

Robustness in Biology and Engineering

16 March 2012

Byrne House, University of Exeter

One-day workshop organised by Sabina Leonelli and Orkun Soyer and sponsored by the EPSRC and the ESRC (through the ESRC Centre for Genomics in Society and EPSRC Grant 'Evolving Controllers')



Programme

Chair: Sabina Leonelli, ESRC Centre for Genomics and Society, University of Exeter

11:00 – 11:10 Introduction: **Orkun Soyer**, University of Exeter

11:10-11:50 **Bill Wimsatt**, Professor of Philosophy of Science, University of Chicago: “Inferential Robustness and the Robustness of Systems: an overview”

11:55-12:30 **Guy-Bart Stan**, Imperial College: “Taking a systems control approach in biology: exogenous data-based optimal control of synthetic gene circuits”

12:35-13:10 **John Joe McFadden**, Professor of Molecular and Microbial Genetics, University of Surrey: “Metabolism of the TB bacillus: a systems-wide approach”

13:15 – 14:30 *Lunch*

14:30-15:05 **Natalio Krasnogor**, Professor of Applied Interdisciplinary Computing, University of Nottingham: tba

15:10-15:45 **Peter Swain**, Centre for Systems Biology, University of Edinburgh: “Noise and cellular decision-making”

15:50-16:30 *Final discussion and coffee*

Further information available on the Egenis website.

Please **RSVP** by emailing Natasha Simcock, n.t.simcock@exeter.ac.uk