The Institute of Genetics, Faculty of Biology and Chemistry, research group of Prof. Sandra B. Hake, offers a

**Doctoral Position (PhD, 50 %)**

within the German Science Foundation (Deutsche Forschungsgemeinschaft)-funded collaborative research center TransRegio 81 (TRR81): “Chromatin changes in Differentiation and Malignancies, Project “Role of mammalian histone variants H3.3 and H2A.Z in differentiation and disease”. The position should be appointed as soon as possible. In agreement with the current legislation, the position is payed according to „Entgeltgruppe 13 Tarifvertrag Hessen (TV-H)“. The duration of the offered position is until June 30th, 2022.

**Job Description:** Within the framework of the TRR81, the project will address the role of H2A.Z and its binding partner PWWP2A in gene regulation and malignancy. Particular attention will be paid to members of the PWWP2A interactome and their functions in cell differentiation and migration. Mammalian cells will be genetically manipulated using the CRISPR-Cas9 system and functional cellular changes will be determined applying molecular (e.g. qPCR, ChIP-seq, RNA-seq), bioinformatics (e.g. NGS analyses), biochemical (e.g. immunoprecipitations, immunoblotting) and cell biological (e.g. immunofluorescence) methods.

**Prerequisites for the project:** You have completed a scientific university course (Diploma or Master of Science degree) in molecular biology, biochemistry or biology. Experience in at least one of the methods mentioned above is expected In-depth knowledge of chromatin biology and epigenetics is favorable. Personal initiative, creativity, team spirit, good English language skills and a profound background in science are mandatory; German language skills are desirable.

The Justus-Liebig University Giessen strongly encourages female scientist to apply for this position. As a family-friendly higher education institution, the Justus-Liebig-University Giessen particularly welcomes applicants with children.

Please send your application stating the application number 184/08 with the usual documents* until March 4th, 2019, to Prof. Sandra Hake, Justus-Liebig-Universität Giessen, Institut für Genetik, Heinrich-Buff-Ring 58-62, 35392 Giessen, GERMANY.

For further information please contact: Sandra.hake@gen.bio.uni-giessen.de

Applicants with disabilities but otherwise equal qualifications will be preferred. Please do not send original documents as these will not be returned after end of the selection procedure.

* Required documents: curriculum vitae, references, certificates (English or German), letter of motivation.