

Master Thesis Opportunity

## *Characterization of Minimal Residual Disease in Acute Lymphoblastic Leukemia*

---

### About the Project

We are offering an exciting **Master's thesis opportunity** for a motivated student with a background in life sciences.

You will contribute to an innovative research project focused on understanding **minimal residual disease (MRD)** in **Acute Lymphoblastic Leukemia (ALL)** using advanced **whole-body DISCO tissue clearing and imaging technologies**. The project aims to visualize and characterize residual leukemic cells at high resolution, providing new insights into disease persistence and treatment response.

---

### What We Offer

- A dynamic and collaborative research environment
- Training in state-of-the-art biological and computational methods
- The opportunity to bridge theory and practice in a high-impact health research context
- Opportunities for personal and professional development

---

### Your Profile

- Enrolled in a **Master's program** in Biology, Biochemistry, Biomedical Sciences, or a related field
- Prior laboratory experience in tissue handling and immunostaining is desirable
- Structured, reliable, and independent working style
- Strong team spirit and enthusiasm for interdisciplinary science

---

### Your Tasks

- Whole-body immunolabelling and tissue clearing
- 3D imaging and image analysis
- Proteomics sample preparation
- Paraffin sectioning and laser capture microdissection
- Immunofluorescence staining and confocal microscopy

---

### Position Details

**Contract Duration:** 6 months

**Preferred Start Date:** July / August

**Remote Work:** No

**Working Hours:** Full-time / Part-time possible

---

### Application Documents

Please submit: Motivation letter, Curriculum Vitae (CV), Academic transcripts

Please send your application to:

**Stefanie.Reitinger@helmholtz-munich.de**