

## Public Job Vacancy

45,000 students and 8,000 employees in teaching, research and administration, all working together to shape perspectives for the future – that is the University of Münster (WWU). Embedded in the vibrant atmosphere of Münster with its high standard of living, the University's diverse research profile and attractive study programmes draw students and researchers throughout Germany and from around the world.

The Institute of Geophysics (FB11) at the University of Münster, Germany, is seeking to fill a position for a

### **Doctoral Research Associate** *Wissenschaftliche/r Mitarbeiter/in* (salary level TV-L E13, 65%)

within the DFG funded Project "Investigation of the influence of mantle structures on Earth's core observations". We are offering a fixed-term, part-time position (65% FTE) for 3 years (corresponding to the project's duration), from 1 June 2023 until 31 May 2026.

#### **Your tasks:**

The successful candidate will be required to design and run advanced numerical simulations of wave propagation in order to understand the influence of deep Earth mantle structures on the propagation of seismic waves, usually used to infer structure of the inner Earth's core. In addition, the candidate will search for and analyse seismic data from different arrays in order to compare to the synthetic data. Finally including results from mineral physics, the candidate will generate an updated model of inner core structure.

This position is tied to working towards a doctorate.

#### **Our expectations:**

The successful candidate will have a MSc in geophysics or physics completed before the position commences. Knowledge of global seismology, seismic array methods and numerical programming (waveform propagation methods), and an understanding of the theory of elastic wave propagation with application on deep Earth questions are also necessary, as is knowledge of the analysis of global seismic data. Some knowledge of mineral physics is desirable. Fluency (written and oral) in the English language is essential. German language skills are not a prerequisite for the position but are desirable. We expect the candidate to be motivated with the ability to work independently, possess good teamwork skills and have good presentation skills.

The University of Münster strongly supports equal opportunity and diversity. We welcome all applicants regardless of sex, nationality, ethnic or social background, religion or worldview, disability, age, sexual orientation or gender identity. We are committed to creating family-friendly working conditions.

The University of Münster is an equal opportunity employer and is committed to increasing the proportion of women academics. Consequently, we actively encourage applications by women. Female candidates with equivalent qualifications and academic achievements will be preferentially considered within the framework of the legal possibilities.

Applications should include a short statement of the candidate's research experience and interests, a CV including a list of publications, relevant academic transcripts and the names and contact information of two potential referees.

Please submit your application either by e-mail (as a single PDF file) or post together with the usual documents by **1 March 2023** to the following address:

**Prof Dr. Christine Thomas**  
**c/o Lia Heinhold**  
**Institut für Geophysik**  
**Westfälische Wilhelms-Universität**  
**Corrensstr. 24**  
**48149 Münster**  
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