



Medical  
University of Graz

Diagnostic & Research Center for  
Molecular BioMedicine

Diagnostic & Research  
Institute of Human Genetics

## Open positions at the Institute of Human Genetics at the Medical University of Graz

Human genetics deals with all aspects of the human genome, making it a cutting-edge subject with a central role in transforming many clinical disciplines towards the emerging field of molecular medicine. The Institute of Human Genetics at the Medical University of Graz covers these areas and is directly involved in patient care and current research. Novel techniques, such as next-generation sequencing, require entirely new strategies for data analysis (e.g., support vector machines, machine learning, or logistic regression) to develop procedures that will permanently change medicine and people's lives. We offer the opportunity to be part of this revolution and have two positions available:

One position has a focus on supporting our diagnostics team. This includes management of big data datasets, a detailed understanding of human genome characteristics, and interpretation of variants, i.e., elucidation of which changes in the genome can lead to diseases. In this regard, we are continuously updating commercially available tools or developing them tailored to our needs.

The second position is research-oriented. Our institute has a strong track record in liquid biopsy research. "Liquid biopsy" refers to novel technologies where specific peripheral blood parameters are scrutinized, aiming at non-invasively diagnosing diseases such as cancer. In fact, liquid biopsy is hailed as one of the most promising novel technologies in medicine, with the potential of novel options for early disease detection or the improvement of specific treatments.

Do you want to be part of these exciting, transformative developments? We are looking for motivated individuals (f/m/d) to join our team.

### What you will bring to the team

- Bachelor or higher degree in computing, informatics, data science, health informatics (eHealth), or a similar area
- Interest in medical research and general curiosity in solving complex biological questions
- Programming skills, in particular with Python and R and their standard libraries
- Ability to summarize and communicate the progress of work at team meetings
- Ideally, interest in a full-time position

### What we offer in return

- An international, amiable, supportive working atmosphere. Don't worry about the medicine/biology at first: We have experience in equipping informaticians with the necessary biology basics
- Flexible working hours and state-of-the-art equipped workplace
- A truly translational research team dedicated to expanding on all areas within medicine related to the human genome

- You will be involved in exciting projects which will change the prospect of many persons with diseases
- Opportunities to participate at national and international scientific workshops and conferences
- Competitive remuneration

Please send us your application or contact us to learn more about these opportunities.

**Contact:**

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