

Consortium Instruct.SI is kindly inviting to a three-day workshop

# Basics of Methodological Approaches in Structural Biology

where attendees will be able to obtain or refresh **basic knowledge** on high-resolution structural biology approaches: **macromolecular crystallography (MX)**, **nuclear magnetic resonance (NMR)**, and **cryogenic electron microscopy (cryo-EM)**.

 **5<sup>th</sup>–7<sup>th</sup> November 2024**  **National Institute of Chemistry, Hajdrihova 19, Ljubljana**  
(main location)

**Fee:** There is no fee!

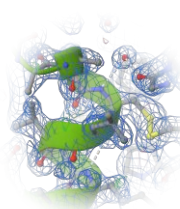
**Registration** is obligatory and will be enabled soon (see workshop webpage).

**Language:** The official language is English.

**Who can attend?** Students and researchers, interested in structural biology.

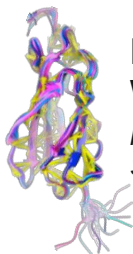
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**Programme overview** (every day approx. 9<sup>00</sup>–17<sup>30</sup>; detailed programme coming soon!)



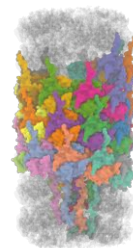
**MX**  
**Tue, 5<sup>th</sup> November**

*lectures + a tour of the protein production & crystallization facility*



**NMR**  
**Wed, 6<sup>th</sup> November**

*lectures + a tour of the Slovenian NMR Centre*



**Cryo-EM**  
**Thu, 7<sup>th</sup> November**

*lectures + a tour of the cryo-EM facility*

**We will address questions like...**

How does a particular method work? When to apply it? What kind of samples are appropriate? How to prepare samples? How do I know if the samples are optimally prepared? Which equipment do I need? Is it available in Slovenia, and if not—what then? How to conduct measurements? What are the raw data? How to process data? How to arrive from processed data to an atomic-resolution model of a biological macromolecule/complex?

 **Free coffee/tea** during breaks & **free lunch** every day + a **get-together** on Thursday evening!

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**Organising team of the Instruct.SI consortium is looking forward to see you at the workshop!**



For more info visit the workshop website [instruct-eric.si/bmasb2024](https://instruct-eric.si/bmasb2024) or write to us at [instruct.si@ki.si](mailto:instruct.si@ki.si).