Universität Regensburg

BIOCHEMIE-ZENTRUM REGENSBURG

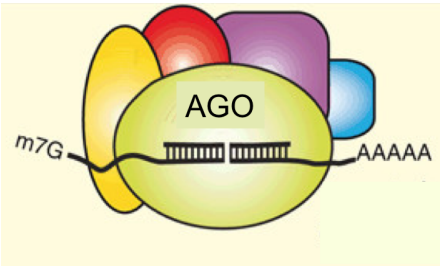
Lehrstuhl für Zellbiologie und Pflanzenbiochemie

The team of PD Dr. Stefanie Sprunck at the Department Cell Biology and Plant Biochemistry, University of Regensburg, is seeking a highly-motivated

PhD candidate (f/m)

with a strong interest in **small RNA-guided gene silencing** and **cell biology**.

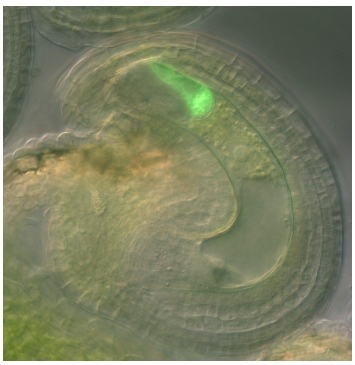
We are interested in the molecular mechanisms controlling the formation and specification of gametes, which is of paramount importance for all sexually reproducing organisms.



The PhD-project focuses on the role of small RNA-guided gene silencing pathways in gamete formation using the model organism *Arabidopsis thaliana*. Within the PhD project, the composition of **gamete-specific Argonaute (AGO) RNP effector complexes** and their post-translational modifications will be characterized. Furthermore, the function of previously identified **novel small non-coding RNAs** will be analyzed with respect to egg cell specification and cell-to-cell movement.

We are looking for a self-motivated and team-minded person with a strong background in biochemistry and knowledge of molecular and cellular biology.

You will work in a friendly lab atmosphere and apply a broad spectrum of innovative approaches and techniques, including CRISPR/Cas9. During your PhD, you will have access to leading-edge facilities of the faculty. As member of the Regensburg International Graduate School of Life Sciences (**RIGeL**), you will join the section "Cellular Biochemistry and Biophysics" (CBB). As part of the SFB960, you will also join the Graduate Research Academy "**RNA Biology**". Excellent research, training and networking possibilities will give you the opportunity to start a strong scientific career.



Funding and Contact

The position is funded by the DFG, as part of the SFB960 ("Ribosome formation: principles of RNP biogenesis and control of their function"). Payment will be according to German TV-L13 (65%).

You are interested?

For further information and questions, please contact PD Dr. Stefanie Sprunck (0941-943-3005).

Please send your CV indicating your expertise/skills, the names of two referees and a motivation letter stating why you are interested in the topic and why you would be the right candidate to make progress in the field as a single pdf by email to stefanie.sprunck@ur.de