

Postdoc Research Group Schur

Full Time

| Klosterneuburg (Vienna), Austria

| € 56.000 gross/year*

IST Austria is growing. Grow with us!

IST Austria is a growing international institute for conducting frontier research in mathematics, computer science, and the life and physical sciences. We recruit passionate professionals from all over the world and from all fields who support our goals of excellence in research and science management. Located on a beautiful campus on the outskirts of Vienna, we offer numerous opportunities for personal growth in a stable working environment. [Get an insight!](#)

Joint postdoc project supported by Chan Zuckerberg initiative

The **Schur group** studies the molecular organization and structure of mechanisms that control cell migration and viral infection. To this end we use and develop new approaches for cryo-electron tomography and image processing and combine them with cell biology, genetics and biochemistry. The Schur group has a postdoc opening for a joint project with the **Danzl group** at IST Austria, supported by the **Chan Zuckerberg Initiative** via their Frontiers of Imaging program. In this project we are aiming to devise novel workflows to correlate cryo super-resolution light microscopy and cryo-electron-tomography at nanometer accuracy to contextualize protein locations. We will also develop open-source computational tools to guide structure determination and visual proteomics of uncharted proteins in crowded cellular environments.

Your profile

- PhD degree in Structural Biology, Computational Biology or related field completed within the past 5 years
- Experience in cryo-electron microscopy and associated image analysis, additional expertise in cell biology or biochemistry is highly valued
- High level of interest in developing new workflows for solving cell biological questions in *in situ* structural biology
- Committed to research excellence with a demonstrated relevant publication track record in leading scientific journals
- A proven ability to conduct independent research, as well as to work effectively as a member of a research team
- Interest in mentoring graduate students
- Ability to solve problems creatively and carefully
- Excellent command of English (working language)
- Excellent communication, interpersonal, organizational and time management skills

Application documents: motivation letter, CV, names of 3 references; **Deadline: July 23, 2021**

To submit your application please email: florian.schur@ist.ac.at

* This position comes with possible overpayment depending on education, qualification and work experience. IST Austria processes your personal data in accordance with the law. For more information, please refer to www.ist.ac.at/data-protection.

Your benefits



Education & training



Cafeteria



Childcare



Free shuttle bus



Multiple health offers



Pension insurance