

## **Postdoctoral Position in Agricultural and Wastewater Greenhouse Gas Emissions**

There is an opening for a postdoctoral scholar in Francesca Hopkins' Greenhouse Gas Emissions Lab in the Department of Environmental Sciences at the University of California, Riverside (UCR). The postdoc will work with an interdisciplinary team at UCR and Princeton University (with PI Professor Mark Zondlo and Professor Z. Jason Ren) to investigate emissions of methane, nitrous oxide, and ammonia from agricultural and municipal wastewater systems.

The ideal candidate is a highly motivated, independent researcher with experience with greenhouse gas measurements under field conditions. Experience with cavity ring-down laser spectroscopy, environmental sensors, eddy covariance, stable isotope measurements and/or flux chambers is advantageous. The project will focus on characterizing the emission signatures from select facilities using a mobile laboratory (UCR Laboratory for Isotope Measurements in the Environment/Analysis Vehicle for Onroad Capture of Atmospheric Data and Observations) and on-site measurements at dairy farms. The position is available immediately with a start date ideally no later than March 1, 2021.

The postdoctoral scholar will develop and carry out a field measurement plan to investigate the emission signature of selected waste facilities in California, including dairy farms. They will analyze the data, communicate regularly with the team, and publish results in scientific journals and at relevant meetings.

**Qualifications:** The successful candidate should hold a Ph.D. degree in biogeochemistry, ecosystem ecology, soil science, geochemistry, or related field with emphasis on greenhouse gas dynamics. They should have field and instrumentation experience, and ideally have published in peer reviewed scientific journals. A valid driver's license is required. Candidates must have received a PhD within the past five years from an accredited college or university.

**Application contents:**

- One page cover letter describing the applicant's research experiences and interests
- Curriculum vitae
- Names, addresses, email, and phone number for 3 references

**Contact:** Applications or informal inquiries can be sent to Dr. Francesca Hopkins at fhopkins@ucr.edu with GHG POSTDOC as the subject line. The University of California is an Equal Opportunity / Affirmative Action Employer with a strong institutional commitment to the achievement of excellence and diversity among its faculty and staff. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, disability, protected veteran status, or any other characteristic protected by law.