

# 5-9 January

# WINTER SCHOOL 2015

## Winter School in Systems Biology 2015 - Program -

Monday, 5<sup>th</sup>

**Guest Lecturer Session I (room QA1.3, South tower)**

**14:30** – “Selected tools and strategies for rational and reverse engineering and their contributions to systems metabolic engineering”, **Elke Nevoigt**, School of Engineering and Science, Jacobs University gGmbH, Bremen, Germany.

Tuesday, 6<sup>th</sup>

**IST Session I (LTI, South tower)**

**14:00** – “Introduction to key evolutionary concepts and methodologies: phylogenetic trees, comparative genomics, and gene and genome evolution”, **Paulo J Dias**, BSRG, iBB, Instituto Superior Técnico, University of Lisbon, Portugal.

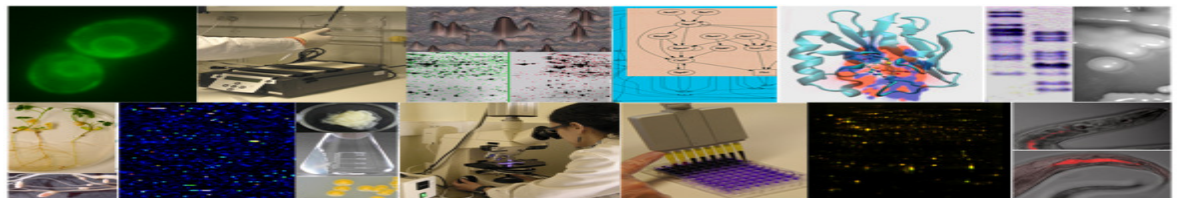
**16:00** - “Evolutionary inference using phylogenetic trees and comparative genomics”, **Paulo J Dias**, BSRG, iBB, Instituto Superior Técnico, University of Lisbon, Portugal.

Wednesday, 7<sup>th</sup>

**IST Session II (room QA1.3, South tower)**

**9:00** – “Comparative genome analysis of pathogens”, **José Pereira Leal**, Instituto Gulbenkian Ciência, Oeiras, Portugal

**10:00** – “Functional genomics of cancer progression”, **José Pereira Leal**, Instituto Gulbenkian Ciência, Oeiras, Portugal



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**Thursday, 8<sup>th</sup>**

**Project in Systems Biology Session (room QA1.3, South tower)**

**14:00** – “Evolutionary and variational analysis of the drug:H<sup>+</sup> antiporters family 1 (DHA1) in the *Zygosaccharomyces* genus”, **Tineka Blake**, 2nd year student at Instituto Superior Técnico, University of Lisbon, Portugal

**14:30** – “Design and implementation of a MFS-MDR Transporters Information System”, **Zhang Kaiyang**, 2nd year student at Instituto Superior Técnico, University of Lisbon, Portugal

**15:00** – “Visualization and filtering of regulatory pathways in YEASTRACT”, **Cecília Garcia**, 2nd year student at Instituto Superior Técnico, University of Lisbon, Portugal

**16:00** – “Comparative genomic analysis of *Burkholderia cenocepacia* clonal isolates retrieved over the course of a 3.5-year chronic infection of the lungs of a cystic fibrosis patient”, **Shalini Dasgupta**, 2nd year student at Instituto Superior Técnico, University of Lisbon, Portugal

**Friday, 9<sup>th</sup>**

**Guest Lecturer Session II (room QA1.3, South tower)**

**9:00** – “The sweet side of bitter pills: From glycans, glycoengineering and glycomics”, **Alexandre Frey**, Aalto University, Helsinki, Finland

**IST Session III - Entrepreneurship (room QA1.3, South tower)**

**14:00** - “Case study: can we patent genes?”, **Miguel Prazeres**, Bioengineering Department, Instituto Superior Técnico, Portugal

**15:00** - “Entrepreneurship”, **Luísa Quintino**, Centre for Manufacturing and Industrial Management, Instituto Superior Técnico, Portugal

