The Research Training Group **2578 "Impact of genotoxins on the differentiation of murine and human stem and progenitor cells and functional competence of thereof derived differentiated progeny"** located at the Heinrich-Heine-University Düsseldorf, Germany, and funded by the German Research Foundation (DFG) has a call for

1 position for doctoral researchers / PhD student (m/f/d)
(65% salary scale 13 Tv-L)

to be filled as soon as possible. The employment is initially limited until Dec 31th, 2023. The position is a qualification position according to the Act of Academic Fixed-Term Contract (Wissenschaftszeitvertragsgesetz – WissZeitVG), which is to promote the scientific qualification of employees.

The RTG 2578, funded by the DFG, addresses fundamental aspects regarding the stability of genetic information of stem and progenitor cells, which is essential for their correct differentiation and function. Metabolites, environmental mutagens or anticancer drugs cause DNA damage and thereby promote genetic instability which is the cause of numerous diseases. Within the frame of the RTG 2578, stress responses of stem and progenitor cells following exposure to toxic substances, which cause permanent alterations in the genetic information, will be investigated. The subject of analyses will be both early stress responses of stem/progenitor cells to DNA damaging substances as well as the impact of genotoxins on the development and the function of progeny cells.

The position to be filled is located in the Institute of Toxicology in the working group 'Molecular and Genetic Toxicology' (Prof. Dr. Fritz). In this project, the influence of genotoxins on cardiovascular differentiation of murine and human stem and progenitor cells will be elucidated and the relevance of DNA repair mechanisms and DNA damage response in these differentiation processes will be investigated.

We are looking for talented and highly motivated applicants with a master degree (MSc) or a state examination in a natural science discipline such as biology, biochemistry, toxicology, molecular medicine, pharmacy or a related discipline. The PhD student will participate in a centrally organised study program and will perform individual research under the guidance of their supervisors. Detailed information about the research project (project 5a) as well as the graduate program can be found on the website www.grk2578.hhu.de.

The pay scale grouping will be, depending on the personal qualification of the applicant, up to salary scale 13 TV-L. Heinrich-Heine-University Düsseldorf aims at increasing the percentage of employed women. Applications from women will therefore be given preference in cases of equal aptitude, ability and professional achievements unless there are exceptional reasons for choosing another applicant. Applications from suitably qualified severely disabled persons or disabled persons regarded as being of equal status according to Book IX of the German Social Code (SGB-Soziales Gesetzbuch) are encouraged.

Contact for questions:
Daniela Geist (Administrative Coordination RTG 2578)
E-Mail: grk2578@uni-duesseldorf.de
Phone: 0211-81-13003

Please send your application documents (letter of motivation, curriculum vitae and certificates) within 4 weeks of the publication of this advertisement electronically as **1 PDF** document to the following e-mail address: grk2578@uni-duesseldorf.de.

Heinrich Heine University, Medical Faculty,
Institute of Toxicology,
Moorenstr. 5, 40225 Düsseldorf
grk2578@uni-duesseldorf.de