



Leibniz
Universität
Hannover

The Institute of Botany invites applications for two positions as

PhD students (EntgGr. (Salary Group) 13/2 TV-L)

to be appointed on 01.02.2012. The positions are limited to 3 years.

Project 1

Participation in a project analyzing control of photorespiration in plants. Responsibilities include quantitative PCR, gas chromatography (GC-MS), chlorophyll fluorescence and gas exchange measurements as well as isotope labeling experiments. (please see also: Maurino et al., 2010, COPB, 13:249; Kebeish et al., 2007, Nat. Biotech. 25:593). The project will be worked out in collaboration with an industrial partner. For further information, please contact Sophia Gutschalk (s.gutschalk@botanik.uni-hannover.de).

Project 2

Characterization of the recently discovered, novel form of "single-cell C4" photosynthesis by molecular and physiological means. Experience with basic molecular techniques (cloning, plant transformation and confocal microscopy) are of advantage. (please see also: Offermann et al., 2011, Plant Phys. 155:1612; Voznesenskaya et al., 2001, Nature 414:543). Parts of the project can potentially be carried out with our collaboration partners at Washington State University, U.S.A. For further information, please contact Sascha Offermann (s.offermann@botanik.uni-hannover.de).

All candidates are encouraged for active participation at international congresses.

Employment conditions

The applicant should hold a diploma/MSc degree or equivalent in biology or a related field. The Leibniz Universität Hannover aims, in particular, to promote women within the scope of the statutory provisions and, hence, emphatically invites qualified women to apply for this position. Severely disabled applicants are given preferential consideration in the event of equal qualification.

Please send your application (by email as a single PDF file) containing a CV, a resume of previous research projects, and the names of two potential references by 06.12.11 to:

Gottfried Wilhelm Leibniz Universität Hannover

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