



Minisymposium

Structural Biology in Slovenia and Beyond

May 14, 2024

Great Lecture Hall, National Institute of Chemistry, Ljubljana

Registration at: <https://forms.gle/NJdorN6BaxkD3nPu7>

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Program

12.15-13.15: buffet lunch

Part 1: Talks by members of Instruct-ERIC Council

13.15 - 13.20: introductory words by Marjetka Podobnik

13.20 - 13.35: Claudia Alén Amaro: *Instruct-ERIC – The Leading Research Infrastructure in Structural Biology*

13.35 - 14.00: Harald Schwalbe: *Integrated Structural Biology to unravel the impact of synonymous mutations on protein structure*

14.00 - 14.25: Lucia Banci: *The contribution of in-cell NMR to cellular structural biology*

14.25 - 14.50: Jiří Nováček: *Structural snapshots of the glucose metabolism revealed by in vitro and in situ cryo-electron microscopy*

14.50 - 15.05: official announcement of Slovenia as a member of Instruct-ERIC

15.05 - 15.20 coffee break

Part 2: Talks by the young generation of Slovenian structural biologists

15.20 - 15.25: introductory word by Marjetka Podobnik

15.25 - 15.40: Martina Lenarčič Živkovič: *NMR insights into unique cation dependency of DNA quadruplex structure*

15.40 - 15.55: Jošt Hočvar: *Structural insight into calcium-regulated actin crosslinking mode of non-muscle α -actinins*

15.55 - 16.10: Neža Koritnik: *Cryo-EM studies of potyviral coat protein structural plasticity*

16.10 - 16.25: Ajasja Ljubetič: *Structural characterization of a de novo designed random protein walker system*

16.25 - 16.40: Sara Vidmar: *Modular Protein Nanostructures (as markers for cryo-EM)*

16.40 - 16.55: Gašper Šolinc: *Structural insights into the interaction between actinoporin pores and lipid membranes*

16.55 - 17.10: Nataša Lindič: *Structural insight into the enzymes involved in the synthesis of the S-layer-anchoring polysaccharide ligand of *Clostridioides difficile**