

ECCB Satellite Meeting on Probabilistic Modelling in Computational Biology

– Programme –

The one day meeting includes two thematically focused sessions. Besides the invited key-note talks, participants were invited to submit work to be presented in short talks or during a poster session.

9.45 Welcome address, administrative issues

Session I: **Dynamic System Models**

10.00 Keynote: *Mark Girolami*, Title TBA, *Univ. of Glasgow*, U.K. [confirmed]

11.00 *F. Ferrazzi et al.*, 'Bayesian population models to learn gene networks from multiple expression experiments', *University of Pavia*, Italy.

11.30 Morning break / *Posters*

12.00 *J. Blakes, N. Krasnogor, et al.*, 'An executable biology methodology for systems and synthetic biology', *University of Nottingham*, U.K.

O. Radulescu, et al., 'Piecewise deterministic simplifications and critical parameters for multi-scale stochastic gene networks models', *Université de Rennes*, France.

13.00 Lunch break / *Posters*

14.30 *D.L. Wild and R.S. Savage*, 'Inference of integrated metabolic and transcriptional networks in *E. coli* acid stress response using Bayesian state space models', *University of Warwick*, UK

Session II: **Integrated analysis of heterogeneous data sets**

Keynote: *Satoru Miyano*, *University of Tokyo*, Japan [cancelled due to illness]

15.00 *J. Reid and L. Wernisch*, 'Transcriptional programs: Non-parametric modelling of higher order structure in transcriptional regulation', *MRC Biostatistics Unit, Cambridge*, U.K.

15.30 Afternoon break / *Posters*

16.00 *A. Gohr and A. Hinneburg*, 'Modelling metabolomics data by probabilistic document models', *Leibniz Inst. of Plant Biochemistry*, Germany

C. Greenman, 'Building mutation profiles of cancer genomes', *Sanger Institute, Cambridge*, U.K.

17.00 Closing words

17.15 Official part of workshop ends.

Participants registered for ECCB can make their way to the first ECCB talk (18.00), others may wish to continue informal discussion over dinner (the local organizers can advise).

We welcome submissions of abstracts for Poster presentations.