

**JOB DESCRIPTION**

**Job Title:**  Research Associate

**Salary range and conditions:**

**Department/Division:** **Lancaster Environment Centre**

**Reports To:** **PI**

**Manages/supervises:** n/a

**Job Purpose**

Lancaster Environment Centre (LEC) is seeking to appoint a post-doctoral Research Associate for a fixed term contract which will run from February 2026, for twelve months, with the potential possibility of a short extension, dependent on funding.

The project will utilise medium and low temperature detrital thermochronological data from Himalayan sediments to constrain the tectonic evolution of the Eastern Himalayan syntaxis. The data will focus on recently acquired (unpublished) ages from detrital rutiles double-dated with U-Pb and He techniques. The PDRA will work under the guidance of the Principal Investigator of the project (Prof Yani Najman) and collaborator Prof Peter Van der Beek (Institute of Geological Sciences, University of Potsdam, Germany) to carry out research, including data reduction, modelling, interpretation and leading the publication of the research in an international peer-reviewed journal. The work will include modelling of the data using PECUBE, ideally undertaken during a two month visit to Peter Van der Beek in Germany, who will lead the modelling element of the project. Prior experience with PECUBE or thermal modelling is therefore highly desirable. The data are already collected, thus allowing sufficient time for modelling, interpretation and write up to publication, within the year’s funding duration.

The project is funded by an NSF-NERC grant, with NERC as the funder of this position, and funds already in place at Lancaster.

The post is full-time based in Lancaster, UK, with a two month academic visit to Potsdam. The post includes funds for presenting at an international conference (likely EGU).

Informal enquiries are encouraged and should be made to Yani Najman or Peter van der Beek by email: y.najman@lancaster.ac.uk, [vanderbeek@uni-potsdam.de](mailto:vanderbeek@uni-potsdam.de).

**Main Responsibilities are to:**

* Undertake thermal modelling of new pre-collected data, also including the incorporation of previously published data into the model.
* Interpret data in terms of the tectonic history of the region
* Take the lead in publication of this research in high quality international peer-reviewed academic journals in collaboration with Yani Najman, Peter van der Beek, Dr Chris Mark (NRM Stockholm Sweden; who has been responsible for the collection of the rutile U-Pb data) and Prof Becky Flowers and Dr Jim Metcalf (Dept of Geological Sciences, CU Boulder, Colorado, USA; who have been responsible for the rutile double dating with He).
* Present this research at an international conference.
* Support the PI, with a contribution to additional papers on this general topic, on which they would co-author, and potentially by providing some limited teaching and outreach assistance.

**EDI Statements**

The University recognises and celebrates good employment practice undertaken to address all inequality in higher education whilst promoting the importance and wellbeing for all our colleagues.

We warmly welcome applicants from all sections of the community regardless of their age, religion, gender identity or expression, race, disability, or sexual orientation, and are committed to promoting diversity, and equality of opportunity.