

The Department of RNA Biology and Molecular Physiology invites applications for a PhD position in:

Micro(RNA)managing – A CRISPR-based RNA-affinity approach

We are seeking a **highly motivated and dedicated student** who is excited about modern, cutting-edge RNA biology research especially in the area of ribonucleics and small regulatory RNAs.

We are an **international research team** investigating RNA-based regulation in plants. The department is embedded into a modern and excellent research infrastructure at Bielefeld University providing state-of-the-art technologies for molecular, biochemical and cellular biological approaches.

The **DFG-funded project** aims at analyzing ribonucleoprotein complexes involved in the regulation of miRNA biogenesis using ribonucleics approaches in plants. We will exploit a CRISPR-based system to identify RNA-binding proteins directly binding to transcripts and their physiological relevance will be analyzed. To obtain further insights into the molecular mechanism of RBP action, genome-wide RBP binding sites will be identified. Overall, this will deliver new insight into molecular mechanisms underlying posttranscriptional regulation by plant RBPs and will advance our understanding of regulatory principles of eukaryotic gene expression.

Your profile:

- An excellent master's degree in biology, biochemistry, genetics or related discipline
- Team spirit, extraordinary motivation and the ability to work in a highly competitive research field
- Strong background in standard molecular biological techniques
- Fluent English communication skills

The **position is available immediately**. The starting date is optional. Gross salary will be 65 % TV-L E13. Bielefeld University is committed to support equal opportunity; we encourage applications from qualified women and persons with disabilities.

Please send your application including CV, publication list, research interest and contact information of references (single pdf) to:

tino.koester@uni-bielefeld.de

For informal enquiries please contact Dr. Tino Köster,
Tel. ++49 521 106 5610

For our recent work see <http://www.uni-bielefeld.de/biologie/rna-biology/>