

The **Plant Molecular Physiology Department at the Cologne Biocenter, University of Cologne** invites applications for a

PhD student position in Plant Molecular Physiology

as a fixed-term position for 3 years in the lab of Prof. Dr. U.I. Flügge

The successful candidate will join a newly launched DFG project aiming to study intercompartmental (nuclei-chloroplasts-mitochondria) metabolite signaling in plant cells.

These studies involve the analysis of distribution and signaling of 3'-phosphoadenosine 5'-phosphosulfate (PAPS) and of adenosine 3',5'-bisphosphate (PAP) in various cell compartments including nuclei, chloroplasts and mitochondria as well as intracellular transport of PAPS and PAP in *Arabidopsis thaliana*.

A variety of techniques, including reverse genetic approaches to characterize the PAPS/PAP antiporter and PAP signaling mutants, metabolite profiling of different (e.g. chloroplastidic, vacuolar, cytosolic) cell fractions, plant and/or human cell cultures for various molecular biological assays as well as cell/molecular biology techniques will be used.

Candidates with a strong motivation, passion to science and power to address exciting cell biology questions will be preferred. She/he should have fundamental knowledge in plant molecular biology, hold diploma or master's degree in biology, biochemistry or a related field. Good written and oral communication skills in English are required.

Applications should include a CV, 2-3 contacts for references, and a statement outlining your research interests and relevant work experience.

The salary is based on TV-L13 (65%).

The Board of Directors of the University of Cologne places strong emphasis on gender equality and seeks to increase the proportional representation of women in this field. Thus applications from female scientists will be welcome; suitably qualified women will be given preferential consideration unless other candidates clearly demonstrate superior qualifications.

We also welcome applications from disabled candidates, who will also be given preferential consideration over other applicants with comparable qualifications.

Please address enquiries to Dr. Tamara Gigolashvili or Prof. Dr. U.I. Flügge by e-mail (t.gigolashvili@uni-koeln.de or ui.fluegge@uni-koeln.de) or by phone +49-221-470-6596.

Please forward your complete application until **20.03.2012** by e-mail (in a single pdf document) to: t.gigolashvili@uni-koeln.de or by regular mail to: Dr. T. Gigolashvili, Universität zu Köln, Biozentrum Köln, Botanisches Institut, Zülpicher Str 47b, D-50674 Köln