

The Charité - Universitätsmedizin Berlin is a joint medical faculty, which serves both Freie Universität Berlin and Humboldt Universität zu Berlin. As one of the largest university hospitals in Europe with an important history, it plays a leading role in research, teaching and clinical care. The Charité university hospital has also made a name for itself as a modern business with certifications in the medical, clinical and management fields.

Postdoc (lung research)

Department of Paed. Pulmonology, Immunology and intensive care medicine

Charité Campus Virchow-Klinikum

Kurzbeschreibung Einsatzbereich (optional)

The Department of Pediatric Pulmonology, Immunology and Intensive Care Medicine (Director: Prof. M.M. Mall) offers a postdoc position for a research project investigating the microbiome as a new therapeutic target for the treatment of chronic lung disease in cystic fibrosis (CF). This project will make use of a unique mouse model of CF lung disease (Mall M et al., Nature Medicine 04) and state-of-the-art next generation sequencing 1) to determine the role of altered airway microbiota in CF-like airway inflammation and structural lung damage; 2) to test if therapeutic targeting of abnormal microbiota can reduce these abnormalities; and 3) to test if such a therapeutic approach can reduce susceptibility to Pseudomonas aeruginosa infection characteristic of CF lung disease in vivo. The project is embedded into the collaborative research center SFB-TR84 "Innate Immunity of Lung".

Your area of responsibility

- Independent planning, organization and conduct of studies in mouse models (CF model and Pseudomonas aeruginosa lung infection model)
- Bronchoalveolar lavage (BAL) and autopsy of experimental animals for cell isolations from BAL fluid and lung tissue
- Microbiology: culture and phenotyping of Pseudomonas aeruginosa and other bacteria
- Microbiology, immunology, molecular biology and histopathology techniques including flow cytometry, ELISA, PCR, histochemistry, immunohistochemistry and fluorescence, in situ hybridization
- Mentoring of MD and PhD students and technicians
- Analysis of experimental data, writing of publications and grant proposals
- Close collaboration with other projects of the collaborative research center SFB-TR 84 "Innate Immunity of the Lung"

Your profile

PhD thesis in a relevant field (biology, biotechnology, life sciences)

- Profound knowledge and practical skills in the areas of experimental animals, immunology, microbiology, cell culture, histopathology
- High motivation and commitment, high quality work
- Good team player
- Reliability and flexibility
- Practical skills with experimental animals (mouse) and documentation by FELASA-B certificate
- Proficient in English language

Reference number

DM.122.18b

Start

01.09.2018

Length of employment

30.06.2022

Working time

39 (hrs./week)

Pay (pay scale)

E13

Acc. to collective agreement

TVöD VKA-K

Employees are grouped into pay scales according to their qualifications and personal requirements. You can find our collective bargaining agreements (Tarifverträge) here:

<https://www.charite.de/en/careers/>

Application deadline

31.08.2018

Please send your application quoting the reference number to

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Universitätsmedizin Berlin
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Pulmonology, Immunology and
Intensive Care Medicine
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