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!