Programme outline

FutureSysBio Workshop

“What is needed for systems biology to enter the clinic?”

Wednesday, November 19

Informal get-together in the evening

Thursday, November 20

0900-0915 Welcome

0915-1000 Overview and perspectives

1000-1100 Roundtable introductions

1100-1115 Coffee

1115-1230 Introduction to questions

1230-1330 Lunch

1330-1530 Discussion in groups (incl coffee)

1530-1700 Presentations

1700-1800 Plenum discussions

1800-1900 Write up

1900- Dinner

Friday, November 21

0830-1200 Further discussions, write up, open

1200-1300 Lunch

1300 End and departure

Workshop2

**Defining modelling
strategies for systems
biology**

Programme outline

FutureSysbio Workshop: Defining Modeling Strategies

January 20-21, Göteborg, Sweden

Objectives:

Mathematical modelling of biological networks and processes is still in its early phases. The field requires novel approaches for abstraction, for modelling bioprocesses that follow different biochemical and biophysical rules, and for combining different modules into larger models that still allow realistic simulation with the computational power available today.

This workshop should bring together experts from mathematics, theoretical physics, systems science, engineering and computer sciences, and industry participants. Focus will be very much on open discussions and brainstorming around specific topics and questions.

The outcome of the workshop will be documented and disseminated in various reports to different target groups and as a publication in a suitable scientific journal.

Dinner on Wednesday Jan19@19:30

Babar Restaurant
Kungsportsavenyn 29

Agenda

January 20

- 9:00 Welcome note
- 9:10 Informal presentations
 - Pedro Mendes TBA
 - Frank Tobin "Some Computational Challenges in Parameter Determination for Modeling"
- 10:00 Coffee break
- 10:30 Informal presentations
 - Jörg Stelling TBA
 - Edda Klipp TBA
 - Matthias Heinemann "How to get from rough topological knowledge and little/insufficient data to kinetic models of larger systems?"
- 12:00 Lunch
- 13:00 Informal presentations
 - Natasa Przulj "Graph-theoretical modelling of biological networks"
 - Riccardo Zecchina "Advanced distributed algorithms for Systems Biology"
- 14:00 Post-it: Keywords distribution on whiteboard
- 15:00 coffee break
- 15:30 Open discussion / informal presentations
- 18:00 Dinner @ Chalmersska Huset

January 21

9:00	Group writing
10:00	Coffee break
10:30	Going through notes
12:00	Lunch
13:00	writing up a report/paper
15:00	Departure

Venue:

Chalmersska Huset, Södra Hamngatan 11

Financing:

The FutureSysBio project will cover all participants' costs (flight, hotel and meals) as far as they are within the usual range (economy class ticket)

Reimbursements:

Send your receipts to:

Erica Dahlin

Chalmers University of Technology

Department of Chemical and Biological Engineering

Kemivägen 10

SE-412 62 Göteborg

Sweden

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Workshop3
Protein-Protein
Interaction
Annotation Jamboree
Programme outline

Protein-Protein Interaction Annotation Jamboree

September 23-25

Chalmers University of Technology, Gothenburg, Sweden

Objectives

There are several high-throughput studies on protein-protein interactions and there are several databases collecting interaction information, with the BioGRID being the most comprehensive collection of information as it also includes annotation of individual interactions. However, there are currently only sparse efforts on collecting information about directional interactions, protein state dependent interaction, protein complex dependent interactions etc. The research group of Kitano has initiated an effort to establish a genome-wide interaction map for the yeast *S. cerevisiae* that takes this into account, and recently the group of Nielsen has also started to establish a map around four key protein kinases in this yeast. Such map will serve as important scaffold for integrated data analysis as well as for building detailed kinetic models of specific signal transduction pathways. In order to establish a consensus network, and a coordinated push forward in this field an annotation jamboree at Chalmers, Sweden, is planned for September 23-25. The results of the jamboree will be collected into a consensus protein-protein interaction network that will form the basis for a publication.

Program

A program for the jamboree is

September 23

- 14:00 Objectives and plan for the workshop, Jens Nielsen and Goutham Vemuri
- 14:30 Short presentation about BioGRID, Andrew Winter
- 15:00 Coffee break
- 15:30 Plenum discussion about setting standards for protein states, protein complexes etc.
- 19:00 Dinner at conference center

September 24

- 09:00 Introduction and status on CellDesigner, Hiroaki Kitano
- 09:30 Annotation of protein-protein interaction networks
Will take place in smaller groups that focus on different parts, e.g. apoptosis, cell cycle, Snf1/Pka1, Tor1/N-regulation, MAPK, ...
The group discussions will be interrupted by shorter plenum meetings where interactions between the smaller networks are being discussed
- 10:30 Coffee break
- 11:00 Continued work
- 12:00 Lunch
- 13:00 Continuation of annotation from the morning; Coffee break at 15:00
- 19:00 Dinner in **Pasta +** restaurant, Södra Vägen 2, Gothenburg

September 25

09:00	Plenum discussions and presentations from the groups
10:30	Coffee break
11:00	Continued annotation
12:00	Lunch
13:00	Conclusions and round-off
14:00	Departure

Software platform

It is proposed to use CellDesigner as a software platform for the annotation as this will allow easy transfer to SMBL format as well as to Cytoscape. Payao/Payaologue may be a possible platform for collective annotation work as it works closely with CellDesigner.

Venue

The Jamboree will be held at Hällsnäs Konferens & Affärsklubb (www.hallsnas.se). The hotel is easy accessible from Landvetter Airport by taxi.

Financing

The organizers will ensure funding to cover most of the costs associated with the Jamboree, as this will be held in connection with the EU-funded project FutureSysBio.

Workshop 4

Systems Biology for

Industrial

Biotechnology in

Europe

Programme outline



FutureSysBio

FUTURESYSBIO WORKSHOP

Systems Biology for Industrial Biotechnology in Europe

Date: Tuesday, 1st November 2011

Venue: **Novo Nordisk Foundation Center for Biosustainability**
Scion-DTU
Fremtidsvej 3
2970 Hørsholm

Contacts: **Jens Nielsen**, Coordinator
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Local contact: **Helle Grunnet-Jepsen**, Management assistant
(hlgj@biosustain.dtu.dk, tel: +45 45258002)

Monday, October 31st 2011

Hotel: **Best Western Mercur Hotel**, Vester Farimagsgade 17, 1606 Copenhagen V
(www.mercurhotel.dk)

19:00 Dinner at **Nimb Brasserie**, entrance outside Tivoli, opposite train station, address:
Bernstorffsgade 5, 1577 Copenhagen (www.tivoli.dk/composite-8817.htm)

Tuesday, November 1st 2011

AGENDA

09:00-09:20 Registration and *coffee*

09:20-09:40 Welcome – Jens Nielsen

09:40-10:00 CFB – Jochen Förster: The Center

10:00-10:20 CFB – Jens Nielsen: Fungal Cell Factories

10:20-10:40 CFB – Søren Brunak: Systems Metagenomics

10:40-11:00 *Coffee break*

11:00-11:20 CFB – Søren Molin: Bacterial Cell Factories

11:20-11:40 DTU – Uffe Mortensen: Development of expression platforms for fungi

11:40-12:00 Lund Uni – Gunnar Lidén: Current issues in biofuel research at Lund University

12:00-13:00 *Lunch at Søhuset*

- 13:20-13:40 CFB – Birger Møller: Plant Pathway Discovery
- 13:40-14:00 TUD – Aljoscha Wahl: Hybrid systems modeling for the estimation of dynamic fluxes from ¹³C labeling experiments
- 14:00-14:20 ETH – Matthias Heinemann: „Lag phases“ – new insights on a long-known phenomenon
- 14:20-14:40 Stuttgart Uni – Ralf Takors: Deciphering regulatory networks based on transient gene expression data
- 14:40-15:00 *Coffee break*
- 15:00-15:20 Siegen Uni/Jülich – Katharina Nöh: ¹³C-Metabolic Flux Analysis – Next Generation Tools and Technologies
- 15:20-15:40 Saarlandes Uni – Konstantin Schneider: Combined application of ¹³C fluxomics and elementary mode analysis for yeast network studies
- 15:40-16:00 DSM – Marco de Groot: Industrial applications of advanced metabolic engineering
- 16:00-16:20 *Coffee break*
- 16:20-16:40 Chr Hansen – Mads Bennedsen: From Genome sequences to genes and pathways of interest
- 16:40-17:00 Novozymes – Thomas Grotkjær: Cell factories for industrial enzyme and chemicals production
- 17:00-17:20 BASF – Andrea Molt: White Biotechnology @ BASF - Production of chemicals by fermentation
- 17:20-17:40 Closure – Jens Nielsen
- 19:00 Dinner at restaurant **Il Peccato**, Axeltorv 8, 1609 Copenhagen V (www.il-peccato.dk/ENG/Main_P.html)

Workshop 5

**Challenges in future
education and training**

Programme outline



FutureSysBio



ICSB2011/FUTURESYSBIO WORKSHOP

Challenges in Future Education and Training

August 28, 2011, Heidelberg

Programme:

9-10 Introduction and short presentations

10-11 Round table discussion

Short presentations:

Stefan Hohmann, University of Gothenburg, Sweden - TBA

Stefan Hohmann(Anders Blomberg), University of Gothenburg, Sweden - TBA

Marta Cascante, Universitat de Barcelona, Spain - Teaching to Master students from different backgrounds: the Computational Systems Biology and Biohealth Computing experiences

Chris Workman, DTU, Denmark- Challenges of developing the Systems Biology MSc program at DTU

Hans Westerhoff, University of Manchester, UK - Multi-inter and Transdisciplinary Training

Pedro Mendes, University of Manchester, UK - Distance Learning in Computational Systems Biology

Gunnar Cedersund, University of Linköping, Sweden - Adopting bioengineering educations to include a red thread of systems biology

Ursula Kummer, Heidelberg University, Germany- The major program "systems biology" at the University of Heidelberg