

Programme

9.30 - Registration

Chair: Elin Moe, ITQB NOVA

10.00 – 10.05 Welcome address

João Paulo Crespo, ITQB NOVA Director

10.05 – 10.35 Present and Future directions of Instruct-ERIC

Harald Schwalbe, Instruct-ERIC Director

10.35 – 10.50 The broad portfolio offered by Instruct Centers

John Dolan, Instruct-ERIC

10.50 – 11.10 Instruct-PT

Margarida Archer, ITQB NOVA and Carlos Cordeiro, Ciências, ULisboa

11.10 – 11.30 **Coffee Break**

Chair: Eurico Cabrita, NOVA FCT

11.30 – 11.45 Portuguese Platform of BioImaging (PPBI), Node of Euro-Bioimaging

Luísa Cortes, CNC-UC

11.45 – 12.00 Latest developments at CryoEM@ PT

Paulo Ferreira, INL

12.00 – 13.30 **Lunch Break**

Chair: Ana Luísa Carvalho, NOVA FCT

13.30 – 13.50 Activation Mechanism and Structural Assembly of the Mycobacterium tuberculosis

ClpP1P2 Protease and Its Associated ATPases

Katharina Weinhäupl, i3s, Porto

13.50 – 14.10 Unravelling Protein Interactions in the AAA+ ATPase RuvBL1/RuvBL2 Complex

Catarina Paiva, iBET

14.10 – 14.30 Structural studies on Polyhydroxyalkanoate synthases (PhaC)

Guilherme Alves, FCT NOVA

14.30 – 14.50 STEP (Stop Tuberculosis Efflux Pumps): a comprehensive approach to understand the mechanisms of antibiotic efflux

Joana Santos, i3s

14.50 – 15.10 Time-resolved and ultra-high resolution crystallography: the new frontiers
Arwen Pearson, University of Hamburg

15.10 – 15.30 Coffee Break

Chair: Carlos Cordeiro, CiÊNCIAS, ULISBOA

15.30 – 16.00 Bridging Structural Biology, Bioinformatics, and AI: Scientific Rigor with Translational Impact

Irina Moreira, CNC-UC and PURR.AI

16.00 – 17.00 Round table: Structural biology: new methods, new ideas, new intelligence

Panel: Harald Schwalbe, Irina Moreira, Paulo Ferreira, Sérgio Matos, Eurico Cabrita and Carlos Cordeiro, moderated by Margarida Archer

17.00 Closing remarks

Organizing Committee:

Margarida Archer, ITQB NOVA

Elin Moe, ITQB NOVA

Carlos Cordeiro, Ciências ULisboa

Célia Romão, Ciências ULisboa