The Department of Molecular Cell Physiology invites applications for a

**PhD position in Translational Control by RNA-binding proteins**

Regulation of translation contributes to plasticity in development and stress responses that allows plants to cope with dynamic changes in their environment. In particular, we are interested how the translation status of individual mRNAs is controlled by specific RNA-binding proteins and microRNAs. The project involves polysome profiling, tagged ribosome affinity purification and ribosome footprinting to determine the translatome, Next generation sequencing to investigate alternative splicing patterns, and genome-wide determination of RNA-binding proteins targets via RNA immunoprecipitation (RIP)-seq and CLIP-seq.

We provide an international, innovative, well-equipped research environment and an excellent research infrastructure at the University of Bielefeld. Successful applicants will have the opportunity to work in a fruitful scientific atmosphere with a highly motivated team of young scientists.

Your qualification:
- An excellent master's degree in biology, biochemistry, genetics or a 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 for three years; starting date is optional. The salary will be according to TV-L13 up to 65 %. We particularly welcome applications from women. Applications from suitably qualified handicapped persons are explicitly encouraged.

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Applications including CV, publication list, research interest and contact information of references (single pdf) should please be sent to:
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