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.

The Geomorphology & Geochronology chair group focuses on how physical, biological, and anthropogenic processes shape the outer skin of our planet. Over the last years new luminescence imaging techniques have been developed that have the potential to spatially resolve luminescence proxies and link them to key earth surface processes. These new techniques have the potential to facilitating four-dimensional reconstructions of soil and landscape dynamics. We seek for a talented candidate that will help us to develop and mature those promising new luminescence imaging techniques.

**YOUR TASKS**

- Development of new luminescence imaging techniques (e.g. EMCCD, IRPL)
- Linking spatially resolved luminescence proxies to key earth surface processes
- Fieldwork, experimental work, and development of tailor-made computer codes
- Contribution to the initiation of competitive research grants
- Publication of results in international peer reviewed journals
- Bridging across disciplines within Geosciences Department
- Building a strong teaching profile within Physical Geography

**YOUR PROFILE**

- Degree in Geosciences (preferably PhD) associated to luminescence dating
- Affinity with luminescence imaging of earth surface processes and its interactions
- Affinity with “R” or other software for statistical treatment of complex experimental data
- Strong academic track record
- Affinity with teaching
- Very good communication skills in English (oral & written)
- Willingness to be proficient in German within 2 years

**WE OFFER YOU**

- 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 01.09.2020 on a full time basis. It is limited to six years. If the applicant meets the relevant wage requirements and personal qualifications, the salary is based on remuneration group TV-L 13 of the pay scale for the German public sector.

The University of Cologne is committed to equal opportunities and diversity. Women are especially encouraged to apply and will be considered preferentially in accordance with the Equal Opportunities Act of North Rhine-Westphalia (Landesgleichstellungsgesetz – LGG NRW). We also expressly welcome applications from people with disabilities / special needs or of equal status.

Please apply online at: [https://jobportal.uni-koeln.de](https://jobportal.uni-koeln.de) with proof of the sought qualifications. The reference number is Wiss2006-03.

If you have questions regarding the position do not hesitate to contact: t.reimann@uni-koeln.de.

The application deadline is 15.07.2020.