

Postdoc Research Group Loose

Full Time

| Klosterneuburg (Vienna), Austria

| € 53,500 gross/year*

IST Austria is growing. Grow with us!

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

The general aim of the **Loose group** is to understand the mechanisms of protein self-organization. We use protein biochemistry, fluorescence microscopy and image analysis to study the emergent properties of biochemical systems in an *in vitro* reconstitution approach.

In this research project, we want to understand how small GTPases are activated in space and time. An emerging theme in small GTPase regulation is the presence of signaling cascades, where the presence of an activated protein leads to the recruitment and activation of another. While GTPase cascades appear to be central for the control of membrane traffic, a quantitative biochemical characterization of the protein system is so far missing. Benefitting from our previous work, we aim to use a reconstituted *in vitro* system to study the emergent properties of the regulatory networks that control the activity of small GTPases in space and time. Find out more about our research and relevant publications on our website: looselab.org.

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: December 31st, 2020

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



Education & training



Cafeteria



Childcare



Free shuttle bus



Multiple health offers



Pension insurance