

RoSBNet Synthetic Biology Workshop 2011

20 – 22 July 2011

St Anne's College, University of Oxford

Wednesday 20th July 2011

Time	Description	Chairperson	Venue
1000 – 1115	Registration and Tea/Coffee		SR 7
1115 – 1130	Dr Antonis Papachristodoulou University of Oxford, UK "Welcome and Introduction"	Dr Antonis Papachristodoulou, University of Oxford, UK	Tsuzuki Lecture Theatre
1130 – 1215	Professor Ricard V. Solé Pompeu Fabra University, Spain "Synthetic biological computing: new design principles"		
1215 – 1300	Professor Michael C. Jewett Northwestern University, USA "Towards Construction of Synthetic Ribosomes"		
1300 – 1415	Lunch		Ruth Deech Foyer B
1415 – 1500	Professor Mauricio Barahona Imperial College London, UK "Dynamics of interconnected systems: entrainment and synchronization of biological oscillators"	Dr Wei Huang, University of Sheffield, UK	Tsuzuki Lecture Theatre
1500 – 1545	Professor Dek Woolfson University of Bristol, UK "New Protein Structures for Protein Design and Synthetic Biology"		
1545 – 1615	Tea/Coffee Break		SR 7
1615 – 1700	Panel Discussion		Tsuzuki Lecture Theatre
1915	Dinner		Dining Hall

Thursday 21st July 2011

**'Dual Use' of Synthetic Biology
Talks and Discussion Panels**

Time	Description	Chairperson	Venue
0845 – 0900	Registration and Tea/Coffee		SR 7
0900 – 0920	Dr Jim Whitman University of Bradford, UK “Why the dual use potential of scientific breakthroughs is more likely to manifest as practical problems than ethical dilemmas”	Dr Alexander Kelle University of Bath, UK	Tsuzuki Lecture Theatre
0920 – 0940	Professor Stefan Eriksson Uppsala University, Sweden “Moral obligations in dual use research?”		
0940 – 1000	Dr James Revill University of Sussex, UK “Synthetic Biology and Dual Use Education”		
1000 – 1045	Panel Discussion		
1045 – 1115	Tea/Coffee Break		SR 7
1115 – 1135	Dr Jo Husbands U.S. National Academy of Sciences “ELSI and Synthetic Biology: A Perspective from the Wider International Efforts to Address Dual Use Implications in the Life Sciences”	Dr Alexander Kelle University of Bath, UK	Tsuzuki Lecture Theatre
1135 – 1155	Dr Piers Millett United Nations BWC Implementation Support Unit Geneva, Switzerland “Engineering Safe, Secure and Solely Beneficial Biology”		
1155 – 1215	Dr Alexander Kelle University of Bath, UK “Beyond patchwork precaution for the dual-use governance of synthetic biology”		
1215 – 1300	Panel Discussion		
1300 – 1415	Lunch		Ruth Deech Foyer B
1415 – 1700	Poster Session and Open Discussion		Tsuzuki Lecture Theatre
1900 – 1930	Pre-Dinner Drinks		Ruth Deech Foyer A
1930	Dinner		Ruth Deech Foyer B

Friday 22nd July 2011

Time	Description	Chairperson	Venue
0845 – 0915	Tea/Coffee		SR7
0915 – 1000	<p style="text-align: center;">Professor Koichi Takahashi RIKEN, Japan “Simulating biochemical reaction networks at the molecular resolution with E-Cell System Version 4”</p>	Dr Marcus Tindall, University of Reading, UK	Tsuzuki Lecture Theatre
1000 – 1045	<p style="text-align: center;">Dr Orkun Soyer University of Exeter, UK “Evolution and Synthetic Biology”</p>		
1045 – 1130	Tea/Coffee Break		SR7
1130 – 1215	<p style="text-align: center;">Dr Yo-Cheng Chang University of Oxford, UK “Redesigning a bacterial two-component system to exhibit desired responses”</p>	Dr Guy-Bart Stan, Imperial College London, UK	Tsuzuki Lecture Theatre
1215 – 1300	<p style="text-align: center;">Dr Antonis Papachristodoulou University of Oxford, UK “Summary and Close – RoSBNet in the Future”</p>		
1300 – 1415	Lunch		Ruth Deech Foyer B
1415	Open Discussion		SR7