

## Stochastic Modelling of Biological Networks

**Date:** 14<sup>th</sup> September, 2010

**Venue:** LT907, Livingstone Tower, 26 Richmond Street, Glasgow G1 1XH.

For directions please visit our [location map](#) and [directions for travelling to the department](#).

### Programme

- 09:30 – 9:55      Registration/Tea and Coffee  
Chair **Professor Xuerong Mao**, University of Strathclyde
- 09:55 – 10:00      *Welcome address*
- 10:00 – 10:45      **Professor Pat Heslop-Harrison**, University of Leicester  
Networks, noise and nodes: Consequences from robust and dynamic interactions in biology
- 10:45 – 11:30      **Professor Peter Swain**, University of Edinburgh  
Measuring and modelling stochastic gene expression
- 11:30 – 12:15      **Dr Ramon Grima**, University of Edinburgh  
Finite-volume corrections to the rate equation theory of chemical reaction networks
- 12:15 – 13:30      Lunch break and posters*
- Chair **Dr Hong Yue**, University of Strathclyde
- 13:30 – 14:15      **Dr Jongrae Kim**, University of Glasgow  
Computational challenge in robustness analysis of stochastic systems
- 14:15 – 15:00      **Dr Yanlan Mao**, Cancer research UK  
How to get in shape: *in vivo* and *in silico* studies of tissue growth control
- 15:00 – 15:30      Tea and Coffee*
- 15:30 – 16:15      **Dr Yunbo Zhao**, University of Glasgow  
Hybrid moment computation algorithm for biochemical reaction networks
- 16:15 – 17:00      **Dr Alexander Tournier**, Cancer research UK  
Mathematical modelling of the TGF- $\beta$  signal transduction pathway
- 17:00 – 18:00      Wine, cheese, discussions and posters*