7-11 January

Winter School in Systems Biology 2013
- Program -

TÉCNICO LISBOA

European Commission ERASMUS MUNDUS

WINTER SCHOOL 2013

Monday, 7th

IST Functional Genomics Session (room QA1.4, South tower)

14:00 – "Genome sequencing and annotation of the highly acetic acid-resistant species *Zygosaccharomyces bailii* ISA1307", *Nuno P Mira*, BSRG, DBE, IBB-IST, Portugal

14:30 – "Adaptive evolution of *Burkholderia cepacia* complex bacteria during long term lung infection of cystic fibrosis patients: a systems biology perspective", *Sandra C dos Santos*, BSRG, IBB-IST, Portugal

15:00 – "Systems-based understanding of the response and resistance to the herbicide 2,4-D: from the Yeast model to the Plant model", *Tânia R Cabrito*, BSRG, IBB-IST, Portugal

16:00 – "Post-transcriptional regulation in Prokaryotes: Small non-coding regulatory RNAs and RNA chaperones", *Christian Ramos*, BSRG, IBB-IST, Portugal

16:30 – "BGFit: management and automated fitting of bacterial growth curves", *André Veríssimo*. KDBIO, INESC-ID, Portugal

17:00 – "Mining relationships between antibiotic and biocide reduced susceptibility", *Joana Coelho*, KDBIO, INESC-ID, Portugal
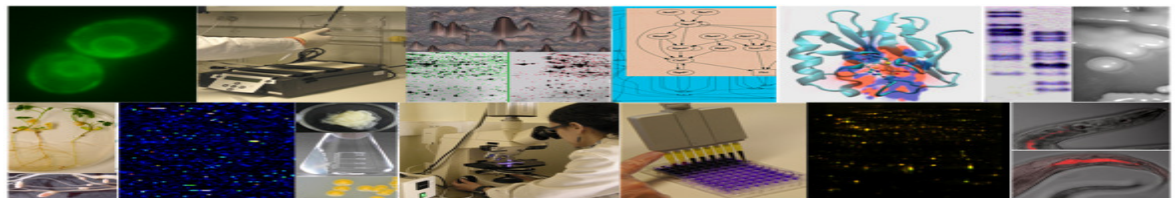

Tuesday, 8th

EuSysBio Alumni Session (room QA1.4, South tower)

9:00 – "Dynamic Modeling and Optimization of Lactic acid bacteria Central Metabolism", *Bhabuk Koirala* (2nd year student; KDBIO, INESC-ID, Portugal)

9:45 – "Elucidating the transcriptional regulatory network controlling the *TPO1* response to benzoic acid in yeast", *Kaur Alasoo* (alumni; BSRG, IBB-IST, Portugal)

10:30 – "The Use of RNA-seq Data for Re-annotation of Transcriptomes", *Mohamed Al Hadidi* (alumni; PAGG, Max Planck Institute, Germany)

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Wednesday, 9th

Guest Lecturers Session I (room QA02.1, South tower)
9:00 – "Computational Methods for Metabolic networks", *Rousu Juho*, Aalto University, Finland

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Thursday, 10th

IST NanoBiotechnology and Stem Cell BioEngineering Session (room QA1.4, South tower)
9:00 – "Lab-on-chip platform for biosensing with integrated optical detection!", *Pedro Novo*, INESC-NM, Portugal
10:00 – "Ex-vivo Expansion of Human Stem Cells for Cellular Therapy", *Cláudia Lobato da Silva*, BERG, DBE, IBB-IST, Portugal
Guest Lecturers Session II (room QA02.1, South tower)
14:00 –"Delayed Stochastic Modeling of Gene Network Dynamics", *André S Ribeiro*, LBD, TUT, Finland
15:45 – "In vivo single-molecule measurements of gene expression", *André S Ribeiro*, LBD, TUT, Finland

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Friday, 11th

Guest Lecturers Session III (room VA4, Civil Engineering Building)
9:00 – "Bioinformatics challenges in cancer genome analysis – Part I", *Alfonso Valencia*, CNIO, Spain
10:00 – "Bioinformatics challenges in cancer genome analysis – Part II", *Alfonso Valencia*, CNIO, Spain
IST Entrepreneurship Session (room QA1.4, South tower)
14:00 - "Entrepreneurship and Innovation", *Frederico Ferreira*, DBE, IST, Portugal
16:30 - "Case study: can we patent genes?", *Miguel Prazeres*, DBE, IST, Portugal