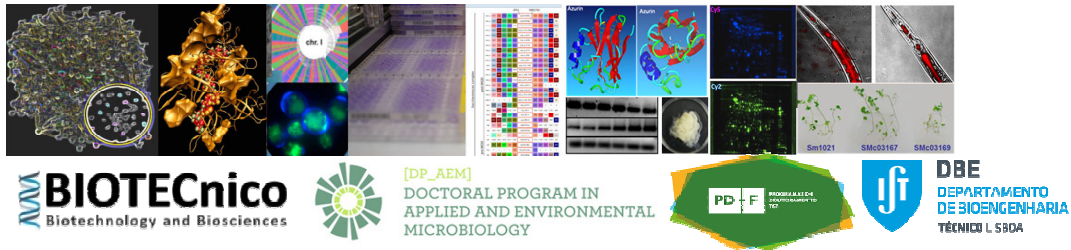


# 1<sup>st</sup> JOINT BIOTECnico AND AEM PhD PROGRAMS WORKSHOP



Venue: Instituto Superior Técnico, Torre Sul, room QA1.1

21 and 22 January 2016

## PROGRAMME

### January 21

#### 14:00 – Welcome session

Directors of BIOTECnico (Prof. Isabel Sá-Correia) and AEM (Prof. Margarida Casal) PhD programs, President of the IST Scientific Council (Prof. Luís Oliveira e Silva), Organizing Committee (Profs. Isabel Sá-Correia, Jorge H. Leitão, Miguel C. Teixeira)

#### 14:15 – From Research in Diagnostics to the AgroFood Market

Dr. Mário Gadanho (Biopremier S.A. CEO)

#### 15:15 – Enhancement of the biotechnological value of a commercial cold-adapted xylanase

Mário Barroca (AEM PhD student)

#### 15:35 – *Ashbya gossypii* beyond industrial riboflavin production: A historical perspective and emerging biotechnological applications

Rui Silva (AEM PhD student)

#### 16:00 – Coffee break

#### 16:30 – The microbiome of keratose marine sponges: spatiotemporal dynamics and functional attributes

Dr. Rodrigo Costa (CCMAR, UAlgarve),

#### 17:30 – Insights into the mechanism of antimicrobial activity and its exploitation for developing new therapies against clinically relevant bacteria

Ana Margarida Pereira (AEM PhD student)

#### 17:50 – Technological development of biocidal strategies economically viable for the contention of infections by the filamentous phytopathogenic fungus *Moniliophthora perniciosa* Stahel Aime & Phillips-Mora

Pedro Ferraz (AEM PhD student)

#### 18:10 – *Candida glabrata* biofilm formation, metabolism and antifungal tolerance - state of the art

Rosana Alves (AEM PhD student)

#### 18:30 – Visit to iBB (Institute for Bioengineering and Biosciences) lab facilities – Biological Sciences Research Group (BSRG)

18:30 – Meeting of the Directive and Selection Committees of AEM PhD program.

## **January 22**

9:30 – **Ethics in Science**

Prof. Jorge Silva (BioISI, Fac. Ciências, ULisboa)

10:30 – **Bacterial adaptive evolution during chronic infection: the case study of the *Burkholderia cepacia* complex in the cystic fibrosis lung**

Amir Hassan (BIOTECnico PhD student)

10:50 – **Nano-Beacons: Biosensors with Plasmonic Enhancement of Fluorescence Signalling for Nucleic Acid Detection**

David Botequim (BIOTECnico PhD student)

11:10 – **Failure is not an option**

Dr. Sofia Martins (Magnomics)

12:10 – Lunch

13:30 – **Antifungal drug resistance in *Candida glabrata*: the regulators and the effectors**

Pedro Pais (BIOTECnico PhD student)

13:50 – **Development of a novel purification platform for Fab antibody fragments based on affinity peptide ligands**

André Nascimento (BIOTECnico PhD student)

14:10 – **Intellectual Property Overview**

Eng. Rita Mendonça (IST Technology Transfer Office)

15:10 – **Biomimetics & Smart-Materials in Bioseparation**

Prof. Cecília Roque (UCIBIO, UNL)

16:10 – Coffee break

16:30 – Visit to iBB (Institute for Bioengineering and Biosciences) lab facilities - Bioengineering Research Group (BERG)

17:00 – **General Discussion and Closing Session**

Diretors of the BIOTECnico (Prof. Isabel Sá-Correia), and the AEM PhD program (Prof. Margarida Casal)

17:30 – Meeting of the Directive, Scientific and Management committees of the BIOTECnico PhD program.