

## PhD student – Regulation of transcript elongation and plant development

### Plant Chromatin Group – University of Regensburg

We invite applications for PhD student position in the Plant Chromatin Group at the Department of Cell Biology and Plant Biochemistry to study the role of plant transcript elongation factors (TEFs). Elongation is a dynamic and highly regulated step of eukaryotic **transcriptional control**. A variety of TEFs including modulators of RNA polymerase II activity, histone chaperones and histone modifiers control the efficiency of **mRNA synthesis in the chromatin context**. Using the *Arabidopsis* model system, the function of TEFs in gene transcription after the initiation stage will be examined, as well as their role in plant development. Moreover, we are interested in the coordination of transcript elongation with other nuclear processes. The topic of the PhD project (initial salary according to TV-L E13/2, available from 1. May 2018) is connected with the DFG-funded Sonderforschungsbereich, SFB960, <http://sfb960.de/>.

**Literature:** Van Lijsebettens and Grasser, Trends Plant Sci. 19, 717-726 (2014); Dürr et al., Nucleic Acids Res. 42, 4332-4347 (2014); Antosz et al., Plant Cell 29, 854-870 (2017)

**Methods** of a broad spectrum (biochemistry, genetics, cellular and molecular biology, physiology) will be employed in this project, and accordingly we offer training in the required disciplines.

**Other matters:** We are an international team and our Department and the Biochemistry Centre Regensburg offer a stimulating atmosphere for research as well as advanced facilities for protein analyses, imaging and systems biology. The city of Regensburg is located in the south-east of Germany approximately 100 km away from Munich in an attractive environment. We are seeking a highly motivated student (holding a relevant MSc degree), ideally with some experience in the above mentioned areas, who would like to work with dedication on the project as member of our research team. Membership in the „Regensburg International Graduate School of Life Sciences“ (<http://www.rigel-regensburg.de/>) offers a structured PhD education and facilitates rapid contact with our local research environment. For additional information about our research and the Department, please visit our homepage ([www.cell-biology.uni-regensburg.de/grasser/](http://www.cell-biology.uni-regensburg.de/grasser/))!

We invite applications (letter of motivation, summary of MSc thesis, relevant university certificates, contact information of potential referees and curriculum vitae) as a single pdf file to Prof. Dr. Klaus Grasser ([klaus.grasser@ur.de](mailto:klaus.grasser@ur.de)).