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

**RNA interactome capture in plants**

**What are we looking for?**
Motivated candidates for projects to unravel molecular mechanisms of RNA-based regulation

**What do we offer?**
The possibility to work in an international team; state-of-the-art methods to unravel posttranscriptional networks (RNA-seq, iCLIP, RNA affinity purification); modern lab infrastructure; participation in a doctoral degree program; and possibilities for research stays abroad in the labs of international collaboration partners.

**Aim of the project?**
This project aims to develop a method to isolate RNA-binding proteins bound to a specific circadian transcript by *in vivo* UV cross-linking of RNA-protein complexes, RNA pull-down via specific antisense oligonucleotides and identification of bound proteins by mass spectrometry. The project will identify novel RBPs regulating circadian stress-responsive transcripts and shed light on this largely unexplored layer of post-transcriptional gene regulation.

**What do you bring in?**
A very good Master or Diploma degree in Biochemistry, Genetics, Molecular Biology or related topics; experience in RNA-Biologie, Protein Biochemistry; basic knowledge in Bioinformatics; scientific creativity and ability to work in a team.

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.

Applications including CV, research interest and contact information of references (single pdf) should please be sent to:
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For informal enquiries please contact Prof. Dr. Dorothee Staiger,
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For our recent work see http://www.uni-bielefeld.de/biologie/rna-biology/