

Open PhD position (f/m/d) at the Department of Pediatrics III (Pediatric Cardiology, Pulmonology, and Cystic Fibrosis), Medical University of Innsbruck, Austria.

The job

The offered PhD position is part of a FWF-funded Principal Investigator project bound to the Tenure Track position for Pediatric Cardiology (metabolic cardiogenetics) (KLIF1036, NCT04764305). The project focuses on regulatory processes on the molecular level in patients with complex congenital heart disease before, and after Fontan operation, esp. on translational multi-omics regulatory analyses with network establishment aiming at risk stratification for the development of Fontan-associated comorbidities: Understanding Fontan through molecular and cellular approaches - Fontanology (<https://fontanology.org/>) (doi: 10.3390/ijms25105416, doi: 10.1038/s41598-020-65852-x).

Based on the outlined research, an expansion of the currently binational to a multinational multicenter study with the aim of implementing a European registry on omics research in these patients will be part of the PhD task, as will be the implementation of an interventional study-arm on the use of middle chain triglycerides in those patients (doi: 10.3390/metabo13080932).

The applicant ideally will be enthusiastic about working with large-scale datasets, and motivated in conducting statistical analyses using sophisticated methods. He/she will be an integral part of our multidisciplinary team. Good communication skills (English, German), independence, and a sense of proactivity and responsibility are required.

Your profile

- Master's degree in a relevant subject such as molecular medicine, biology, biochemistry, biostatistics, bioinformatics, or equivalent
- Interested in research on cardiometabolic disease
- Motivated to learn new tasks and being able to work independently
- Skilled in programming statistical software
- Experience in programming in high-performance computing environments is a plus
- Strong team player with excellent interpersonal and clear communication skills
- Keen to be engaged in a multi-disciplinary team
- Evidence of scientific rigor as documented by first author peer-reviewed publications
- Fluent in English both oral and written
- Proactivity and responsibility are mandatory

We offer

- Immediately available 75% PhD position for 4 years
- An interesting research project using cutting-edge statistical methods
- Integration into a supportive and interdisciplinary research environment
- International collaborations
- For a 75% post, annually gross salary about € 33.432

Venue

Innsbruck is a both historic and modern university town of 130.000 inhabitants, in the heart of the alps, combining urban comfort and country idyll. It is an excellent base for numerous outdoor activities such as skiing, hiking or biking.

Contact

To apply: Please e-mail your CV, a letter of motivation, and names and contact information for 2-3 references to: Ass.-Prof. PD Dr. Miriam Michel, e-mail: miriam.michel@i-med.ac.at