

## **Postdoctoral Research Associate at Princeton: Understanding sources of tropospheric ozone variability and trends**

Princeton University Program in Atmospheric and Oceanic Sciences seeks an enthusiastic postdoctoral researcher to participate in modeling and observational studies of tropospheric ozone variability and trends. During the first year, the successful candidate will analyze intensive measurements from the 2017 Fires, Asian, and Stratospheric Transport - Las Vegas Ozone Study (FAST-LVOS), in conjunction with high-resolution global chemical transport models, to fingerprint the specific sources of high surface ozone events in the Las Vegas area and across the western United States. The candidate will work with [Dr. Meiyun Lin](#), the Principal Investigator of the project, to estimate the importance of deep stratospheric intrusions and long-range transport of Asian pollution relative to US regional anthropogenic pollution and wildfires. During the second year, contingent upon satisfactory performance, the candidate will assist in a process-oriented study to assess how well the global models used in phase 1 of [the IGAC/Chemistry-Climate Model Initiative](#) (CCMI) represent observed interannual variability and long-term trends of tropospheric ozone at northern mid-latitudes over the past 20-40 years. The postdoctoral researchers will also have opportunities to interact with other researchers at NOAA Geophysical Physical Fluid Dynamics Laboratory and Earth System Research Laboratory.

The candidate must have a PhD, preferably in atmospheric chemistry. A good knowledge in air quality-climate modeling, strong statistical skills, and experience in joint analysis of observations and models to improve understanding will be appreciated. Postdoctoral appointments are initially for one year with the renewal for subsequent years based on satisfactory performance and continued funding. A competitive salary is offered commensurate with experience and qualifications.

Applicants must apply online. Complete applications, including a CV, copies of 2-3 recent publications, names of three referees who will be providing letters of support, and a titled research proposal, should be submitted to <https://www.princeton.edu/acad-positions/position/701> no later than April 10, 2017, for full consideration. This position is subject to the University's background check policy.

Princeton University is an equal opportunity/affirmative action employer and all qualified applicants will receive consideration for employment without regard to age, race, color, religion, sex, sexual orientation, gender identity or expression, national origin, disability status, protected veteran status, or any other characteristic protected by law.