

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

Doctoral Research Associate
Wissenschaftliche Mitarbeiterin / Wissenschaftlicher Mitarbeiter
in Mineral Physics

Salary Level TV-L E 13 (75%)
from 1 May 2021

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.

The PhD project is funded as part of a DFG-RFBR Cooperation (Joint German-Russian Project). The project is aimed at exploring the electronic and magnetic properties of novel iron oxides at high pressures and over a wide range of temperatures. Knowledge of these properties is important for solid-state physics as well as for geoscience. The candidate will conduct the experiments employing state-of-the-art synchrotron X-ray techniques combined with characterization of the samples prior to and after the experiments at analytical facilities in Münster. The experimental results will be combined with the theoretical calculations performed by the collaborative partners in the Institute of Physics, Federal Research Center (Krasnoyarsk, Russia).

Prerequisites:

We seek a highly motivated individual with a keen interest in experimental work and the ability to work both independently and as a part of the team. Applicants should hold a master's degree or equivalent in physics, material science, chemistry, Earth sciences or a related field at the time of the appointment. Experience in high pressure, solid-state physics, Mössbauer spectroscopy, x-ray diffraction and/or other synchrotron techniques is desirable but not required. Good proficiency in English (written and spoken), computational skills and availability to travel are required.

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.

The University of Münster is committed to employing more staff with disabilities. Candidates with recognized severe disabilities who have equivalent qualifications are given preference in hiring decisions.

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 12. February, 2021** to Dr Ilya Kupenko (kupenko@uni-muenster.de). The review of applications will start immediately and continue until the position is filled.

Please contact Dr Ilya Kupenko 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>