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Web www.seedbiology.de - "The Seed Biology Place"

The Seed Biology Group at Freiburg University invites applications for a

Ph.D. student / Doktorand/in (TV-L E13/2).

Within the research project "Molecular Physiology of Endosperm-limited Seed Germination - Gene Function and Regulation in the Endosperm of Brassicaceae Species" funded by the German Research Foundation (DFG Le720/6-3) the role of pectin-related cell-wall modifications during endosperm weakening of *Lepidium sativum* and *Arabidopsis thaliana* will be investigated by a cross-species reverse-genetics approach and subsequent analysis of transgenic seeds by various techniques available by an interdisciplinary collaboration network. See our website and publications for further information about our research approaches on Brassicaceae seed germination.

We are looking for a highly motivated person with interest in our research topic, a broad knowledge in plant biology and adequate experience in molecular methods, e.g. DNA cloning, PCR, basic bioinformatic skills for sequence analysis, plant transformation and mutant analysis. Experience with additional techniques in plant biology is appreciated. Besides this, the willingness to work in a team and an adequate degree, e.g. Master or Diploma, in biology or biochemistry is required. The PhD work is supervised by Dr. G. Leubner and co-supervised by experienced postdocs. A good knowledge of English is mandatory.

The position is initially limited to a period of two years with the possibility of extension. The University of Freiburg supports women in science and especially encourages them to apply. Handicapped applicants will be preferred if they are equally qualified.

Please send your applications including CV, copies of certificates, title and short summary of your Master / Diploma work, and names and addresses of two referees via mail or email (preferentially as one or two PDF files). Your application should include a cover letter addressing your motivation to conduct research in seed biology. Deadline for applications: February 24, 2010.