

Second Systems Biology Workshop Programme

September 1 & 2, 2005

John Hume Building, NUI Maynooth

THURSDAY: KEY ISSUES IN SYSTEMS BIOLOGY

Morning session. Chair: Kay Ohlendieck, Department of Biology, NUIM.

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| 09.15 – 09.30 | Welcome and opening remarks: Peter Wellstead, Hamilton Institute |
| 09.30 - 10.30 | Keynote address: <i>What are the 'Systems' in Systems Biology?</i>
Professor Olaf Wolkenhauer, University of Rostock |
| 10.30 - 10.45 | Break |
| 10.45 - 12.15 | Key topics in Systems Biology:
Omic Measurement and Network Analysis

<i>Proteomic measurement issues in biology</i>
Dolores Cahill, RCSI

<i>Metabolomic measurement issues in biology</i>
Michael Gibney, Nutrition and Dietetic Studies, TCD

<i>Theory and analysis of interaction networks</i>
Oliver Mason, Hamilton Institute, NUIM |
| 12.30 - 14.00 | Buffet lunch |
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Afternoon session: Chair: Bernard Mahon, Institute of Immunology, NUIM

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| 14.00 - 15.30 | Key Topics in Systems Biology: Cell Signalling and Sensing

<i>Biology of Cellular Dynamics</i>
Jochen H. M. Prehn, RCSI

<i>Modelling of Cellular Dynamics</i>
Eric Bullinger, Hamilton Institute, NUIM |
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*Micro and Nano Technologies for Biomolecular Measurement:
Tools for Systems Biology*

		Damien Arrigan, Tyndall National Institute, UCC
15.30 - 16.00	Break	
16.00 - 16.45	Industry perspective: <i>Systems Biology – A Drug Discovery Perspective</i>	Neil Benson, Pfizer Global R&D
16.45 – 17.00	Session Round-up	
17.00 - 19.00	Reception	

FRIDAY: STRATEGY FOR SYSTEMS BIOLOGY IN IRELAND

Morning session: Chair: Leo Bishop, IDA.

09.15 - 10.00	Thematic address: <i>Strategic Directions in Systems Biology</i>	
		Peter Wellstead, Hamilton Institute, NUIM
10.00 - 10.30	<i>The Institute for Systems Biology – A Management Perspective</i>	
		Louis R. Coffman, The Institute for Systems Biology, Seattle
10.30 - 10.45	Break	
10.45 - 12.30	<i>SFI/IDA Strategy Forum</i>	Maurice Treacy, Biotechnology Division, SFI
	SFI Strategy Presentation:	
	- Position statement	
	- Announcement of search committee	
	- Call for an SFI fellow in Systems Biology	
	University Strategy Presentations:	
	- Strategy and vision from colleges.	
	- Outlines of the Systems Biology strategies of participating universities	
	Round-up and Closure	
13.00 - 14.00	Buffet Lunch	