

Postdoc Research Group Loose

Full Time

| Klosterneuburg (Vienna), Austria

| € 56,000 gross/year*

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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!](#)

The research interest of the **Loose group** is to understand how proteins self-organize into dynamic spatiotemporal patterns using an in vitro reconstitution approach.

Dynamic protein assemblies play an important role for the organization of the cell in space and time. They emerge from a complex interplay between many different cellular components. A mechanistic understanding of the underlying processes, however, is often still not available. In our group, we combine protein biochemistry, biomimetic membrane systems, fluorescence microscopy and image analysis to understand the emergent properties of biochemical networks that give rise to the living cell.

The candidate will work in our interdisciplinary group to study one of two fundamental biological processes: First, bacterial cell division, with a focus on the cytokinetic machinery of *Escherichia coli*. Second, intracellular compartmentalization and how regulatory networks the activity of small GTPases in space and time.

Your profile

- PhD degree in Biochemistry, Molecular Biology, Biophysics or related field completed within the past 5 years
- Experience in protein biochemistry, fluorescence microscopy and image analysis
- High level of interest in Small GTPase signaling and systems biochemistry
- 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 Deadline: March 31st, 2021

Application documents: cover letter, CV, publication list and the contact details of at least one referee. To submit your application please email: martin.loose@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



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