Querques lab

Research technician

The Querques Lab is seeking a Research Technician to support and contribute to the development of our ongoing research projects.

About the Querques lab

Our lab focuses on understanding the molecular mechanisms by which mobile genetic elements (MGEs) move between and within genomes. We aim to explore the biological impacts of MGEs on genome remodeling and leverage this knowledge to develop them as tools for genome engineering. Our research combines structural biology techniques (primarily cryo-electron microscopy) with biochemical, biophysical, and biotechnological methods, including cell-based assays, protein design, and genome editing experiments.

For further details about the Querques lab, please visit https://www.maxperutzlabs.ac.at/research/research-groups/querques.

About the position

We are looking for a highly motivated scientist to play an active role in our research activities. The successful candidate will contribute to research projects through experimental work and data analysis within a highly collaborative environment. Key responsibilities will include:

Research (70%)

- Developing and supporting various research projects in biochemistry, molecular biology, genome editing, or related areas, while demonstrating independence and teamwork in close collaboration with other team members.
- Utilizing and mastering a range of molecular and cell biology techniques, including cloning, protein/DNA electrophoresis, protein expression and purification, cell culture maintenance, transfection protocols, CRISPR/Cas9 gene editing, and flow cytometry.
- Actively engaging in group meetings and journal clubs, keeping up with relevant scientific literature, and consulting with team members on ongoing projects.
- Identifying opportunities to enhance shared resources and protocols and implementing improvements.
- Training team members in the use of specialized equipment, as well as providing guidance on general lab equipment and standard operating procedures.

Lab Administration (30%)

- Gathering and placing lab orders, collecting receipts, and monitoring expenditures.
- Managing lab stocks, databases, records, and inventory.
- Acting as a point of contact for communications with technicians/sales representatives.
- Acting as the responsible person for toxic waste disposal.
- Maintaining cell stocks.
- Assisting with the onboarding of new team members.

Candidates should

- Hold a Master's degree in biochemistry, molecular biology, or a related discipline. Candidates holding a PhD are also highly considered.
- Have at least 2 years of hands-on experience in a research lab (for candidates with a Master's).
- Have experience with recombinant protein expression, protein purification, and mammalian cell culture maintenance. Experience with biophysical characterization of proteins and structural biology techniques is highly desired but not essential.
- Be self-motivated and able to perform complex tasks effectively and independently.
- Have excellent oral and written communication skills in both English and German.
- Have exemplary organizational skills and attention to detail.
- Be able to work effectively in a team.

We are looking for someone

- who is excited by science
- who is fascinated by molecular mechanisms and genome engineering applications
- who is creative, critical, and communicative

Application

Please include the following in your application:

- A motivation letter.
- A CV with detailed descriptions of your work experience. Please include contact details for at least two references.

Please submit your application package to: irma.querques@univie.ac.at. Interviews will be conducted on a rolling basis, and the position will be filled as soon as a suitable candidate is found. Salary will be determined according to the University "Kollektiv-Vertrag," based on qualifications and experience.
https://personalwesen.univie.ac.at/jobs-recruiting/gehaltsschema/

The position is available starting February 1, 2025.

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 (www.maxperutzlabs.ac.at) are located at the Vienna BioCenter, one of Europe's hotspots for the Life Sciences, and host 43 research groups, involving around 450 scientists and staff from more than 50 nations.