The Chair of Applied Geology at GeoZentrum Nordbayern, University of Erlangen-Nuremberg, Germany is offering a

PhD position

IN BIOGEOCHEMISTRY & STABLE ISOTOPE RESEARCH

We seek a highly motivated candidate for an interdisciplinary project on biogeochemistry and turnover of oxygen and carbon in the frame of an international DFG project in collaboration with China. It involves aqueous chemistry and stable isotopes of dissolved and particulate carbon as well as dissolved oxygen on water reservoirs. Laboratory experiments with algae and method development are also foreseen. Project objectives include establishment of oxygen and carbon dynamics mostly in lakes and reservoirs with determination of their sources and sinks including quantification of respiration and photosynthesis as well as atmospheric exchange.

We offer:
- Participation in an interdisciplinary research project with biogeochemists, ecologists and modellers
- A vibrant academic environment
- Well-equipped stable isotope and geochemical laboratories and excellent field logistics

Candidate profile:
- Master degree (or equivalent) in Natural Sciences
- Strong interest in biology and geochemistry
- Willingness to carry out fieldwork in Germany and China
- Ability to independently develop and perform experimental approaches
- Enthusiasm for scientific writing and publishing
- Scientific results are also expected to be presented on conferences
- A valid EU rivers licence (B) would be an advantage
- A good command of English is essential, while knowledge of German would be an advantage for the working environment.

The expected start is between March and May 2019 and the salary is TVL E13 up to 65 % together with health and social security benefits for 3 years. Please address further questions and applications (cover letter, motivation statement, CV, academic transcripts & certificates, publication list and contact details of referees **in one coherent PDF file**) to johannes.barth@fau.de before 7th of February 2019.

FRIEDRICH-ALEXANDER
UNIVERSITÄT
ERLANGEN-NÜRNBERG

NATURWISSENSCHAFTLICHE
FAKULTÄT

GeoZentrum
Nordbayern