



Institute for Health
and Bioeconomy

<https://i4hb-la.pt>

i4HB Kick off Meeting

19th December 2022

Congress Centre of Instituto Superior Técnico

MORNING

Monday, 19th December 2022

08:30 - 09:00 | **REGISTRATION**

09:00 - 09:30 | **OPENING SESSION**

Luís Oliveira e Silva (Presidente do Conselho de Escola do IST)
Joaquim Cabral (Director do iBB), Maria João Romão (Directora da UCIBIO),
Paulo Freitas (Director do INESC-MN) e Félix Carvalho (Vice-Director da UCIBIO)

09:30 - 10:30 | **TL 1 - Platforms for Drug Development and Discovery | Filipa Marcelo**
Sérgio Sousa | *Biomolecular Simulations in the Development of New Antivirals Against SARS-CoV-2*
Cristiano Mota | *The role of Aldehyde Oxidase in human and drug metabolism*
Fábio Fernandes | *Exosome engineering for therapeutic applications*
Paula Videira | *Developing anti-glycan therapeutic antibodies*

10:30 - 11:00 | **Coffee-break**

11:00 - 12:00 | **TL 2 - Advanced Diagnostics and Therapies | Frederico Ferreira**
Joana Pinto | *Discovery of biomarkers for diagnosis and personalized medicine in urological cancers: A metabolomics approach*
Pedro V. Baptista | *Gold nanoparticles for anti-tumor treatment*
Margarida Diogo | *Cardiac organoids as a tool for disease modeling and drug discovery*
Susana Cardoso Freitas | *Lab On Chip Platforms for Medical Diagnostics*

12:00 - 13:00 | **TL 3 - Human Health and Environmental Safety | Luísa Peixe**
João Pedro Silva | *Bioinformatics-based integration of large biological datasets to analyze the molecular basis of xenobiotic-related toxicity*
Mário Diniz | *Effects of Exposure to Titanium Dioxide (TiO₂) Nanoparticles in Fish*
Ângela Novais | *FTIR spectroscopy to support surveillance and infection control of multidrug resistant bacteria*
Mónica Galocha | *Unveiling new pathways of genomic evolution towards azole resistance in *Candida glabrata**

13:00 - 14:30 | **Lunch and Poster Session**

- 14:30 - 15:30** | **TL 4 - Bioresources Valorization and Bioproducts Production** | **Maria A. Reis**
Carla C. C. R. de Carvalho | *Developing bioprocesses with marine bacterial resources*
Arménio Barbosa | *Design and discovery of affinity ligands*
Filomena Freitas | *Exploiting microbial polysaccharides and polyesters as materials for novel polymeric structures*
Sofia O. D. Duarte | *Lactococcus lactis as cell factories for the advanced manufacturing of biopharmaceuticals*
- 15:30 - 16:30** | **Round Table on Career Development**
Organisers | *Raquel Aires Barros, João Pedro Conde, Ana Cecília Roque*
Moderator | *Ana Cecília Roque*
Participants | *Eurico Cabrita, Fábio Fernandes, Ângela Novais, Joana Fradinho, Sofia Abrunhosa*
- 16:30 - 18:00** | **Coffee-break & Networking**
- 18:00** | **Concluding Remarks & Closing Session**
Mário Nuno Berberan Santos, Maria João Romão, Paulo Freitas and Félix Carvalho

MEETING VENUE

Congress Centre - Civil Engineering Building - floor 01 and 02



SCIENTIFIC / ORGANIZING COMMITTEE:

Joaquim Cabral, Isabel Sá Correia, Frederico Ferreira, Raquel Aires Barros, Miguel Prazeres, Maria João Romão, Ana Cecília Roque, Maria A. Reis, Eurico Cabrita, Filipa Marcelo, Luísa Peixe, Pedro Viana Baptista, Paulo Freitas, João Pedro Conde e Teresa Sequeira Carlos