

Moll lab

Postdoctoral Position

About the Moll lab

Our group aims to unravel molecular mechanisms underlying the post-transcriptional regulation of gene expression in Bacteria, with a special focus on the regulatory capacity of the ribosome. We investigate the intricacies of ribosome heterogeneity and reprogramming of protein synthesis *in vivo* and *in vitro*, utilizing a comprehensive methodology that integrates advanced techniques in molecular biology and bacterial physiology employing the well-established model organism *Escherichia coli*.

Additionally, we enhance our research with structural studies to gain further insights into the various mechanisms that control ribosome diversity and selectivity. Current projects are aimed at understanding the role of conditional RNA modifications on translation dynamics in the bacterial stress response, which are embedded in the special research program [SFB RNA-DECO](#), representing a consortium of top RNA research labs in Austria investigating RNA modifications.

We are looking for a skilled, enthusiastic, and motivated **postdoctoral scientist** to join our team. The successful applicant will take a lead role in the project on regulatory roles of tRNA modifications in protein synthesis. Training and supervision will be provided throughout the project, but we also expect a high level of drive and independence. As part of our group, you will closely collaborate with colleagues and the group leader and contribute to the development of the team. We strive for a supportive feedback culture, a diverse and international team, and a place for creative and rigorous science.

This is part of your personality:

- PhD degree in Microbiology, Molecular Biology, Biochemistry, or related fields.
- Research competence and initiative proven through international publications in peer-reviewed journals.
- Extensive experience in molecular microbiology with a special emphasis on RNA biochemistry, transcriptomics, especially ribosome profiling, and bioinformatic data analysis. Previous experience with structural biology is a plus.
- Excellent command of written and spoken English.
- Team player and high social/communicative skills.

Your future tasks:

You actively participate in research, teaching, and administration, which means:

- Contribution to the project on regulatory roles of tRNA modifications in protein synthesis.
- Participation in writing scientific publications and grant applications.
- Participation in teaching and supervision of BSc and MSc students.
- You participate in the organization of meetings, conferences, and symposia.

What we offer:

Employment duration: The position is limited to 3 years and offers the possibility of extension for 1 year.

Fair salary: Job grading in accordance with collective bargaining agreement. The basic salary of EUR 4,351.90 (14 times a year) increases if we can credit professional experience.

Work-life balance: Our employees enjoy flexible, family-friendly working hours.

Inspiring working atmosphere: You are a part of an international academic team in a healthy and fair working environment.

Good public transport connections: Your workplace in the centre of beautiful Vienna is easily accessible by public transport.

Internal further training & Coaching: Opportunity to deepen your skills on an ongoing basis.

Equal opportunities for everyone: We look forward to diverse personalities in the team!

Application:

Interested applicants should send their **CV**, a **motivation letter** (describing experience and research interests), as well as the **contact information for at least two references** via e-mail with subject line 'Postdoc application' to Isabella Moll (Isabella.moll@univie.ac.at).

The position is available immediately with a flexible start date.

About the Max Perutz Labs

The Max Perutz Labs are a research institute established by the University of Vienna and the Medical University of Vienna to provide an environment for excellent, internationally recognized research and education in the field of Molecular Biology. Dedicated to a mechanistic understanding of fundamental biomedical processes, scientists at the Max Perutz Labs aim to link breakthroughs in basic research to advances in human health. The Max Perutz Labs are located at the [Vienna BioCenter](#), one of Europe's hotspots for Life Sciences, and host 44 research groups, involving around 400 scientists and staff from more than 50 nations.

www.maxperutzlabs.ac.at