



**Medical  
University of Graz**

**Diagnostic & Research Center for  
Molecular BioMedicine**

**Diagnostic & Research  
Institute of Human Genetics**

## **Internship at the Institute of Human Genetics at the Medical University of Graz**

The Liquid Biopsy Research group at the Institute of Human Genetics at the Medical University of Graz is looking for your support in an exciting research project. "Liquid biopsy" refers to a novel technology where certain parameters of the peripheral blood 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 the field of medicine with the potential of novel options for early disease detection or the improvement of the selection of specific treatments.

Currently, we are looking for students (f/m/d) who would like to gain insights into multi-parametric analyses of several features from blood using support vector machines, machine learning and logistic regression. You will support our research mission as it relates to whole-genome sequencing of DNA fragments extracted from the peripheral blood. We will transform these sequencing data into coverage patterns and decipher them to gain insight into potential disease stages of an individual.

### **What you will bring to the team**

- Bachelor's degree in computing, informatics, data science 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 progress of work at team meetings

### **What we offer in return**

- Very friendly and supportive working atmosphere. Don't worry about the 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 precision medicine
- You will be involved in an exciting project, which will change the prospect of many persons with diseases
- Excellent remuneration

### **Applications are always welcome on an ongoing basis!**

We are looking for motivated students to join our team. Please send us your application or reach out if you would like to learn more about this opportunity.

### **Contact:**

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