

The Würzburg Institute for Systems Immunology at the  
University of Würzburg / Max Planck Research Group  
invites applications for

**Postdoc Position in Systems Immunology (f/m/d)**

The Kastenmüller lab focuses on cell-cell interactions, cellular localization and migration between and within tissues during homeostasis, infection and immunotherapy as well as the development of new animal models. To address these topics, we combine classical immunological assays like multicolour flow cytometry with cutting edge microscopy including 2-photon imaging of live animals, confocal analysis of tissue sections and whole mount preparations. The Institute is engaged in multiple collaborations with Max-Planck Institutes, other departments at the University of Würzburg, as well as with other leading national and international research groups.

The research projects are ERC funded and aim to understand fundamental aspects of lymphocyte biology using newly developed animal models for intravital imaging and cellular targeting.

**We offer:**

- The opportunity to work on a fascinating scientific topic in an international research team
- Continuous scientific mentoring and academic training with the aim for an academic career
- Cutting edge technology (scRNA seq, intravital microscopy) in a vibrant, competitive but highly collaborative and supportive scientific environment

**Requirements:**

- PhD in life science
- Sound knowledge and strong interest in immunology, cell biology or biochemistry
- Experience with conditional knock out mice and animal handling
- Fluent speaking and writing skills in English (German is not required)
- Motivation, reliability and dedication to work in an academic research lab are a must

**Applicants with the following qualifications are preferred:**

- Experience with multi-colour flow cytometry
- Hands-on knowledge of mouse models of autoimmunity and infection
- Immune cell isolation and in vitro culture methods
- Experience with molecular and biochemical standard lab methods
- Experience with (single-cell) RNA-sequencing analysis and bioinformatics
- Experience with imaging approaches

Full applications with code No. 2019/SI 05 should be sent via mail to [systemimmunologie@uni-wuerzburg.de](mailto:systemimmunologie@uni-wuerzburg.de) in a single PDF file until 31.10.2019. The application must include a motivation letter with a brief description of past scientific achievements and academic goals (2 pages max.), a recent CV (with publication record) and at least two independent references (with full address, email and telephone number).

The University of Würzburg aims to increase the number of women in science. Therefore, women are especially encouraged to apply for this position. Physically handicapped persons will be preferred in case they are equally qualified. Salary and benefits are according to the public service positions in Germany (TV-L).