

We are announcing a full-time position as

Junior PostDoc / Scientist (m/f/d)

The position is offered for 3 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. The University of Lübeck is a profile university with a research focus on "Brain, Hormones, Behaviour", "Infection and Inflammation" and "Biomedical Engineering". It is a partner of the BioMedTec science campus, which also includes the Lübeck University of Applied Sciences, the Borstel research center, two Fraunhofer institutes and a medical technology company.

Be at the forefront of cutting-edge technologies to unravel mechanisms of host-environment interaction to advance personalized medicine.

Chronic lung diseases are a major health burden and are directly linked to environmental exposures. Adaption to environmental exposure is achieved among other mechanisms via innate immune training, which is an epigenetically mediated memory effect of inflammatory and residential cells in the lung.

The Weckmann's lab is looking for a postdoctoral researcher with a strong drive to take the lead in implementing and advancing spatially resolved next-generation sequencing technologies in the field of the lung exposome in chronic lung disease.

JOB DESCRIPTION

- Implement integrated analytics of spatial transcriptomics and methylation data
- Devise, conduct and analyse multi-dimensional experimental designs for NGS
- Apply these designs to cutting-edge research projects in our consortia
- Disseminate your research at international conferences and publish in scientific journals

YOUR QUALIFICATION

- Ph.D. degree in Biology / System Biology / Computational Biology or related field
- Strong laboratory and analytical expertise in next-generation sequencing techniques (e.g., single-cell sequencing)
- Experience with fluorescence microscopy and spatial transcriptomics (e.g., 10x Visium is advantageous)
- Experience with programming skills (R, and/or Python)
- Proven ability to implement new methods/technologies in a dynamic environment
- Team management skills, coordinating work with research assistants and co-leading
- Excellent communication skills (including English)

OUR OFFER

- A workplace located at the top class Leibniz Lung Research Centre Borstel and the University of Lübeck
- Participation in a productive and active team
- A collegial atmosphere and career-development support
- Payment according to TVöD-VKA E13 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. For more information about our certifications, please visit our homepage.

If you have any questions, please do not hesitate to contact **Prof. Dr. rer. nat. Markus Weckmann**. Please send your application with the usual documents (without photo) **up to 16.09.2022** to our website www.fz-borstel.de.



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!