

International Workshop on Systems Biology
Maynooth, Ireland, July 17-19, 2006

Final Programme

Sunday, July 16th

18.00-19.30

Welcome Reception

Pugin Hall, St. Patrick's House, NUIM South Campus

Monday, July 17th

Morning Session

Chair: Prof. Peter Wellstead

Lecture Theatre 2, Hume Building, NUIM North Campus

8:45-9.05

Registration & Tea/Coffee

9.05-9.15

Opening Address

Prof. John Hughes, *President, NUIM*

9.15-10.00

“Bottom-up Systems Biology” (Part 1)

Prof. Hans Westerhoff,

Manchester Centre for Integrative Systems Biology, UK

10.00-10.05

Break

10.05-10.50

“Computational reconstruction of transcriptional regulatory networks: theory and biological examples” (Part 1)

Prof. Hamid Bolouri, *Institute for Systems Biology, USA*

10.50-11.15

Coffee break

11.15-12.00

“Computational reconstruction of transcriptional regulatory networks: theory and biological examples” (Part 2)

Prof. Hamid Bolouri, *Institute for Systems Biology, USA*

12.00-12.05

Break

12.05-12.50	“Control Theoretic Approaches to Systems Biology“ (Part 1) Prof. Brian Ingalls, <i>University of Waterloo, Canada</i>
12.50-14.00	Buffet Lunch
Afternoon Session	Chair: Prof. Hans Westerhoff
14.00-14.45	“Control Theoretic Approaches to Systems Biology“ (Part 2) Prof. Brian Ingalls, <i>University of Waterloo, Canada</i>
14.45-14.50	Break
14.50-15.35	“From epistasis information to biological function” (Part 1) Prof. Roy Kishony, <i>Harvard University, USA</i>
15.35-16.00	Coffee Break
16.00-16.45	“From epistasis information to biological function” (Part 2) Prof. Roy Kishony, <i>Harvard University, USA</i>
16.45-16.50	Break
16.50-17.35	“Statistical and Evolutionary Inferences from Biological Networks“ (Part 1) Dr. Michael Stumpf, <i>Imperial College London, UK</i>

Tuesday, July 18th

Morning Session	Chair: Dr. Oliver Mason
Lecture Theatre 2, Hume Building, NUIM North Campus	
9.00-9.15	Tea/Coffee
9.15-10.15	Industry Session 1 “Application of Systems Biology in Drug Discovery - a personal perspective”, Dr. Neil Benson, <i>Pfizer, UK</i> TBA, Dr. Brendan O’Malley, Unilever, UK

- 10.15-10.40 Coffee Break
- 10.40-11.10 **Industry Session 1 (c'tnd)**
"Process calculi for systems biology",
Prof. Corrado Priami, *Microsoft Research, University of Trento Centre for Computational and Systems Biology, Italy*
- 11.10-11.15 Break
- 11.15-12.00 **"Bottom-up Systems Biology" (Part 2)**
Prof. Hans Westerhoff,
Manchester Centre for Integrative Systems Biology, UK
- 12.00-12.05 Break
- 12.05-12.50 **"Statistical and Evolutionary Inferences from Biological Networks" (Part 2)**
Dr. Michael Stumpf, *Imperial College London, UK*
- 12.50-14.00 Buffet Lunch
- Afternoon Session Chair: Dr. Mark Verwoerd
- 14.00-14.45 **"Predictive Models in the Diagnosis and Prognosis of Disease" (Part 1)**
Prof. Lucila Ohno-Machado, *Harvard Medical School, USA*
- 14.45-14.50 Break
- 14.50-15.35 **"Predictive Models in the Diagnosis and Prognosis of Disease" (Part 2)**
Prof. Lucila Ohno-Machado, *Harvard Medical School, USA*
- 15.35-16.00 Coffee Break
- 16.00-17.30 **Breakout Session 1**
Middle Loftus and First Divinity Rooms, Loftus Halls,
NUIM South Campus
- 18.00-19.30 **Poster Session & Reception**
Pugin Hall, St. Patrick's House, NUIM South Campus

Wednesday, July 19th

Morning Session	Chair: Dr. Eric Bullinger
Lecture Theatre 2, Hume Building, NUIM North Campus	
9.00-9.15	Tea/Coffee
9.15-10.15	Industry Session 2
	“Systems Biology of Diabetes”
	Prof. Pierre De Meyts, <i>Novo Nordisk, Denmark</i>
	“Systems Biology of Apoptosis”
	Dr. Heinrich Huber, <i>Siemens, Ireland</i>
10.15-10.40	Coffee Break
10.40-11.10	Industry Session 2 (c’tnd)
	“Partial dopamine D2/3 receptor agonists as therapeutic approaches within psychiatry and neurology”
	Dr. Jeffrey Glennon, <i>Solvay Pharmaceuticals, Netherlands</i>
11.10-11.15	Break
11.15-12.00	“Modeling and Inference of Genetic Networks: Computational and Experimental Approaches” (Part 1)
	Prof. Ilya Shmulevich, <i>Institute for Systems Biology, USA</i>
12.00-12.05	Break
12.05-12.50	“Modeling and Inference of Genetic Networks: Computational and Experimental Approaches” (Part 2)
	Prof. Ilya Shmulevich, <i>Institute for Systems Biology, USA</i>
12.50-14.00	Buffet Lunch
Afternoon Session	Chair: Dr. Dimitris Kalamatianos
14.00-14.45	“The role of feedback in intracellular networks“ (Part 1)
	Prof. Elling W. Jacobsen, <i>KTH Stockholm, Sweden</i>
14.45-14.50	Break
14.50-15.35	“The role of feedback in intracellular networks“ (Part 2)
	Prof. Elling W. Jacobsen, <i>KTH Stockholm, Sweden</i>

15.35-15.45

Closing Remarks

Prof. Peter Wellstead, *NUIM, Ireland*

15.45-16.00

Coffee Break

16.00-17.30

Breakout Session 2

Middle Loftus and First Divinity Rooms, Loftus Halls,
NUIM South Campus

