

# Job vacancy for PhD position

Deadline 01.10.2021



At the Hesse Lab at the Institute of Biology II of the University of Freiburg a position as

## Scientific Assistant in the field of functional morphology and biomechanics of plants (m/f/d) TV-L 13 (65%)

is available for 01.11.2021 or later.

The Hesse Lab is headquartered in the Botanical Garden of the University of Freiburg and is part of Professor Thomas Speck's Plant Biomechanics Group, providing an attractive working environment for research in functional morphology, biomechanics and bionics in plants.

### Your responsibilities:

- Support and complement the research of the group in the research areas of functional morphology, static/dynamic imaging, magnetic resonance imaging, and biomechanics of monocotyledons.
- Scientific qualification (PhD) in the subject area "MRI based analysis of functional morphology of monocotyledons". In addition to classical histological analysis methods, modern 3D imaging techniques such as computed tomography and magnetic resonance imaging will be used.

### Our requirements:

- Completed master's or graduate degree in biology.
- Knowledge of botany (anatomy/morphology, analysis methods) and data analysis. Specific knowledge in biomechanics and 3D imaging is not mandatory but helpful.
- Fluency in written and spoken English. German language skills are helpful, but can also be acquired on site.

### We offer:

- Remuneration in accordance with the provisions of the collective agreement for the public service of the federal states (TV-L) in line with personal requirements up to pay group 13.
- An inspiring interdisciplinary working environment with creative freedom. Due to the linkage of the AG Hesse with the Plant Biomechanics Group of Professor Thomas Speck, exciting insights into diverse research topics at the frontiers of functional morphology and bionics are offered.
- You will be part of a group of PhD students of different progress and benefit from their field reports.
- You will be part of an interdisciplinary research project with the University Hospital of Freiburg.
- Access to advanced training opportunities for PhD students at the University of Freiburg.

### Application documents:

- Curriculum vitae in tabular form
- Testimonials
- Letter of motivation

The position is initially limited to 3 years. It is a part-time position (65%) within the framework of a DFG-funded research project.

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Applications with complete application documents are to be submitted by 01.10.2021 by mail or via e-mail to:

Dr. Linnea Hesse  
Albert-Ludwigs-Universität Freiburg  
Plant Biomechanics Group  
Botanischer Garten  
Schänzlestraße 1  
79104 Freiburg im Breisgau

E-Mail: [linnea.hesse@biologie.uni-freiburg.de](mailto:linnea.hesse@biologie.uni-freiburg.de)