

Instruct-LV 1. strukturālās bioloģijas konference/1st Instruct-LV structural biology conference

Tuesday, 3 December 2024 - Tuesday, 3 December 2024

University of Latvia, House of Nature

Scientific Programme

Conference program

12:00 - 13:00 Arrive and Lunch

13:00 - 13:10 Kaspars Tars (BMC Latvia) Conference Opening

13:10 - 13:40 John Dolan (Instruct-ERIC) Instruct-ERIC – The Leading Research Infrastructure in Structural Biology

13:40 - 14:10 Harald Schwalbe (Goethe University Frankfurt; Instruct-ERIC Director) Integrated Structural Biology to unravel the impact of synonymous mutations on protein structure

14:10 - 14:40 Hanna Oksanen (University of Helsinki) TBC

14:40 - 15:00 Kaspars Tars (BMC Latvia) Structural biology of ssRNA phages in the metagenomics era

15:00 - 15:10 Official Announcement of Latvia as an Instruct-ERIC Member

15:10 - 15:30 Coffee Break

15:30 - 15:35 Kaspars Tars Introduction of Latvia Structural Biologists

15:35 - 15:55 Kalvis Brangulis (BMC Latvia) Structures of *Borrelia burgdorferi* outer surface proteins

15:55 - 16:15 Rebeka Ludviga (BMC Latvia) Cryo-EM structure of Potato Virus M-Like particles

16:15 - 16:35 Alons Lends (LIOS Latvia) Biomolecules seen by NMR spectroscopy at Latvian Institute of Organic Synthesis

16:35 - 16:55 Jānis Rūmnieks (BMC Latvia) Cryo-EM structure of DNA bacteriophage Nocturne116

16:55 - 17:15 Teodors Panteļejevs (LIOS Latvia) Cysteine stapled peptides: a structural perspective

17:15 - 17:35 Gints Kalniņš (BMC Latvia) Structural characterization of SARS-CoV-2 Nsp16-Nsp10 interactions with substrate based inhibitors

17:35 - 17:55 Shapla Bhattacharaya (LIOS Latvia) Tailoring Enzymes for Tomorrow

17:55 Kaspars Tars Wrap up and networking session