06.02.2019

IUF
LEIBNIZ-INSTITUT FÜR UMWELT-MEDIZINISCHE FORSCHUNG

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 cardiopulmonar 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. The core unit model development is offering a position for a

Molecular Biologist/ Cell biologist (f/m/d) (Ph.D position).

The position is to be filled at IUF as of March 1st, 2019

The project is focused on the potential of human organoids in modeling aging and impact of environmental hazards. In specific:

1. Generating iPSC-derived brain organoids and study the cell biology behind alcohol and/or DNA damage-induced microcephaly
2. Study the cell biology of centrosomes and cilia in regulating neural stem cell homeostasis

The project aims to address these questions using the cutting edge technologies of iPS systems, organoids and genome tailoring. The candidate will work on participating laboratory at the Heinrich-Heine-Universität Düsseldorf.

Qualifications

We seek a highly motivated candidate (f/m/d) with a solid background in cell biology and molecular biology. Expertise in standard molecular biology techniques, cell culture and microscopy is critical. The candidate is required to have strong skills in English and German. Motivation to work independently as well as close collaboration with the partner laboratory at the Heinrich-Heine-Universität Düsseldorf.

ROLE RESPONSIBILITIES

- The individual should apply their significant expertise in molecular biology based techniques, microscopy and cell biology.
- Participate in the development and qualification of assays. Independently analyze data and provide conclusions. Critically evaluate own and others results and offer insights based on process and product understanding to help solve problems.
- Willing to participate in grant writing
- Read scientific and technical literature in order to bring new and improved procedures to the laboratory, and to broaden understanding of disciplines outside area of training.
- Managing the laboratory and training the fellow students and colleagues.

06.02.2019

EDUCATION AND EXPERIENCE

- Master's cellular neurobiology, molecular biology, developmental or related field.
- Expertise in the in-depth analysis of cellular structures using light and electron microscopy
- Strong verbal and written communication skills are required (English and German).

DESIRED KEY COMPETENCIES

- Self-motivated, highly organized, meticulous hands-on habits, keen to accuracy, and attention to detail.
- Positive can-do attitude, responsible and responsive, and maintain a high degree of ethical standard and trustworthiness.
- Strong quantitative and analytical skills, able to reach rational conclusions through complex processing of information.
- Energized by accomplishments and excellence in the workplace. Competent of high performance in independent work and coordinated efforts in implementing group projects.
- Maintain timely documentation of laboratory work and keep well organized records.
- Evaluate results, analyze and interpret data to prepare projects updates, meeting presentations and research reports for documentation and publication.

The position is limited for 3 years with the option of an extension. Remuneration is given in accordance with the provisions of the collective agreement for the employees of the states (TV-L). The weekly working time totals 19 hours and 55 minutes. Salary will be according to TV-L (E 13).

Please address your application (incl. letter of motivation, CV, references, qualification certificates), preferably electronically, to jay.gopalakrishnan@iuf-duesseldorf.de

IUF – Leibniz-Institut für umweltmedizinische Forschung
c/o Personalabteilung
Auf'm Hennekamp 50
40225 Düsseldorf

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