



PhD position in RNA Bioanalytics and Epitranscriptomics

A funded PhD position is open in the Lönarz laboratory at the University of Freiburg at the Institute of Pharmaceutical Sciences (Otto-Krayer-Haus). In this project, the PhD candidate will focus on investigating the **interplay between epitranscriptomic modifications to RNA, and the metabolism of nucleoside analogues used in RNA therapeutics**. The research will follow up on recently made discoveries and use a wide range of methods.

For further information and used methodology, please refer to:

Benčić et al., FEBS J 2023, 290, 4899-4920; Eisenbeis et al., PNAS 2023, 120, e2306868120; Gagsteiger et al., Angewandte 2022, 61, e202204198.

The Lönarz laboratory uses cell culture, analytical and chemical biology approaches, including biological mass spectrometry, to investigate molecular mechanisms of hypoxia and epitranscriptomic modifications to nucleic acids. The research has relevance to genetic diseases, obesity, and RNA therapeutics. <https://www.pharmchem.uni-freiburg.de/de/loenarz>

We look for a highly motivated and creative candidate with strong interest in molecular sciences of pharmaceutical relevance. The selected candidate will typically have a very good **life sciences degree (MSc level; e.g. biochemistry, pharmacy (StEx), biology, chemistry)**, an interest in interdisciplinary research, good scientific writing and communication skills, and strong problem-solving skills. Women are particularly encouraged to apply.

The position is available immediately. The salary will be determined in accordance with TV-L E13. Please send the complete application (motivation letter, CV, study transcripts) to: christoph.loenarz@pharmazie.uni-freiburg.de

For informal discussion, please contact: Prof. Dr. Christoph Lönarz, Otto Krayer Haus, Institute of Pharmaceutical Sciences, University of Freiburg, Albertstr. 25, 79104 Freiburg.