

# JOIN OUR TEAM!

Research Unit  
Type 1 Diabetes Immunology (TDI)

[www.helmholtz-munich.de/en/tdi](http://www.helmholtz-munich.de/en/tdi)  
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## Master Student for Research Internship and/or Master Thesis

🕒 full time, starting ASAP 📍 Munich, Heidemannstr. 1 💡 Master students or by arrangement

The **Research Unit Type 1 Diabetes Immunology** at Helmholtz Munich focusses on understanding the role of regulatory T (Treg) cells in the immunopathology of autoimmune diseases such as Type 1 Diabetes (T1D). To do so, we combine the analysis of human immune cells from different disease stages with mechanistic studies in murine and humanized in vivo models.

We focus on two main research topics: dissecting key molecular mechanisms of Treg impairments in T1D and investigating the heterogeneity, plasticity and functional specialization of Tregs in metabolic tissues of diabetes. Our studies have the overarching goal to facilitate the future therapeutic and context-specific manipulation of Tregs in (autoimmune) diabetes.

We are looking for a highly motivated and competent Master student for the project “Th9 cells – novel regulators of islet autoimmunity”.

### General methods:

- Flow cytometry and cell sorting (FACS)
- T cell isolation from various murine tissues and/or human peripheral blood
- mRNA/miRNA expression analysis
- T cell differentiation assays in vitro
- ELISA for autoantibody detection in plasma

### Your qualifications:

- High scientific interest
- Initiative, high motivation and problem-solving abilities
- Willingness to work with laboratory mice
- Knowledge of immunology beneficial
- Good communication and presenting skills in English

**Interested?** Please send inquiries with transcripts and detailed CV (focus on previous lab experience) to

**Dr. Isabelle Serr (Project Leader):**

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