

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

**PhD Position in Immunology  
- Graft versus Host disease and the Microbiota -**

The research group of Dr. Mercedes Gomez de Agüero at the Institute for Systems Immunology investigates host-microbial interactions, in particular in early life (Gomez de Agüero M. et al. 2016 Science) with a focus in the barrier tissues (Gomez de Agüero M. et al. 2012 JCI, Hacini F, Gomez de Agüero M. et al. JACI 2017) and the role in infections, auto-immune diseases or cancer. State-of-the-art preclinical gnotobiotic animal models, together with molecular and cellular methods are applied in our research. The research project focus to decipher the mechanisms underlying the crosstalk between the myeloid compartment and the microbiota on the Graft versus Host disease (DFG funded project).

**We offer:**

- The opportunity to work on a fascinating scientific topic in an international research team
- Continuous scientific mentoring and academic training
- Cutting edge technology and methods in a vibrant scientific environment
- Training in the Graduate School of Life Science at the University of Würzburg
- Salary and benefits are according to the public service positions in Germany (TV-L)

**Requirements:**

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

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

- 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

For details, please contact Dr. Mercedes Gomez de Agüero directly via [mercedes.gomez@uni-wuerzburg.de](mailto:mercedes.gomez@uni-wuerzburg.de). Full applications with code No. 2022/SI025 should be sent via mail to [systemimmunologie@uni-wuerzburg.de](mailto:systemimmunologie@uni-wuerzburg.de) in a single PDF file until 01 December 2022. 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, if applicable) 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.