Huis Lab

MSc student

Please continue reading if you are:

- soon ready to pursue your MSc thesis project
- interested in the protein machinery that makes our cells divide accurately
- eager to learn and master new methods
- keen to work in a collaborative and international environment

About the lab:

In the **Huis lab**, we investigate **the molecular mechanisms of genome stability and chromosome segregation** in human cells. To do so, we integrate protein biochemistry with structural biology and cell biology. Look at **our website** for more information and a selection of recent work.

We offer **two projects** and are looking for two students. Both projects focus on mechanisms in mitotic cells that secure the transmission of complete and damage-free copies of the genome to daughter cells. DNA damage during anaphase. We study **what happens at DNA breaks on mitotic chromosomes** and **how connections between sister chromatids prevail in anaphase and emerge as DNA bridges**. In one project we take a cell biology approach, including genome engineering and imaging. The other project is biochemistry-heavy and includes the reconstitution of protein – DNA interactions and post-translational modification patterns to study DNA bridges using bulk and single-molecule biochemistry.

We offer:

- a chance to drive your own research project and to master state-of-the-art biochemistry and cell biology.
- an ambitious project for 8-12 months (30 ECTS) with a reimbursement of 500 Euro per month, optionally preceded by a 2-month rotation (10 ECTS).
- the environment to work hard and make a discovery while also being supportive and flexible. For example regarding remaining coursework and exams.

Application Procedure:

This project will ideally **start in September or October 2026**. Interviews with selected candidates will be coordinated in the second half of April and May. The position will remain open until it is filled. To apply or to request more information, please contact Pim Huis in 't Veld: **pim.huis@maxperutzlabs.ac.at**. Please include your motivation and a CV and, optionally, reference(s) and a transcript of study records.

MAX PERUTZ LABS
Vienna BioCenter • Dr.-Bohr-Gasse 9 • 1030 Vienna
Tel: +43 1 4277 24001 • office@maxperutzlabs.ac.at
www.maxperutzlabs.ac.at

A joint venture of universität wien and MEDIZINISCHE UNIVERSITÄT WIEN
Part of Vienna BioCenter

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 around 40 research groups, involving approximately 450 scientists and staff from more than 50 nations.

www.maxperutzlabs.ac.at