



## PhD Position in Luminescence Dating

The Terrestrial Sedimentology Group at the Department of Geosciences at the University of Tübingen invites applications for a

### **PhD Researcher (m/w/d; E 13 TV-L, 75%)**

For the duration of three years, starting 1.1.2023.

The PhD project will investigate novel feldspar luminescence dating techniques. Although the PhD student will be based in Tübingen, the research will be in close cooperation with the luminescence laboratory at the Institute of Earth and Environmental Science in Freiburg, Germany and will therefore include regular trips to Freiburg. This is a DFG-funded project which focuses on the stimulation of feldspar grains with yellow light, and will evaluate the potential of this new optical dating approach for applications within the fields of terrestrial sedimentology, geomorphology and archeology.

#### **Your responsibilities will be**

- The development of novel feldspar luminescence dating techniques
- Communication of results in scientific journals and at scientific meetings

#### **We expect**

- Completed MSc in physics, earth sciences or geography
- An interest in geochronological research questions and motivation to contribute to fundamental research in trapped-charge dating
- Willingness to engage and cooperate scientifically with a collegial, interdisciplinary and international team working on exciting science
- Experience with luminescence dating or trapped-charge phenomena is desirable but not essential

#### **We offer**

- An excellent, interdisciplinary and international team working on a range of exciting and novel scientific projects
- A world-class geosciences department within one of Germany's top universities
- A beautiful setting in a vibrant university town (<https://www.tuebingen.de/en/>)

The university seeks to raise the number of women in research and teaching and therefore urges qualified women academics to apply for this position. Equally qualified applicants with disabilities will be given preference. The central administration will undertake the hiring process.

Your application should comprise a letter of motivation, CV (including publications if any), certificates and contact information for 2 referees. Please submit your application as a single PDF (max. 10MB) by 31 August 2022 to Dr. Tobias Lauer ([tobias.lauer@uni-tuebingen.de](mailto:tobias.lauer@uni-tuebingen.de)) using the subject line "PhD luminescence dating". For enquiries regarding the post please contact Dr. Tobias Lauer.