



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:

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/>