

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

### **PostDoc Position (100 %)**

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 for at least three years. Extension is possible.

#### **Job Description:**

The project will address chromatin deposition mechanism(s) of mammalian histone variants controlling chromatin structure and gene expression during mouse embryonic stem cell (mESC) differentiation. mESC will be genetically manipulated using the CRISPR-Cas9 system and functional cellular changes will be determined applying molecular biological (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 both projects:**

You have successfully completed your PhD in molecular biology, biochemistry or biology. Experiences in many of the methods mentioned above, in particular bioinformatics, knowledge of R-language, correlation and statistical analyses, are 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.

The Justus-Liebig University Giessen strongly encourages female scientists 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 601/21104508/08** with the usual documents\* until **September 20<sup>th</sup>, 2018** to the **President of the Justus-Liebig-Universitaet Giessen, Erwin-Stein-Gebaeude, Goethestrasse 58, 35390 Giessen Germany**. 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.