

### **Postdoctoral Research Associate**

The Department of Environmental Sciences at the University of Virginia (UVA) seeks a Postdoctoral Research Associate to understand the environmental and biotic controls of vegetation photosynthesis from multiple spatial scales. The candidate will be working on leaf to canopy level measurements of solar-induced fluorescence (SIF) and its linkage to plant photosynthesis. The Research Associate will be responsible for developing a mechanistic relationship between SIF and photosynthesis at both leaf and canopy scale. This position will be designing and conducting controlled experiments in the University of Virginia greenhouse and will also be responsible for making canopy SIF measurements at several forested sites, and analyzing the environmental and biotic controls of the SIF-GPP relationship. The postdoc will prepare a manuscript, based on the modeling work, for publication in a peer-reviewed journal. The position will work directly with Xi Yang in the Department of Environmental Sciences.

A Ph.D. in plant physiology, ecology, earth system science, remote sensing, or a related field is required by appointment start date. Applicants must have a valid U.S. driver's license by the start date of the position and have the ability to transfer to a Virginia driver's license within 60 days. Applicants must be willing and able to conduct physically demanding fieldwork in all seasons. Knowledge of recent development of SIF and experience with leaf gas exchange measurements will be preferred. Knowledge of one or more advanced computer programming languages is required, such as either Matlab or R. The successful candidate must be enthusiastic, creative, and highly motivated. Strong skills in verbal and written communication of scientific results, ability to work both independently and collaboratively as a member of interdisciplinary teams, and ability to organize, prioritize, and coordinate multiple tasks are required.

Appointment is for one year with possibility of a renewal for one additional year, contingent upon satisfactory performance and funding. The anticipated start date will be February 1, 2017.

To apply, complete a Candidate Profile through Jobs@UVA (<https://jobs.virginia.edu>) and electronically attach the following: a cover letter describing research experience, interests, and experience with interdisciplinary teams; a curriculum vitae; and contact information for three (3) references; search on posting number 0619862.

Review of applications will begin December 15, 2016. However, the position will remain open until filled.

Questions regarding this position should be directed to:  
Xi Yang - [xiyang@virginia.edu](mailto:xiyang@virginia.edu)

Questions regarding the Candidate Profile process or Jobs@UVA should be directed to:  
Rachel Short - [rbs2n@virginia.edu](mailto:rbs2n@virginia.edu)

The University will perform background checks on all new hires prior to making a final offer of employment.

The University of Virginia is an equal opportunity/affirmative action employer. Women, minorities, veterans and persons with disabilities are encouraged to apply.