PhD or Postdoc Position in Paleoclimate Modeling in the European Alps

The Earth System Dynamics research group at the University of Tübingen, Germany, announces **1 PhD position or 1 Postdoc position** associated with a new DFG (Deutsche Forschungsgemeinschaft) funded project that is part of the DFG priority program "Mountain Building Processes in 4D" (www.spp-mountainbuilding.de). The project is titled "Neogene Paleoelevation and Paleoclimate of the Central Alps – Linking Earth Surface Processes to Lithospheric Dynamics" and integrates stable isotope altimetry records of the Central Alps with high resolution, global isotope tracking paleoclimate model simulations. Different uplift scenarios for the Neogene are tested with the help of climate model simulations with the aim to 1) put further constraints on the paleoelevation history and 2) evaluate the impact of climate change and different surface elevation scenarios on isotopes in precipitation across the Alps.

Candidates with interests in atmospheric **general circulation modeling (GCM)** of paleoclimate and the interplay between tectonics, climate and erosion should apply. The candidate will conduct simulations with the German isotope tracking GCM ECHAM5-wiso for different times within the Neogene, process and analyze output using cutting edge software and methods from climatology, and collaborate with PhD students and postdocs from different institutes and disciplines to address the project's aims. State of the art facilities for high performance cluster computing are available.

Requirements for applicants are written and spoken fluency in English and completion of an MSc degree (or equivalent) prior to appointment as a PhD candidate or completion of a PhD prior to appointment as a postdoctoral researcher. The **start date for the position is January 1, 2018**. Proficiency in German is beneficial, but not required. The applicant is required to have basic knowledge of shell scripting and NCAR Command Language or the willingness to learn these in the early stages of the project. Knowledge of Fortran is beneficial.

The appointment is for **36 months and salaries are at the German TV-E13 level (75%)**.

Application materials should include: a CV and list of prior publications (if any), a 1-2 page cover letter with a statement of research interests, and contact information for three referees familiar with the candidate's research. Application materials should be sent as a single PDF file via e-mail and in English. Questions concerning this position should be directed to Dr. Sebastian Mutz (sebastian.mutz@uni-tuebingen.de) or Prof. Todd Ehlers (todd.ehlers@uni-tuebingen.de). Additional information about the Earth System Dynamics research group is available at: www.geo.uni-tuebingen.de/esdynamics. ***Applications should be submitted by July 1, 2017*** *via email to bewerbung@geo.uni-tuebingen.de.* Tübingen is a university town and offers a high quality of living and numerous recreational opportunities in southwest Germany.

The University of Tübingen is committed to increasing the proportion of women in research and teaching positions and therefore encourages qualified candidates to apply. Disabled persons will be given preference if equally qualified. Employment takes place via the Central Administration of the University.