The Department of RNA Biology and Molecular Physiology at Bielefeld University 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: dorothee.staiger@uni-bielefeld.de

For informal enquiries please contact Prof. Dr. Dorothee Staiger, Tel. ++49 521 106 5609
For our recent work see http://www.uni-bielefeld.de/biologie/rna-biology/