

PhD student (m/f/d) Nutritional programming of hepatic chromatin landscapes

At the Chair of Metabolic Programming (Prof. Dr. Henriette Uhlenhaut), we are looking for a curious and motivated graduate student (m/f/d/) to obtain their PhD degree in functional genomics. The project is integrated into the CRC 1064 Chromatin Dynamics (funded by the Deutsche Forschungsgemeinschaft (DFG)), focusing on diet-induced mechanism of chromatin interactions by the glucocorticoid receptor.

About us

The research activities of Prof. Dr. Henriette Uhlenhaut (Metabolic Programming, TUM School of Life Sciences Weihenstephan and Helmholtz Diabetes Center Neuherberg) are focused on transcriptional regulation and endocrinology. As part of the Chromatin Dynamics Consortium, our lab combines functional genomics, proteomics, metabolomics and bioinformatics approaches with a variety of genetic in vivo and in vitro models to study gene regulatory mechanisms in health and disease.

Major areas of study include nuclear hormone receptors, innate immune responses, circadian clocks and metabolic homeostasis. Hot topics are the impact of stress hormones on diet induced pathologies and aging.

The Technical University of Munich (TUM) is one of Europe's top universities. TUM is committed to excellence in research and teaching, interdisciplinary education and the active promotion of promising young scientists. Our international team is part of several larger research consortia in Munich.

Candidate profile

We are looking for an enthusiastic and ambitious candidate with an excellent Master's degree in Molecular Genetics, Biochemistry, Biotechnology, Biology, or related life sciences. Applicants should demonstrate the following qualifications.

- General interest in physiology, endocrinology, metabolism or immunology.
- Basic knowledge in functional genetics, molecular biology and physiology
- Willingness to work with mice
- Eager to apply bioinformatics and statistical tools
- Enthusiastic and highly motivated team player with a strong sense of responsibility
- Excellent communication skills to enable working independently in an interdisciplinary environment.
- Flexible, scientifically adventurous, curiosity-driven minded with the talent to drive the project with original ideas.
- High proficiency in spoken and written English

We offer:

- a challenging interdisciplinary project at the interface of genomics, nutrition and biomedicine
- well-equipped laboratories with top-notch facilities and a highly collaborative international atmosphere at the Munich Universities and research institutes at Helmholtz Zentrum Munich
- Close mentorship and a thriving international research team

Salary will be determined according to the German collective wage agreement in public service (TV-L 13, 65%) 3 years.

Application

For full consideration, applications, including motivation letter, CV, certificates and two recommendation letters or references should be submitted to <https://www.sfb1064.med.uni-muenchen.de/nowhiring/index.html>, before 30.06.2021

Website:

<https://www.metabolism.wzw.tum.de/>

<https://www.helmholtz-muenchen.de/idc/forschung/arbeitsgruppen/division-molecular-endocrinology/main-projects/index.html>

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