



The Klein lab at the Institute for Immunology, Biomedical Center, **Ludwig-Maximilians-Universität (LMU) Munich**, is currently recruiting within the

## Collaborative Research Center 1054 "Control and Plasticity of Cell-Fate Decisions in the Immune System"

### PhD student in Immunology

The Munich-based Collaborative Research Centre (CRC) 1054 ([www.sfb1054.med.lmu.de](http://www.sfb1054.med.lmu.de)) explores the control of cell-fate decisions in the immune system. Its Integrated Research Training Group (IRTG) provides a structured framework for training and supervision of doctoral candidates.

Research in the Klein lab aims at elucidating the cellular interactions and molecular pathways that orchestrate the generation of a functional and self-tolerant T cell repertoire ([www.immunologie.med.lmu.de](http://www.immunologie.med.lmu.de)). We are combining genetically manipulated mouse models, single-cell or whole-repertoire TCR sequencing and TCR re-expression in retro-or transgenic mice to dissect T-cell-intrinsic and -extrinsic determinants shaping the T cell pool during repertoire selection in the thymus and in autoimmune settings.

Selected references: Hassler et al. (2019) PNAS 116(37); Klein et al. (2019) Nat Rev Immunol, 19(1); Yamano et al. (2015) Immunity, 42(6); Klein et al. (2014) Nat Rev Immunol, 14(6).

#### Your profile:

- Master's degree in life sciences, ideally with knowledge of cellular and molecular immunology.
- Experience in flow cytometry, animal experimentation and/or bioinformatics is a plus, but not mandatory.
- Curiosity, team spirit and enthusiasm for science.

#### We offer:

- Modern workplace with cutting-edge technology embedded in a stimulating scientific community at the Biomedical Center of the LMU.
- A dynamic international team.
- Participation in structured programs (IRTG, MMRS) that offer scientific and soft-skills training.
- Employees are remunerated according to salary group E 13 TV-L (65%)
- Start date is ASAP.

Submit your application (merged PDF including letter of motivation, *curriculum vitae*, degree certificates, two references) to Ludger Klein at [Ludger.klein@med.lmu.de](mailto:Ludger.klein@med.lmu.de). Informal inquiries prior to or in parallel to submission of a full application are encouraged.

*The LMU is committed to a family-oriented policy and is an equal opportunity employer, specifically welcoming female scientists' applications. Severely disabled persons with similar qualifications will be given priority.*