



## The Institute of Immunology offers the opportunity for graduation in the field of autoimmunity and immunoregulation.

### Duties and Responsibilities:

Mast cells are central to the pathogenesis of allergic diseases mediated by crosslinking of the FcεRI and the IL-33 receptor (IL-33R). The ligand of IL-33R, the interleukin 33 (IL-33), is released upon necrosis of endothelial or epithelial cells. We hypothesize that IL-33 and its receptor determines the functional characteristics of mast cells and converts pro-inflammatory into anti-inflammatory mast cells. Thus the IL-33R represents a signaling node for dynamic regulation of mast cells. In this project we want to characterize the anti-inflammatory characteristics of different mast cell populations.

### Requirements/qualifications:

An excellent Master degree in Biochemistry, Biology or Molecular Medicine, within a short duration of study. A strong interest in immunology, excellent interpersonal and communication skills are essential. Prior experience in molecular biology and protein analytic. Self-motivation and curiosity are essential to be part of an international interdisciplinary team of clinicians and basic scientists.

### We offer:

support in your application for a scholarship, e.g. Thüringer Landesgraduiertenstipendium, Studienstiftung des Deutschen Volkes.  
opportunity for research on an innovative and worldwide unique research platform  
a communicative atmosphere within a scientific network providing top-level research facilities  
educational and other family related benefits  
the place of work is Jena, Germany, a young and lively university town with dynamic business activities, successful scientific centers of innovation, and a vibrant cultural scene around a university with a rich tradition

Please send your application to [sebastian.drube@med.uni-jena.de](mailto:sebastian.drube@med.uni-jena.de)

For further information please contact

Dr. Sebastian Drube  
Institute of Immunology  
Leutragraben 3, D-07743 Jena  
Phone: +49 (0) 3641 9397505  
E-Mail: [sebastian.drube@med.uni-jena.de](mailto:sebastian.drube@med.uni-jena.de)