

Medical University of Innsbruck
Institute of Human Genetics
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MEDIZINISCHE
UNIVERSITÄT
INNSBRUCK



JOB ADVERTISEMENT

PhD Position

Third-party funded, classification B1/01 university collective agreement, 75 %, starting Autumn 2020, limited to three years

RESEARCH FIELD:

We are highly interested in the molecular basis of inherited metabolic diseases and the development of novel therapeutic approaches. Our current main focus is on complex lipid metabolic processes that shape mitochondrial membranes and other cellular functions. We have developed specialized mass-spectrometry based methods that allow us to carry out comprehensive quantitative lipidome analyses, and found computational strategies to link the results to cellular metabolism.

In the current PhD project, we will examine the interdependency and regulatory potential of mitochondrial membrane lipid states and environmental factors that shape central carbon metabolism. For background information, we recommend reading the following manuscripts: Oemer and Koch et al. 2020 ([10.1016/j.celrep.2020.02.115](https://doi.org/10.1016/j.celrep.2020.02.115)), Oemer et al. 2018 ([10.1073/pnas.1719407115](https://doi.org/10.1073/pnas.1719407115)), and Oemer et al. 2020 ([10.1101/2020.02.10.937433](https://doi.org/10.1101/2020.02.10.937433)).

REQUIREMENTS:

We encourage the application of PhD candidates with an experimental-analytical background. You should:

- i) hold a MSc or Diploma degree or equivalent in basic sciences
- ii) have documented productivity in form of e.g. published research, excellent grades, internships,
- iii) have a strong interest in systematic, large-scale liquid chromatography and mass spectrometry experiments, and
- iv) be motivated to collaborate in our young and dynamic research team.

Experimental skills in Cell Biology and Biochemistry as well as prior coding experience are desirable.

SALARY:

The monthly minimum salary is € 2.196,80 gross (14 times a year) and can possibly increase on basis of the university collective agreement and other special particularities of the workplace.

APPLICATION:

Applications consisting of a CV detailing previous academic achievements, a motivational statement, and the names and contact details of two referees should be addressed to Dr. Markus A. Keller at humgen@i-med.ac.at.