

Non-Mammalian Models for Systems Biology

23 June 2006 – Birkbeck College, London

- 9:00 – 9:30** **Registration – Tea, coffee and biscuits**
- 9:30 – 9:35 **Introduction by the Chair:** Dr Steve Russell, University of Cambridge
- 9:35 - 10:05 **In vivo mapping of transcription factor binding at a genome-wide scale in *Drosophila***
Dr Steve Russell - University of Cambridge
- 10:05 – 10:35 **Systems Biology Approaches to Modelling Transcription Networks in *Escherichia coli***
Dr Dov Stekel - Lecturer in Bioinformatics, School of Biosciences, University of Birmingham
- 10:35 – 11:00 **Morning tea/coffee**
- 11:00 – 11:30 **Genetics screens in a *Drosophila* model of Alzheimer’s disease yield novel targets for therapy**
Dr Damian Crowther - University of Cambridge
- 11:30 – 12:00 **Microarray analysis of the yeast proteome**
Dr Paul Bertone, European Bioinformatics Institute, Wellcome Trust Genome Campus
Cambridge
- 12:00 - 12:30 **Xenomics: Functional genomic approaches in *Xenopus* to investigate the molecular bases of embryonic development, wound healing and tissue regeneration**
Professor Enrique Amaya, The Healing Foundation Centre, University of Manchester
- 12:30 - 13:30** **Lunch**
- 13:30 – 14:00 **Global Regulatory Mechanisms of Post-Transcriptional Gene Expression in Fission Yeast**
Dr Jurg Bahler, Wellcome Trust Sanger Institute, Cambridge
- 14:00 – 14:30 **The *Caenorhabditis elegans* Transcription Factor Localizome - abstract**
Dr John S Reece-Hoyes, University of Leeds
- 14:30 -15:00 **Drastic-Insights: Querying information in a plant gene expression database**
Miss Davina Button, University of Abertay, Dundee
- 15:00 – 15:30** **Afternoon Tea/Coffee**
- 15:30 – 16:00 **A comparison of theoretical and *in vitro* studies of iron acquisition in *pasteurella multocida***
Mr Sandy McDonald, Moredun Research Institute , UK
- 16:00 – 16:30 **Initiation of differential gene expression in sporulating *Bacillus subtilis* – a mathematical model**
Professor Michael Yudkin, Kellogg College, Oxford, OX1 2JA, United Kingdom
- 16:30** **Close**