

Instruct.SI Cryo-EM Workshop, Single Particle Analysis, November 10 - 12, 2026

Cryo-EM Workshop on Single Particle Analysis is based on the very positive response to the 'Basics of Methodological Approaches in Structural Biology' workshop in 2024 and the 'Cryo-EM Advanced Workshop on Single Particle Analysis 2025'. This year, Instruct.SI and the National Institute of Chemistry are pleased to invite applications for an in-person cryo-EM workshop designed to provide researchers with meaningful, hands-on experience covering nearly the entire cryo-EM workflow - from EM grid preparation to 3D reconstruction.

The workshop program will include:

- Theoretical background of the cryo-EM method
- Practical work in small, mentored teams
- Experimental sessions, including grid preparation with TFS Vitrobot Mk IVs and data acquisition with TFS Glacios (microscope loading, data collection)
- Cryo-EM data processing and analysis with 3D reconstruction
- Networking opportunities with experts from the field and other cryo-EM users

Date and place: November 10 - 12, 2026, National Institute of Chemistry, Ljubljana, Slovenia

Who should apply:

This workshop is intended for **researchers at all career stages**, especially young scientists (BSc and PhD students, postdocs), who **have basic knowledge of structural biology** and wish to acquire or improve practical skills in cryo-EM.

Up to eight (8) attendees will be selected based on their **CV and motivation letter** to ensure a high-quality hands-on experience. Applicants will have the opportunity to briefly present their research and bring their own samples. Up to two of these samples will be selected for cryo-EM analysis during the workshop, based on their quality and suitability.

Registration:

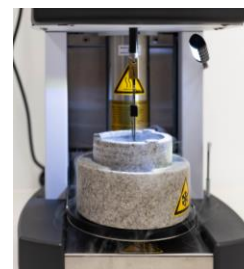
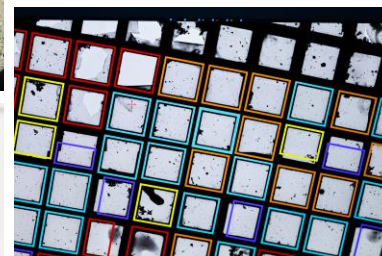
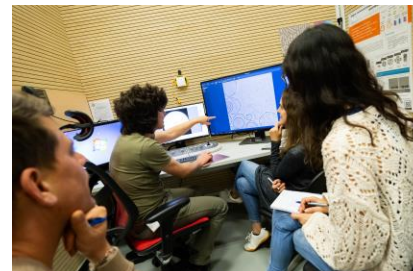
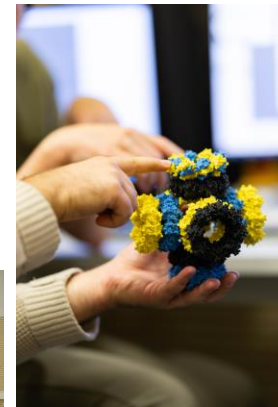
There is no registration fee, lunch and coffee breaks are included.

Submit your application by October 2, 2026 at <https://instruct-eric.si/spa2026>

Questions?

Contact us at instruct.si@ki.si

Information on the workshop (please, follow the updates) is available at <https://instruct-eric.si/spa2026>



Instruct.SI krio-EM delavnica, analiza posameznega delca, 10.-12. november 2026

Delavnica o krio-EM analizi posameznega delca temelji na zelo pozitivnem odzivu udeležencev delavnice 'Osnove metodoloških pristopov v strukturalni biologiji' v 2024 in 'Napredne krio-EM delavnice, Analiza posameznega delca' v 2025. Letos Instruct.SI in Kemijski inštitut vabita k prijavi na delavnico o krio-EM, ki je zasnovana tako, da udeležencem-kam nudi smiselne praktične izkušnje, ki zajemajo skoraj celoten potek dela s krio-EM – od priprave mrežic EM do 3D rekonstrukcije.

Program delavnice vsebuje:

- Teoretično ozadje metode krio-EM
- Praktično delo v majhnih skupinah
- Sklope poskusov, ki vsebujejo pripravo mrežic s TFS Vitrobot Mk IV in uporabo mikroskopa TFS Glacios (pregled mrežic, zajem podatkov)
- Obdelavo in analizo krio-EM podatkov s 3D rekonstrukcijo
- Priložnost mreženja s strokovnjaki-njami iz področja krio-EM in drugimi uporabniki-cami metode

Kje in kdaj: Na Kemijskem inštitutu v Ljubljani, 10. - 12. november 2026

Kdo se lahko prijavi:

Delavnica je namenjena **raziskovalcem na vseh stopnjah kariere**, predvsem mlajši generaciji (magistrskim, doktorskim študentom-tkam in podoktorskim raziskovalcem-kam), ki že poznajo **osnove strukturne biologije** in želijo pridobiti ali nadgraditi praktične veščine s področja krio-EM.

V namen učinkovitosti delavnice, bo izbranih osem (8) udeležencev-nk na podlagi **CV in motivacijskega pisma**. Udeleženci-ke bodo imeli priložnost na kratko predstaviti svojo raziskovalno tematiko in na delavnico prinesiti svoje vzorce. Od teh bosta, na osnovi kvalitete in ustreznosti za krio-EM analizo, izbrana in analizirana do dva vzorca.

Prijava:

Udeležba je brezplačna in vključuje tudi kosila in okrepčila med premori.

Rok za prijavo je 2. oktober 2026. Prijave lahko oddate na <https://instruct-eric.si/spa2026>

Imate vprašanja?

Pišite nam na instruct.si@ki.si

Več informacij o delavnici (vključno s posodobitvami) je na voljo na <https://instruct-eric.si/spa2026>

