

Faculty of Mathematics and Natural Sciences

## Ph.D. position "Land-ocean coupling between the Humboldt Current System and Atacama palaeoclimate in the Neogene" (CRC 1211) (f/m/d)

Institute of Geology and Mineralogy / Group on Micropalaeontology and Palaeoecology

Foto: Thomas Josek

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, CRC 1211 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, 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

- » Conduct geological field work on marine surface outcrops in the Atacama Desert
- » Reconstruct upwelling and ENSO behavior off northern Chile in the Mio-/Pliocene from micropalaeontology (foraminifera) and shell geochemistry (stable isotopes, trace elements; foraminifera, mollusks)
- » Integrate results with terrestrial- and model-based paleoclimate research in the Atacama Desert
- » Collaboration with the international team of CRC 1211
- » Publishing of research results in international scientific journals

### YOUR PROFILE

- » M.Sc. in Micropalaeontology, Palaeontology or a closely related field
- » Skills in foraminiferal taxonomy, statistical analyses and/or geochemistry of biogenic carbonates
- » Interest in paleoceanography and paleoclimatology
- » Experience with field-work
- » Good knowledge of English

### 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 apply online at: <https://jobportal.uni-koeln.de> with proof of the sought qualifications. Your application should include a cover letter outlining your motivation and qualifications for the project, CV, copies of certificates, and letter(s) of reference. The reference number is Wiss2008-02.

If you have questions regarding the position do not hesitate to contact [pgrunert@uni-koeln.de](mailto:pgrunert@uni-koeln.de) and/or [jassin.petersen@uni-koeln.de](mailto:jassin.petersen@uni-koeln.de).

The application deadline is 15.09.2020.