

We are looking for a motivated and creative scientist to join the Neurogenetics lab at the Institute of Medical Genetics at the Medical University Innsbruck as a

PhD student

in bioinformatic data analysis of neurogenetic diseases

The work will focus on the computational analysis single-cell RNA sequencing data of neurodegenerative disease models and use new bioinformatic tools and pipelines to uncover thus far hidden variants in long-read whole-genome sequencing datasets of unresolved patients with neurological phenotypes.

Your profile

- A BSc+MSc degree in life sciences or in a quantitative discipline such as computer sciences or a medical degree.
- Familiarity with the linux command line and basic programming in python and/or R as well as a basic understanding/a willingness to learn concepts of neuroscience and cell biology.
- Hands-on experience in applying bioinformatics and data science methods.
- An inquisitive mindset with documented productivity (e.g. with original contributions in undergraduate research projects).

We offer

You would join a young and motivated team that has fun solving basic mechanisms of neurogenetic disease. The lab employs a broad mix of approaches, such as single-cell bioinformatics and long-read WGS, Drosophila experimental models, human cell systems, loads of microscopy and genome engineering. Thus, there are a lot of opportunities to collaborate, learn and work on meaningful scientific problems with cutting edge approaches at the interface between basic science and human disease. The minimum gross salary for this position is regulated according to the collective agreement and amounts to € 39.649,05 gross per year.

To apply

Please send your informative application encompassing a motivation letter, CV and contact details of two referees to roman.praschberger@i-med.ac.at with the reference PhD-2026-neurogenetics.

