

Postdoctoral position in Regional Earth System Modeling at UCLA

The UCLA Dept. of Atmospheric and Oceanic Sciences has received a 5-year 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 coastal air-sea interaction, and mechanisms of climate change (e.g., cloud response, wind, upwelling, biogeochemical response). The UCLA position will be supervised by Dr. Lionel Renault and will also involve collaboration with other faculty and researchers within UCLA (Profs. Alex Hall and Jim McWilliams, Drs. Sebastien Masson and Fayçal Kessouri) and University of Washington (Prof. Curtis Deutsch). The position is available for one year, initially, and will be renewable on an annual basis. They are 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 are also essential. Experience running regional or global numerical models will be an advantage, especially WRF, ROMS and/or biogeochemical models. 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 and UW are an Equal Opportunity / Affirmative Action employer. All qualified applicants, including minorities and women, are encouraged to apply.