

## Karagöz Lab

# Master's Thesis Project

## About the Karagöz lab

The Karagöz Lab combines cell biology with systems-level approaches and *in vitro* reconstitution to dissect cellular protein-quality control pathways. Currently, our team consists of a group of talented PhD, master's students and research technicians working on diverse topics to reveal how cells respond to proteotoxic stress.

## About the project

We are looking for a highly motivated master's student to work on ribosome-associated protein quality control during endoplasmic reticulum (ER) stress in collaboration with the Dagdas Lab at the GMI. Protein synthesis by the ER-bound ribosomes is tightly connected with the ER homeostasis. In this project, we aim to mechanistically dissect how accumulation of the misfolded proteins in the ER affects translation of the proteins on the ER membranes. You will work in a team with PhD student Aleksandra Anisimova, who has expertise in state-of-the-art next generation sequencing methods and established fundamental steps towards the project.

## Candidates

Successful candidates will:

- Isolate ribosomes for mass spectrometry analyses and subsequent characterization by western blot analyses
- Perform biochemical assays coupled with immunoprecipitation
- Be involved in preparing next generation sequencing libraries

We are looking for a highly motivated candidate with:

- Basic knowledge in biochemistry, molecular and cell biology
- Motivation to learn and establish assays and methods
- Fluency in English and good communication skills

## Application

- Please send your **CV** and **motivation letter** by e-mail to [elif.karagoez@univie.ac.at](mailto:elif.karagoez@univie.ac.at)
- Initial deadline for the application is **September 29<sup>th</sup>, 2021**. If not filled, the review of applications will continue thereafter until the position is filled.
- The position is **open from October 1<sup>st</sup>, 2021** on. An initial contract will be for nine months or a year with a possibility of extension if required.

## Contact

For further details, please do not hesitate to contact Elif Karagöz

E-mail: [elif.karagoez@univie.ac.at](mailto:elif.karagoez@univie.ac.at)

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

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