

PhD student position (3 years, TV-L E13/65%) to study **RNA metabolism and spatio-temporal localization patterns of RNAs in cyanobacteria**

The lab of Annegret Wilde (<https://bakteriengenetik.biologie.uni-freiburg.de>), Institute of Biology III, University of Freiburg, investigates the spatio-temporal dynamics of signalling processes in cyanobacteria. We are looking for a motivated PhD candidate to study the RNA metabolism and spatio-temporal localization patterns of RNAs in cyanobacteria. The project involves state-of-the-art methods, such as RNA-FISH, FLIM microscopy, and iCLIP, supported by interdisciplinary training and close collaboration with bioinformaticians.

The PhD candidate will be member of the MeInBio PhD research training group (RTG2344, funded by the German Research Foundation) and profit of their structured training curriculum. MeInBio aims at a dual education in bioinformatics and wet laboratory approaches to explore the spatio-temporal dynamics of gene regulation using high-throughput and high-resolution methods (www.meinbio.uni-freiburg.de).

The ideal candidate has an excellent Master's degree with focus on molecular biology, microbiology and biochemistry. Profound knowledge or interest in photobiology and bioinformatics are highly welcome. The project involves intense collaboration within the research training group and with international collaboration partners.

The PhD position is funded from September 2023 for three years (65% TVL-E13, German public service pay scale).

We offer

- An exciting modern research project in a well-equipped laboratory using state-of-the-art technologies
- Intensive supervision secured by a thesis advisory committee
- Regular exchange with a bioinformatics tandem laboratory to ensure low-threshold interdisciplinary communication
- Regular courses in bioinformatics and wet laboratory techniques as offered by the RTG2344 MeInBio
- Additional "soft skills" courses and networking possibilities with all RTG MeInBio members for scientific exchange
- Yearly funds for conference visits

Candidates should

- Have an excellent recent master's degree in molecular biology, microbiology or biochemistry
- Be passionate about science and highly motivated
- Have a strong affection to acquire both, biological and informatics knowledge
- Be willing to actively participate in interdisciplinary gatherings and other activities of the MeInBio research training group
- Be fluent in written and spoken English

Please direct further inquiries and your application documents latest by 09. July 2023 to Annegret.Wilde@biologie.uni-freiburg.de