

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

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

ERC-funded projects on networks of tissue-resident lymphocytes

The Gasteiger lab focuses on the development, functions and local interactions of tissue-resident lymphocytes (ILCs, innate lymphoid cells, TRM, tissue-resident memory T cells) during homeostasis, infection and immunotherapy. To address these topics, we combine classical immunological assays like multicolour flow cytometry with cutting edge microscopy, single-cell sequencing and genetic animal models (e.g. Zeis et al., Immunity, preaccepted). The Institute is engaged in multiple collaborations with Max-Planck Institutes, the center for artificial intelligence (CAIDAS), translational imaging (RVZ) and RNA Biology (HIRI) in Würzburg, as well as with leading national and international research groups. The research projects are funded by the ERC and through the German network for the study of innate lymphoid cells (DFG priority programme SPP1937) and aim to understand fundamental aspects of the functions of lymphocyte networks in different tissue-contexts.

We offer:

- The opportunity to work on fascinating scientific topic in an international research team
- Continuous scientific mentoring and academic training to prepare for an academic career
- Cutting edge technology (scRNA seq, spatial transcriptomics, advanced microscopy) in a vibrant, highly collaborative and supportive scientific environment

Requirements:

- PhD in life sciences or related disciplines
- Sound knowledge and strong interest in immunology, cell biology or computational biology
- Experience with conditional knock out mice and animal handling
- Motivation 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
- Experience with (single-cell) RNA-sequencing analysis and bioinformatics
- Experience with imaging approaches

For further information about the research areas of the Gasteiger lab you can visit the website: <https://www.med.uni-wuerzburg.de/en/systemimmunologie>. Full applications or further questions should be sent via mail to systemimmunologie@uni-wuerzburg.de in a single PDF file. 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).