

ZUSAMMEN EIN GANZES.

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 managementfields.

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 aerug. infection characteristic of CF lung disease in vivo. The project is embedded into the collaborative research center SFB-TR84"Innate Immunity of lu

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 phenotying 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 ourcollective bargaining agreements (Tarifverträge)

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

Application deadline 31.08.2018

Please send your application quoting the reference number to

Charité

Universitätsmedizin Berlin Prof. Dr. med. Marcus A. Mall Department of Pediatric Pulmonology, Immunology and Intensive Care Medicine Augustenburger Platz 1, 13353 Berlin; marcus.mall@charite.de

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