

**Charité - Universitätsmedizin Berlin - Charité Campus Virchow-Klinikum**

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.

**PhD student (male/female)**

City: Berlin; Starting Date: At the earliest possible; Duration: 3 years; Remuneration: EG 13 Acc. to collective agreement: TVöD VKA - K; Closing date: 29/02/20

**Task**

An adverse in utero environment including chemical exposure is thought to contribute to impaired organ maturation and an increased disease risk later in life. We are interested in persistent epigenetic modifications in response to such exposures that potentially lead to long-term respiratory complications. This PhD project will complement our epidemiological studies by establishing and applying in vitro models for different exposure scenarios.

**\*\*Your area of responsibilities:\*\***

The job holder will be part of a research group focusing on epigenetic modifications and health effects. In his/her project the job holder will particularly investigate the consequences of chemical exposure and oxidative stress. He/she will establish lung organoid cultures to study exposure effects in human adult lung and priming effects of an adverse environment during organ development. Different molecular biological techniques will be applied including whole genom bisulfid sequencing, pyrosequencing and qPCR. Epigenetic studies will be complemented by single cell RNA sequencing studies.

**Qualifications**

- master degree in biology, biochemistry, molecular biotechnology or related disciplines
- experiences with in vitro experimental studies and human cell culture models
- fluent in spoken and written English
- collaborative skills, enthusiasm, willingness to above-average commitment

## Application

Please send your application quoting the **\*\*reference number\*\*** to

**monique.salzmann@charite.de**

DIE CHARITÉ – UNIVERSITÄTSMEDIZIN BERLIN makes its human resources decisions based on suitability, competence and professional performance. At the same time, it strives to increase the percentage of women in management positions and takes this into consideration where candidates are equally qualified within the limits of what is legally possible. Applications from people with a migrant background are also explicitly welcome. Severely disabled applicants are given preferential consideration in the case of candidates with equal qualifications. An extended certificate of conduct must be submitted. Any travel expenses incurred cannot be reimbursed.

Data protection notice: Charité points out that personal data is stored and processed as part of the application process in different areas of Charité (e.g. faculty, staff committee, human resources department). Furthermore, the data may be transferred or processed within the group as well as in locations outside the group (e.g. authorities) to protect legitimate interests. By applying, you agree to our data protection regulations and terms of use, which you can find here:

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Offer visible until 19/01/20

