

## PostDoc in Epitranscriptomics (RNA modifications)

The Institute of Functional Epigenetics (IFE) at the Helmholtz Center Munich focuses on understanding **how epigenetic mechanisms regulates cellular identity and function. Specifically we want to unravel how chromatin modifications and RNA modifications regulate these processes.** Our research includes next generation sequencing (meRIP, RNAseq, CLIP, ChIPseq, Cut&Run etc.), single cell approaches, biochemistry as well as various developmental and cell biology systems. For details please visit our webpage: <https://www.helmholtz-muenchen.de/ife>

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

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

### Candidates for this position should have:

- PhD in biology or a related field
- Strong research background in chromatin research with a very good publication record
- Experience **in at least two of the following fields** is essential:
  - RNA biochemistry,
  - NGS seq techniques: RNAseq and/or ribosome profiling (including analysis),
  - Chromatin biochemistry
- Fluent written and spoken English

### Our Offer

- An innovative and scientifically stimulating environment with excellent facilities and a vibrant epigenetics community (see also: [www.helmholtz-muenchen.de/epigeneticshmg/](http://www.helmholtz-muenchen.de/epigeneticshmg/) )
- Advanced interdisciplinary training opportunities
- Highly motivated research team

Please submit your application (cover letter, detailed CV and contact details of 2 referees) per email to: [robert.schneider@helmholtz-muenchen.de](mailto:robert.schneider@helmholtz-muenchen.de)