



Zentrale Universitätsverwaltung  
Abteilung 3 - Personal



1305/2017

Halle (Saale), 10.10.2017

## External advertisement 5-5817/17-D

The Martin Luther University Halle-Wittenberg, Faculty of Natural Sciences III, Institute of Geosciences and Geography, Mineralogy/ Geochemistry group offers the following position limited for 3 years:

### Scientific Researcher "Mechanical properties of radiation damaged geomaterials"

Part-time: 66%

The salary will be determined up to pay grade 13 TV-L depending on the assigned tasks and personal qualifications.

#### Requirements/ expected profile:

- Completed degree (Diploma/ Master) in geosciences, physics, chemistry or engineering with focus on mineralogy/ crystallography, solid state physics, solid state chemistry or materials science
- Very good English skills (spoken and written), a passion for research and the ability to work independently are essential.
- Desirable: expertise in mechanics, inelastic light scattering, phonon spectroscopy, structural physics and modelling, as well as experience with nanoindentation, Raman/ IR spectroscopy and X-ray diffraction

#### Tasks/ job description:

- Studies of the mechanical properties and structures of radiation damaged geomaterials
- Duties include: Scientific services within the project, e.g., nanoindentation, Raman-, IR- and resonant ultrasound spectroscopic and TEM studies of the crystallization kinetics of radiation damaged phases
- Beyond the official responsibilities, the possibility for further scientific training will be given, especially the completion of a doctorate/ PhD is desired (the own in the project obtained scientific results can be used)

Priority will be given to applicants with severe disability and with equal qualifications. Women are strongly encouraged to submit their applications.

For more information please contact Dr. Tobias Beirau, phone: 0049 345 55-26123,  
E-mail: [tobias.beirau@geo.uni-halle.de](mailto:tobias.beirau@geo.uni-halle.de)

Please send your application as a single PDF file (incl. covering letter, CV, copy of degree and the names and E-mail addresses of two references) by E-mail to [tobias.beirau@geo.uni-halle.de](mailto:tobias.beirau@geo.uni-halle.de), **stating registration number 5-5817/17-D. The deadline for applications is November the 6th 2017.**

The announcement takes place pending any possible budget restrictions. Application expenses cannot be reimbursed by the Martin Luther University of Halle Wittenberg.