

Postdoctoral position in Regional Earth System Modeling at UCLA

The UCLA Dept. of Atmospheric and Oceanic Sciences has received a 5-year (ending in June 2020) NSF Collaborative Research award for assessment of the future evolution of the four Eastern Boundary Upwelling Systems (EBUS). This project aims to provide a comprehensive understanding of the consequences of climate change and its interplay with decadal variability over the coming decades in coastal upwelling systems. As described below, UCLA seeks one postdoctoral scholar to work on this project.

The postdoctoral scholars will oversee continued development and application of atmospheric (WRF) and oceanic (ROMS) components, including physical and biogeochemical aspects (BEC model). Development activities will concentrate mainly on improvement of the coupled model, while applications include analyses of mechanisms of climate change (from existing idealized climatic regional simulations and new simulations carried out by the postdoc or the team). The position will be supervised by Dr. Lionel Renault and Pr. James C. McWilliams and will also involve collaboration with other faculty and researchers within UCLA (Pr. Alex Hall, Dr. Fayçal Kessouri, and Dr. Pierre Damien) and University of Washington (Pr. Curtis Deutsch). The position is available for one year, initially, and will be renewable on an annual basis. It is available immediately, although the start date is negotiable.

Applicants should have a PhD in Atmospheric and Oceanic Sciences or a related field, effective oral and written communication skills, and an interest in collaborative research and climate change. Strong programming skills and running regional or global numerical models (oceanic and possibly atmospheric) are also essential. Applicants should submit a brief statement of research interests and goals and a complete CV, including contact information for three references to Dr. Lionel Renault. Applications should be respectively submitted via email to lrenault at atmos.ucla.edu. Consideration of applications will begin immediately.

UCLA are an Equal Opportunity-Affirmative Action employer. All qualified applicants, including minorities and women, are encouraged to apply.