Photo credit: NASA

Postdoctoral Scholar in Tropical Cloud-Climate Dynamics

Dr. Andrea Jenney at Oregon State University invites applications to fill a Postdoctoral Scholar position working on an NSF-sponsored project investigating regional variations in **tropical cloud radiative effects** and **anvil clouds** over the oceanic ITCZs. The broader goals of the project are to reduce uncertainty in cloud feedbacks and Earth's climate sensitivity.

Compensation: 12-month (1.0 FTE) with annual salary of $65,000 - $76,000 USD (amount commensurate with experience). Benefits information may be found at the OSU Postdoctoral Scholars Benefits page.

Position duties:
Research and Scholarship (85%): The successful applicant will, in collaboration with Dr. Andrea Jenney, perform observational data analyses, design/run/analyze numerical model experiments with climate and/or cloud resolving models, and/or develop theoretical models, with the approaches used dependent upon postdoc interests and skills; lead and contribute to peer-reviewed publications.

Professional Development (15%): Work to establish a record of accomplishments and skills aligned with self-identified career goals. The postdoctoral scholar may further these goals by, for example, providing service to committees, working groups, and panels of professional organizations, CEOAS, and/or OSU; by participating in organizing professional meetings; and/or by reviewing abstracts, articles, and proposals.

Location: College of Earth, Ocean, and Atmospheric Sciences, Oregon State University, Corvallis, Oregon, USA

Minimum requirements
- Ph.D in atmospheric science, Earth science, climate dynamics, applied mathematics, physics or a related field (at the time of appointment)
- Background in climate dynamics and atmospheric convection
- Strong oral and written communication skills (English language), with record of peer-reviewed publications in an established area of expertise related to Earth, Ocean, and/or Atmospheric Science

- Excellent data analysis skills
- Proficiency in Python or similar languages for scientific analysis
- Initiative to expand skills and expertise
- Ability to work both collaboratively and independently

Preferred requirements
- Experience configuring, running, and analyzing numerical climate, ocean, atmosphere, or fluid dynamics models
- Experience with high performance computing is preferred although training and support is available
- Familiarity with radiative transfer, cloud feedbacks, and/or cloud microphysics

Start date: October 1, 2025 though some flexibility in start date is available

To Apply:
Send the following (in one PDF document) to Andrea Jenney (andrea.jenney@oregonstate.edu)
• Complete CV (with academic transcripts)
• Letter of interest and experience (**2 pages max**)
• Contact information of two references

Applications received before August 1, 2025 will receive full consideration.

Why OSU?

Oregon State University's College of Earth, Ocean, and Atmospheric Sciences (CEOAS) boasts a distinguished faculty comprised of experts in atmospheric science, oceanography, cryosphere science, geography and related fields, whose groundbreaking work advances our understanding of climate science. CEOAS provides unparalleled resources and opportunities for students and researchers. From field expeditions to numerical modeling, our multidisciplinary approach fosters a comprehensive understanding of the processes shaping the climate system. Diverse research initiatives span from regional to global scales, encompassing a wide range of phenomena such as ocean-atmosphere coupling, coastal processes, and climate variability.

OSU:
• Top 1.4% university in the world
• More research funding than all public universities in Oregon combined
• 1 of 3 land, sea, space and sun grant universities in the U.S.
• 2 campuses, 11 colleges, 12 experiment stations, and Extension programs in all 36 counties
• 7 cultural resource centers that offer education, celebration and belonging for everyone
• 100+ undergraduate degree programs, 80+ graduate degrees plus hundreds of minor options and certificates
• 35k+ students including more than 2.3k international students and 10k students of color
• 217k+ alumni worldwide

• For more interesting facts about OSU visit: https://oregonstate.edu/about

Nestled in the heart of the Willamette Valley in the Pacific Northwest region of the United States, Corvallis is a bicycle friendly college town surrounded by natural beauty and opportunities for outdoor recreation. The city offers many miles of mountain biking and hiking trails, a scenic river perfect for canoeing or paddleboarding, and a charming downtown with local restaurants, an impressive weekly farmer's market, and regular cultural events. Corvallis is about an hour's drive from the Oregon Coast, known for its rugged beaches and dramatic landscapes, and just over two hours from the Cascade Mountains, which offer downhill skiing in winter. Corvallis is situated between two major cities: Eugene (45 minutes south) and Portland (90 minutes north), which both have international airports (PDX and EUG).