

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 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 | 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 Millet 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 Tea/Coffee | | 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 |