

Postdoctoral position in Paleoceanography and Paleoclimatology

The Angers research team (LPG-BIAF UMR6112) from the Laboratory of Planetology and Geodynamics invites applications from outstanding young scientists for a postdoctoral position in paleoceanography to participate in a research project aimed at reconstructing Holocene marine environmental change at decadal to centennial timescales in North Atlantic and Mediterranean regions.

Job description

The candidate will integrate the team of Angers (France), the laboratory of modern and fossil bio-indicators (LPG-BIAF UMR6112). He/she will be involved in multi-proxy studies aimed at building a basin wide reconstitution, at high time resolution, of Holocene temporal variability of planktonic and benthic oceanic ecosystems using marine sediments from the Mediterranean and North Atlantic. A fundamental interest, through this project, is to reconstruct patterns of ocean-atmosphere internal modes of climate system and to establish the poorly known teleconnections between the different oceanic basins controlled by these climatic patterns. This variability is discussed in terms of climate-related changes affecting thermohaline circulation, water column characteristics (sea surface temperatures-SSTs, salinity, oxygenation) and surface productivity in response to external and internal forcing factors. Insights into all these variations are obtained mainly from the succession of benthic and planktonic foraminiferal species with known ecological requirements, stable isotope analyses and selected elemental ratios measured on their shells. Micropaleontological analyses are key to the project, and hence the candidate is expected to have advanced knowledge in marine micropaleontology, mostly foraminifera and foraminiferal-based paleoceanographic reconstructions.

Qualifications

- A relevant PhD degree in Natural/Earth Sciences.
- A proven record in paleoclimate/paleoceanography research, demonstrated by publications in international peer-reviewed journals.
- Demonstrated expertise in marine micropaleontology is required.
- Good knowledge of data processing and statistics.
- Interest in the application/interpretation of trace elements and/or stable isotopes as tools for paleoceanographic reconstruction will be considered an advantage.
- Interest in foraminiferal-based laboratory culture experiments
- Proficiency in English is required as well as excellent organization and communication skills.
- Excellent ability in writing scientific papers, as many data are already available and need to be interpreted and published

Application

The application must include:



- Letter of motivation.
- Curriculum Vitae, including a list of publications indicating journal papers that are registered in ISI Web of Science.
- Names and contact information of at least two referees.

Applications should be submitted to meryem.mojtahid@univ-angers.fr referencing "*Application to postdoctoral position paleoceanography*".

Closing date for applications: 15 November 2018

Salary and conditions of employment

- Duration of the contract is 18 months (with possibility of 6 months extension depending upon performance).
- The monthly salary is approximately ~2150 € after taxes

The position will be based at the University of Angers (LPG-BIAF UMR6112), city of Angers (France).

Starting date: January 2019