



Ph.D-Position - Biogeochemistry -

The **Leibniz Center for Tropical Marine Ecology (ZMT) GmbH** in Bremen is a member of the Leibniz Association, which is supported by the German Federal and State Governments. Through its research, Leibniz-ZMT GmbH contributes to developing science-based strategies for sustainable use of tropical coastal systems (www.zmt-bremen.de).

The ZMT has a vacancy for a Ph.D. student to start in February/March 2012 within the framework of a bilateral Costa Rica / German project titled: "Coral reef adaptation strategies to carbonate chemistry changes along the Costa Rican Pacific coast". This project addresses the issue of ocean acidification caused by anthropogenic emissions of CO₂ in the atmosphere. Many experiments have shown that calcification of scleractinian corals decline with increasing CO₂ concentration. The Costa Rican Pacific coast is partly affected by corrosive waters that well up along the coast and periodically expose reefs to pH values lower than usual and similar to those expected in a high CO₂ world of the future. With this project we are interested to study the impact of upwelling on the carbonate chemistry of surface waters and the adaptation of coral reefs to natural changes in seawater chemical composition. The work will be carried out in Costa Rica and in the ZMT laboratories in close cooperation with the Systems Ecology Group and the Marine Ecology Group of the ZMT the University of Costa Rica in San Jose. The appointment is for a three-year period. Salary will be according to the German TV-L 13 for a half-time position.

Requirements:

Applicants should hold a Master or Diploma degree in chemistry, geology, biology, or related fields and should ideally have experience with marine carbon chemistry and coral reef ecology.

Application:

To apply, please send a motivation letter, a complete CV with list of publications and skills, and names with email addresses and phone numbers of two referees in a single pdf-file to the address below. Only short-listed candidates will be notified.

Closing Date:

January 31, 2012 or until a qualified candidate is identified. The Leibniz-ZMT GmbH is an equal opportunity employer. Disabled persons with comparable qualification receive preferential status.

Contact:

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