

## MASTER STUDENT POSITION

**The Ameres lab is looking for highly motivated master student to characterize novel post-transcriptional gene regulatory mechanisms.**

We are an internationally competitive, innovative and creative research group investigating fundamental cellular mechanisms in the regulation of gene expression and RNA metabolism by combining genome-wide experiments with cutting edge genetic-, molecular- and biochemical assays. We are looking for a highly motivated and dedicated master student to work on a project aiming to identify and characterize novel post-transcriptional gene regulatory proteins.

Post-transcriptional gene regulation has emerged as a key means to tune protein expression and aberrations therein represent a major cause of developmental defects and diseases. Despite its emerging importance, the overall range of post-transcriptional control, its underlying pathways and components as well as their mechanistic interplay remain only poorly understood. To unravel the landscape of post-transcriptional gene regulatory mechanisms we developed a novel approach to systematically identify post-transcriptional gene regulatory proteins in mouse embryonic stem cells. The advertised project aims to identify and characterize putatively novel post-transcriptional gene regulatory proteins using state of the art functional genomics, as well as classical biochemistry and mass spectrometry. Besides gaining in-depth insight into an emerging field of molecular biology, the project offers the opportunity to acquire a broad range of technical skills and to learn to independently conduct a research project.

Candidates are expected to be fluent in English, have excellent communication and inter-personal skills and to be highly motivated to become part of an international and multi-disciplinary research group. Candidates should hold a BSc. degree in Molecular Biology, Bio-chemistry, Cell Biology or a related field and have laboratory experience in basic molecular, cellular and biochemical techniques (e.g. mammalian cell-culture, molecular cloning and protein chemistry).

We offer a young, dynamic and international working environment at IMBA (Institute of Molecular Biotechnology), a world class research institute with a strong focus on RNA biology, molecular medicine and stem cell research. IMBA is part of the Vienna BioCenter Campus (VBC, <https://www.viennabiocenter.org/-career/why-work-here/>), offering a highly interactive and collaborative environment with an outstanding scientific infrastructure.

Applications with a motivation letter and CV highlighting relevant theoretical and practical background should be sent to [applications.ameres@imba.oeaw.ac.at](mailto:applications.ameres@imba.oeaw.ac.at)

