

Postdoctoral Scholar in Tropical Climate Modeling at UC Irvine

We are looking for a postdoctoral research associate interested in using earth system simulations to understand how regional atmospheric circulation and convection over tropical continents are modified by forest responses to rising atmospheric CO₂ and other global change drivers.

The term of appointment is for one year, and renewable for a second year, subject to satisfactory progress. Start dates are flexible but we are eager to hire soon.

A strong foundational background in atmospheric science is required, with expertise in convection, equatorial and orographic dynamics, boundary layer meteorology, aerosols, or other climate processes. Well-qualified candidates will have familiarity or interest in the regional circulations that deliver moisture to Amazon forests, interactions between the Amazon and the Andes, or other aspects of tropical dynamics. Computational fluency in atmospheric simulation technology such as the Community Earth System Model or the Weather Research and Forecasting models is a necessary skill for this position.

The postdoctoral scholar will be expected to work closely with Profs. Michael Pritchard and James Randerson within the Department of Earth System Science. The Earth System Science Department is a highly interdisciplinary environment with faculty expertise in many components of the Earth System, including atmospheric physics, land surface processes, climate dynamics, terrestrial and marine biogeochemical cycles, ice sheets, and human systems.

Please submit electronically as a single PDF: (1) a brief cover letter, (2) a curriculum vitae, (3) and the names of three references. Applications can be sent directly to Mike Pritchard at mspritch@uci.edu <<mailto:mspritch@uci.edu>>.