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

Postdoc Position in Phage, Bacteria and Mammalian interactions.

The research group of Dr. Mercedes Gomez de Agüero investigates host-microbial interactions in early life with a focus in the development of the skin, the selection of early life colonizers, and the prevention of infections (Gomez de Agüero, 2016, Science; Feuerstein, 2020, eLife; Yilmaz, 2021, Cell Host Microbes). The available research project aims to characterize the dynamic and mechanisms of phage, bacteria and host interactions in the neonatal skin. This project will benefit of the ImmunoRegulation of Newborn- IRoN Clinical Study, the state-of-the-art of preclinical gnotobiotic animal models, high-throughput sequencing and microscopy technologies. The project is part of the DFG priority program SPP 2330. The members of the network meet regularly to discuss and exchange ideas, giving the candidates an excellent networking opportunity.

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
- Salary and benefits are according to the public service positions in Germany (TV-L)

Requirements:

- Excellent PhD in life science (or equivalent)
- Sound knowledge and strong background in microbiology, phage biology or immunology.
- Experience with 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:

- Experience with multiparametric flow cytometry
- Hands-on knowledge of gnotobiotic mouse models
- Immune cell isolation and *in vitro* culture methods
- Experience with molecular, and biochemical standard lab methods
- Experience with metagenomic, metatranscriptomic, RNA-sequencing analysis and bioinformatics

For details, please contact Dr. Mercedes Gomez de Agüero directly via mercedes.gomez@uni-wuerzburg.de . Full applications with code No. 2021/SI15 should be sent via mail to systemimmunologie@uni-wuerzburg.de in a single PDF file until 01 August 2021. 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.

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