

We are announcing a full-time position (immediately / at the latest from 1.1.2024 onwards) as

PostDoc (m/f/d) in Research Group Clinical and Molecular Allergology

The position is offered for **three years**.

The Research Center Borstel (RCB) is an internationally operating Lung Center within the Leibniz Association, financed by the Federal Government and the State of Schleswig-Holstein. Our central task is basic and translational research in the field of respiratory diseases. We operate extensive laboratory and research infrastructures. Academically, we are closely linked with neighboring universities (Lübeck, Kiel) and clinically with the University Hospital Schleswig-Holstein. Our goal is to improve existing methods for the detection, prevention and treatment of lung diseases and to develop new, innovative therapeutic approaches.

JOB DESCRIPTION

- Innovative DFG-funded research project on the role of house dust mite allergens for the development of atopic diseases at different organ systems (lung/skin) using marker allergens in different cell culture models.
- Identification of potential biomarkers of allergy/ asthma development and improvement of allergy diagnostics using material from well-characterized patients in different antibody- and cell-based assays.

The project represents basic research as well as applied medical-diagnostic research in close cooperation with scientists in Hannover and extensive opportunities for networking with university / non-university institutions as well as industry.

YOUR QUALIFICATION

- Degree (with PhD) in biology, biochemistry, human biology, immunology or equivalent.
- In-depth knowledge of protein biochemistry, protein purification, protein-protein or protein-lipid interactions and, if applicable, experience in elucidating signalling pathways.
- Cloning and expression of proteins in various systems (*Escherichia coli*, insect cells, yeast cells).
- Protein purification via various chromatographic methods (HPLC: e.g. ion exchange and size exclusion chromatography).
- Knowledge of modern methods such as basophil activation assay, chip-based microarrays, flow cytometry, mass spectrometry, cell culture, cytokine assays, and integration of proteins into routine diagnostic platforms.
- Knowledge of managing and handling data from a clinical cohort to identify biomarkers is beneficial.
- Knowledge of the pathomechanisms of allergy and asthma especially house dust mite allergy (immunological focus) and related clinical aspects is beneficial.
- Motivation and flexibility in learning and applying new techniques.
- Strong willingness for interdisciplinary cooperation as well as the ability to work in a team.
- Good written and spoken English and the ability to present scientific data transparently and competently.

OUR OFFER

- Your new workplace is located in a top class research center close to Hamburg
- Participation in a productive and active team
- Personal atmosphere and support
- Payment according to TVöD-VKA incl. all benefits usually offered in the public sector
- Family-friendly working conditions and flexible working hours, Childcare centre and workplace health promotion

The FZB is certified for the "berufundfamilie" audit and specifically promotes the compatibility of career and family. The under-represented gender is given special consideration while maintaining the same professional and personal aptitude. Severely handicapped persons with otherwise equal aptitude are also given preferential consideration. If you have any questions, please do not hesitate to contact **Prof. Dr. Uta Jappe** on ujappe@fz-borstel.de. Please send your application with the usual documents (without photo) **up to 15.11.2023** to our website www.fz-borstel.de.



For us, your age, gender and sexual identity, your world view, your ethnicity or a handicap are not important. We are solely interested in your knowledge and skills and your ability to work in a team. If attractive work content and a solution-oriented approach are more important to you than formalities, you are in the right place!