

Ph.D. Student Position in Desert Sedimentology/Geochemistry (f/m/d)

Institute of Geology and Mineralogy / CRC 1211 / A02 Paleoclimatology

Foto: Thomas Josef

The University of Cologne is one of the largest and most research-intensive universities in Germany, offering a wide range of subjects. With its six faculties and its interfaculty centres, it offers a broad spectrum of scientific disciplines and internationally outstanding profile areas, supported by the administration with its services.

In its second phase, the Collaborative Research Center (CRC) 1211 of the German Research Foundation (DFG) wants to deepen our understanding of the mutual evolutionary relationships between Earth surface processes and biota in (hyper-)arid desert systems, where both are severely limited by water availability (<https://sfb1211.uni-koeln.de>). The successful candidate will be a member of the CRC's Integrated Research Training Group (IRTG), which aims at educating a generation of truly interdisciplinary doctoral candidates in the fields of Earth and Life Sciences, a combination of growing importance in the course of ongoing and accelerated global change.

YOUR TASKS

- » Contribute to the reconstruction of Cenozoic precipitation changes in the Atacama Desert, Chile
- » Participate in field work on endorheic mud pans in the Atacama and Namib Deserts
- » Analyse sedimentary records from mud pans by a multidisciplinary approach with focus on sedimentology/geochemistry
- » Integrate the results with marine- and model-based paleoclimate research within and beyond the CRC 1211
- » Publish the research results in international scientific journals

YOUR PROFILE

- » M.Sc. or equivalent in geology, sedimentology, geochemistry or a closely related field
- » Skills in multidisciplinary analyses of sediment sequences
- » Interest in paleoclimatology and sedimentary processes
- » Ability and interest in interdisciplinary research
- » Very good knowledge of English obligated, Spanish skills beneficial

WE OFFER YOU

- » The opportunity to work as a researcher and to complete your Ph.D. within an international team of scientists
- » A diverse and fair working environment
- » Support in reconciling work and family life
- » Flexible working time models
- » Extensive advanced training opportunities
- » Occupational health management offers
- » Local transport ticket at a discount for UoC employees

The position is available from 01.01.2021 on a part time basis (75%). It is limited to three years. If the applicant meets the relevant wage requirements and personal qualifications, the salary is based on remuneration group 13 TV-L of the pay scale for the German public sector.

The University of Cologne promotes equal opportunities and diversity in its employment relations. Women are strongly encouraged to apply and given priority in accordance with the Equal Opportunities Act of North Rhine-Westphalia (Landesgleichstellungsgesetz – LGG NRW). We explicitly welcome applications from individuals with severe disabilities or people of equivalent status. Severely disabled applicants of equal merit and qualifications will be given priority.

Please send your application (one pdf file), including motivation and interests, CV, and copies of certificates by email to Prof. Dr. Martin Melles (mmelles@uni-koeln.de). The Reference number is WISS2009-03.

The application deadline is October 10, 2020.