Postdoctoral Researcher in Atmospheric Chemistry of Plant Volatiles

at the University of California Irvine, Department of Ecology and Evolutionary Biology

Closing date: October 4th, 2019.

Project description
Plants are the single largest source of reactive volatile organic compounds to the atmosphere. Global change is altering the environmental factors that regulate plant volatile emission rates. The Faiola lab (https://faculty.sites.uci.edu/cfaiola/) is hiring a postdoctoral researcher who will investigate the chemistry of complex mixtures of plant volatile emissions, including the composition and properties of atmospheric aerosol formed from oxidation of those emissions and how aerosol formation changes when the plants are stressed. The postdoctoral researcher will conduct laboratory experiments investigating secondary organic aerosol (SOA) generation from the oxidation of real plant volatile emissions. Plant volatile emissions, SOA production, and SOA composition will be characterized from a variety of plant functional types under different environmental conditions. The postdoctoral researcher will be affiliated with the AirUCI research community at UC Irvine, and will be encouraged to collaborate with other AirUCI researchers (http://airuci.uci.edu/).

Qualification requirements
Postdoctoral positions are appointed primarily for purposes of research. Applicants are expected to hold a doctoral degree from an accredited U.S. institution or equivalent degree from another country. The qualifying applicant should hold a doctoral degree with research experience in a related field. Prior experience using mass spectrometers is considered a benefit. The applicant should be skilled at working on collaborative research projects and producing peer-reviewed publications. Excellent communications skills in English are required. Individuals from groups under-represented in the sciences are encouraged to apply.

Terms of employment
The position involves full-time employment for one year with extension for an additional year upon satisfactory progress. Start date is negotiable.

The University of California, Irvine is an Equal Opportunity/Affirmative Action Employer advancing inclusive excellence. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, age, protected veteran status, or other protected categories covered by the UC nondiscrimination policy.

Contact and Application Instructions
To apply or request additional information, please contact Assistant Prof. Celia Faiola at cfaiola@uci.edu. Please include the following with your application: CV, a cover letter, and three references. The cover letter should describe your interest in the position and briefly summarize your relevant skills/experience.