

The Chair of Tree Physiology Institute of Forest Sciences

searches for a PhD student in part-time employment (65%), start: 01.10.2016

The Project 'Environmental and intrinsic regulation of phosphorus acquisition, partitioning, storage, and mobilization in beech and poplar trees' is a sub-project of the 'SPP 1685 - Ecosystem nutrition: forest strategies for limited phosphorus resources'.

The project aims to characterize the influence of nitrogen nutrition on phosphorus cycling in beech trees, to identify drivers and processes that control phosphorus cycling within the whole tree with special emphasis on nitrogen deposition / fertilization and, to detect intrinsic factors that control phosphorus acquisition. The project allows the successful candidate to work on his/her PhD thesis.

Job profile:

- Supervision and development of field experiments and of approaches under controlled conditions.

- Analysis of phosphorus contents in plant tissues of beech and poplar.
- Analysis of phosphorus uptake by the trees roots.
- Writing of research reports and preparation of publications for international journals.
- Presentation of the research in workshops and scientific conferences.

Your profile:

- You have an excellent Master's or Diploma's degree in life science or biology.

- Very good knowledge in biochemical techniques (for example analysis of nutrients, such as ions), statistical approaches and strong interest in physiological research questions.

- Willingness to work in the field, i.e. taking samples from beech trees grown in the forest at several habitats of the SPP 1685.

- To be self-initiative and having high social skills to work in a team.

- Good language skills in English.

The position is restricted to 3 years and will finish 30th of September 2019. Salary: The salary is in accordance with the German public service salary scale (TV-L E13) with 65%.

Please sent your comprehensive application by **31.08.2016** at the latest either by post or electronically to:

Prof. Dr. Cornelia Herschbach, Albert-Ludwigs-Universität Freiburg, Professur für Baumphysiologie, Georges-Köhler-Allee 53/54, 79110 Freiburg. Email: Cornelia.Herschbach@ctp.uni-freiburg.de

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