

We are announcing a position as

doctoral student (m/f/d) in the field of bioinformatics and computer science

The position (65%) is limited for a time period of 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

The project is dedicated towards further development of informatics tools for lipidomics research in the frame work of the Lipidomics Informatics for Life Sciences (LIFS – [www. https://lifs-tools.org](https://lifs-tools.org)). The applicant is responsible for the implementation and maintenance of software solutions provided by the consortia with a focus on lipidomics data post processing and will support teaching activities within the German Network for Bioinformatics (de.NBI). The doctoral project will focus on the integration of ion mobility in automated lipid identification as well as implementation of data quality metrics on basis of the LipidXplorer platform.

YOUR QUALIFICATION

- MSc, BSc in informatics, bioinformatics or computer sciences
- Experience in programming Python, R and Shiny
- Experience in multivariate data analysis and statistics
- Experience in cheminformatics would be beneficial
- Good communication skills in spoken and written English language

OUR OFFER

- Your new job is hosted in a top class research center close to Hamburg
- Participation in a productive and active research group
- Interdisciplinary research in the biomedical field with focus on lipid metabolism in lung health and infectious diseases
- Payment according to TVöD-VKA incl. all benefits usually offered in the public sector
- Family-friendly working conditions and flexible working hours as well as home office arrangements
- 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 PD Dr. D. Schwudke via dschwudke@fz-borstel. Please send your application with the usual documents (without photo) **up to 15.2.2024** 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!