

The Helmholtz Zentrum München in Munich, Germany, is member of one of the leading research associations in Europe - the Helmholtz Association of German Research Centers. The aim of our research is to proactively detect health risks involving humans and the environment, decoding the mechanisms of pathogenesis and developing concepts for prevention and therapy.

The newly established Institute of Functional Epigenetics at the Helmholtz Center Munich focuses on understanding how epigenetics impact on cellular function, differentiation, reprogramming, and metabolism. Specifically we unravel how chromatin mechanistically regulates these processes through changes in gene expression. Our research includes next generation sequencing (ChIPseq, RNAseq, CLIP etc.), single cell approaches, biochemistry and biophysical approaches as well as various developmental and cell biology systems.

At the next possible time we are looking for a

PostDoc in Epigenetics and Chromatin Biology **(f/m)2018/0105**

Job Description

For a project on the interphase between chromatin biochemistry and epigenetics we are looking for a PostDoc with a strong research background, experience in the epigenetics or chromatin field and a proven publication record. The successful candidate will study novel chromatin modifying pathways, which we have recently identified, to address a central question in epigenetics: what are the mechanisms via which the cellular environment controls chromatin dynamics and thus gene expression programs and disease states?

This project will involve a combination of in vitro and in vivo approaches, including different NGS (omics) techniques and their analysis as well the development of novel innovative technologies to address mechanism in single cells and low-input material. It is designed to allow the applicant to play a major role in determining its direction and at the same time benefit from intense international

Our Offer

At the Helmholtz Zentrum München, you can contribute together with leading researchers to the investigation of the development, prevention and treatment of environmental diseases such as diabetes, chronic lung diseases and allergies. In order to further promote your professional development, we offer extensive and targeted research training and career programmes. We support the reconciliation between work and private life with flexible working time models, occupational health management, day care facility for children, a childcare subsidy, Elder Care, as well as other counseling and support services.

Remuneration and benefits are in accordance with the collective agreement for the public service (TV EntgO Bund).

The position is (initially) limited to two years.

collaborations as well as the profound epigenetics and chromatin background of the other Institute members.

Your Qualifications

- PhD in biology or a related field
- Strong research background in chromatin research with a very good publication record
- Fluent written and spoken English

Experience in at least two of the following fields is essential:

- Chromatin biochemistry
- ChIP seq and RNA seq techniques (including data analysis)
- Single cell approaches

The activity involves special knowledge and experience specific to own scientific skills.

As a holder of the Total E-Quality Award, we promote equality of opportunity. In order to increase the proportion of women in management positions, we would be pleased to receive corresponding applications. Qualified applicants with physical disabilities will be given preference.

We are looking forward to receiving your comprehensive online application including a cover letter, detailed CV, copies of your certificates and contact details of two referees.

[Apply now](#)

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The award highlights
our commitment of
gender equality.

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RESEARCH FOR GRAND CHALLENGES

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