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Albert-Ludwigs-Universität Freiburg – Developmental Neuroepigenetics Lab – 79085 Freiburg

**Albert-Ludwigs-Universität Freiburg**

**Institut für Anatomie und Zellbiologie**
Developmental Neuroepigenetics Lab

**Univ.-Prof. Dr. Tanja Vogel**
Gruppenleiterin

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30.04.24

## Postdoctoral Position in Neurodevelopmental Epigenetics

The group of Prof. Dr. T. Vogel at the Institute for Anatomy and Cell Biology, Department Molecular Embryology, University of Freiburg is advertising a position for a research assistant at the postdoctoral level. The research focus of Prof. Vogel´s group lies on transcriptional control during brain development with a focus on transcription factor activity and epigenetic mechanisms especially histone modifications. The group is renowned for studying stem cell and neuronal specification during development and in CNS disease (Akol et al, PNAS, 2023; Appiah et al, Embo Rep, 2023; Ferrari et al, Nat Comm, 2020; Franz et al, NAR, 2019). We are using single-cell sequencing approaches to study transcriptional regulation through histone modifications and transcription factors with regard to cerebral cortex and hippocampus development in mouse and human organoid model systems. Starting date: 01.07.24.

You are convincing through

- A strong background in biochemistry, biology, molecular medicine, medicine or equivalent.
- Experience with bioinformatical analyses of large data sets and next-generation-sequencing ideally on single cell level, and/or
- documented experience in techniques of cell biology, protein biochemistry and molecular biology, applied to understand the development or function of the central nervous system.
- Experience in live cell microscopy, or electroporation techniques, which are of interest for the group.
- Very good communication skills in English,
- enthusiasm for science and the ability to learn new techniques and to work synergistically in a team,
- an outstanding PhD or MD and passion, curiosity and high motivation for unsolved research questions in the field of neurodevelopmental epigenetics.

We are offering

- To work on high topical research projects with state-of-the art technology in a collaborative setting,
- an international work atmosphere,
- a scheme towards academic qualification.

Position requirements

- Participation of teaching macro- and microscopic anatomy in fluent German language.

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Employment will be temporary for initially 2 years.

Please send applications including

- CV,
- degree certificates,
- a minimum of 2 reference letters,
- a short letter of motivation for application to the lab,
- a list of publication

via email until May 31st 2024 to christine.hacker@anat.uni-freiburg.de.

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