

## Doctoral opportunity in Equine Asthma Immunology

A 3-year fully funded Doctoral Candidate position is available in the DFG (German Research Foundation) -funded Emmy-Noether-Research-Group of Dr. Christiane Schnabel, Institute of Immunology, Faculty of Veterinary Medicine, Leipzig University, Germany, starting by 2023.

### **Are you an enthusiastic future doctoral candidate interested in contributing to our research on adaptive immune responses in severe Equine Asthma?**

My Emmy-Noether-Research Group takes a bottom-up approach to analyze adaptive immune responses in severe Equine Asthma, identify disease-relevant antigens, and unravel the immune pathogenesis of this important disease of horses. As the successful candidate, you will study antigen-specific immune responses with a focus on equine T cells. In this basic research project, we employ state-of-the-art methods of immunology and molecular biology: The work program involves a variety of laboratory methods such as flow cytometry, cell sorting (MACS, FACS), immune proteomics, recombinant antigen expression, and on-site veterinary work with horses (e. g. blood sampling, endoscopy, and bronchoalveolar lavage).

Our institute in Leipzig works in an interdisciplinary team. We work with multiple species and apply a variety of methods with excellent technical facilities. We are integrated in the Center for Biotechnology and Biomedicine ([BBZ](#)), Centre for Infectious Diseases ([ZIM](#)) and other centers of the Faculty of Veterinary Medicine (VMF) and life science research at Leipzig University. My Emmy-Noether-Research Group involves several local and international collaborations, facilitates an interesting, diverse research environment and allows opportunities to travel and collaborate.

As the pre-doctoral fellow you will receive extensive mentoring by the PI, and participate in additional seminars at the Faculty of Veterinary Medicine ([Vet-spA](#)) and Leipzig University (e. g. [Research Academy](#)). The term at the Institute of Immunology can be counted towards post-graduate education and qualification (e. g. Fachtierärztin\*arzt, Fachimmunologin\*e).

### **Requirements:**

- Degree in veterinary medicine, biology, biochemistry, life sciences (St.Ex. or M.Sc.) or comparable fields of study
- Motivation for and previous experience in science / laboratory work (e. g. internship, research project, Bachelor or Master thesis)
- Commitment to a basic research position for three years
- Open-minded work and social habits, interest in teamwork and suitable soft skills
- Communication skills in English (min. B1 or equivalent)
- Experience with basic lab techniques, research experience, animal handling experience, data analysis, and writing skills are advantageous.

Please provide a cover letter with your research interest and motivation, your CV, certificates and possible references via email.

We seek self-motivated, creative and dedicated individuals to work in this highly collaborative and interdisciplinary lab.

Contact [Christiane Schnabel](#) for questions and send your application!