

The Institute for Mineralogy, Geosciences Department (FB 14), at the University of Münster, Germany, invites applications for a position as

**Research Associate (PhD Student) /
Wissenschaftliche Mitarbeiterin / Wissenschaftlicher Mitarbeiter
in Mineral Physics**

**Salary Level E 13 TV-L (60%)
from March 1st 2018**

The fixed-term position is available for 3 years. Currently, the regular full employment time is 39 hours and 50 minutes per week. All posts can, as a rule, also be filled as part-time positions if there are no compelling work-related reasons against doing so.

This PhD project will investigate the link between microstructures, phase transitions and seismic structures in deeply subducted slabs using a combination of advanced X-ray diffraction methods at synchrotron radiation sources and in-house experimental facilities (TEM, EMPA, Raman). The working language at the Institute for Mineralogy is English.

This position is part of an ANR-DFG collaborative project, [TiMEleSS](#) (Phase Transformations, MicrostructurEs, and their Seismic Signals from the Earth's mantle), between the University of Lille, GFZ Potsdam and the University of Münster. The candidate will join a dynamic group of mineral physicists and seismologists in France and Germany, and will work in close collaboration with other PhD students within the network.

Prerequisites:

We seek a highly motivated individual with keen interest in experimental work and ability to work independently. The candidates should have a strong background in mineralogy/mineral physics and petrology as well as a fair understanding of deep mantle seismology. Experience in high pressure and/or synchrotron techniques is desirable but not required. Good command of English (written and spoken), computational skills and availability to travel are required. Applicants should hold a Master's degree or equivalent in Earth Sciences, Physics, Chemistry or a related field at the time of the appointment.

Applications:

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. We also welcome applications from candidates with severe disabilities. Disabled candidates with equivalent qualifications will be preferentially considered.

Candidates should submit, in a single pdf file, a short statement of research experience and interests, a CV including a list of publications, and the names and contact information of three potential referees **by January 14th 2018** to Prof. Dr. Carmen Sanchez-Valle (sanchezm@uni-muenster.de). Review of applications will start immediately and will continue until the position is filled.

Please contact Prof. Dr. Carmen Sanchez-Valle for additional information concerning the project. General information about the Institute for Mineralogy and the University of Münster is available at:

<http://www.uni-muenster.de/Mineralogie/en/institut/institut.html>

<http://www.uni-muenster.de/en>