

06.04.2020



The IUF – Leibniz Research Institute for Environmental Medicine investigates the molecular mechanisms through which particles, radiation and environmental chemicals harm human health. The main working areas are environmentally induced aging of the pulmonary system and the skin as well as disturbances of the nervous and immune system. Through development of novel model systems, the IUF contributes to the improvement of risk assessment and the identification of novel strategies for the prevention / therapy of environmentally induced health damage.

In the context of a collaboration with the Institute of Stem Cell Research and Regenerative Medicine and Prof. James Adjaye, Chair of Stem Cell Research and Regenerative Medicine, at Heinrich Heine University Düsseldorf, the IUF is offering a position for a

PhD student (Master's in Biology/Biochemistry/Biotechnology or similar) (f/m/d).

The contract will be given by the IUF but the daily work will be carried out at ISRM, the applicant will have access to facilities at both IUF and ISRM.

The project:

Cockayne Syndrome B (CSB) belongs to the nucleotide excision repair syndromes and skin cells of CSB patients are not capable of properly repairing UV-induced DNA damage. Clinically, CSB patients are characterized by progeria, reduced life expectancy and severe neurological symptoms. The neurological symptoms significantly determine the quality of life of patients. However, the loss of DNA repair capacity alone does not suffice to explain the neurological symptoms of CSB patients. This project therefore aims to elucidate the molecular and cellular mechanisms underlying the neurological symptoms of CSB patients.

Candidate Profile:

Our research group is looking for a motivated candidate who is highly committed and motivated, enjoys their work and has great communication skills and team spirit. The applicant should hold a degree in biology/biochemistry/biotechnology or similar. Very good English language skills and experience with cell culture, especially human-induced pluripotent stem cell culture, 3D cell culture, microscopy and common molecular biological methods are desirable.

What we offer:

We are an interdisciplinary team with a positive work environment. We offer the candidate thorough training introducing them to a highly topical and challenging field of work. Our cutting-edge cell culture models will be used to work on the research question. The project will be carried out in a team comprising other scientists, with intensive exchange of information about project-relevant results across different models and species.

The position is limited to 3 years. The weekly working time totals 25 hours and 54 minutes. Remuneration is given in accordance with the provisions of the collective agreement for the employees of the states (TV-L). Salary will be according to TV-L (E13).

06.04.2020

Please address your application (incl. letter of motivation, CV, references, qualification certificates), preferably via email to bewerbung@iuf-duesseldorf.de.

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For more information you can reach us at: <http://www.iuf-duesseldorf.com>

Application documents submitted by post are not returned. Documents for applicants not considered are destroyed appropriately once the procedure is complete.

