

PhD student position in Immunology/Allergy at the Institute of Nutritional Medicine at the University of Lübeck

Our Laboratory of **Immunology** at the Institute of Nutritional Medicine (https://www.uksh.de/Ernaehrungsmedizin_Luebeck/) at the University of Lübeck and the University Hospital Schleswig-Holstein investigates the development and function of **antibodies**.

Our research focuses on **allergy**, autoimmunity, vaccination, infection and cancer, with a particular interest in the impact of **inflammation and healthy nutrition** on **T and B cell responses**, and their role in the development of **pathogenic or non-pathogenic antibody compositions** consisting of different isotypes, subclasses and **Fc glycosylation patterns**.

Although many people express allergen-specific IgE antibodies, only a few of them develop allergic diseases or more inflammatory forms such as asthma. Allergen-specific immunotherapy (AIT) can induce tolerance to prevent disease. The PhD candidate will characterise pathogenic and non-pathogenic antibody responses in order to predict both the development of allergies and the success of AIT.

Further information can be found in our publications, which are available on our website, as well as on ORCID (0000-0002-5383-8603) or Scopus (7102012162). Selected studies include: Oefner et al, JACI 2012, doi: 10.1016/j.jaci.2012.02.037; Karsten et al, Nature Medicine 2012, doi: 10.1038/nm.2862; Strait et al, Nature 2015, doi: 10.1038/nature13868.; Bartsch et al, JACI 2020, doi: 10.1016/j.jaci.2020.04.059; Petry et al, JACI 2021, doi: 10.1016/j.jaci.2020.05.056; Dühning et al, Allergy 2023, doi: 10.1111/all.15665; Buhre et al, Allergy 2025, doi: 10.1111/all.16241.

We are looking for a **highly motivated** PhD student to join our highly motivated team with a good atmosphere. The PhD student will become a full member of a newly approved Research Training Group of the DFG investigating antibody responses. Please contact Prof. Marc Ehlers (marc.ehlers@uksh.de).