

Postdoctoral Position- Soil Biological Health, USDA-ARS, Parlier, CA
Supervising PIs: Drs. Lauren Hale and Suduan Gao

Next Applicant Review date: 9/7/2020

Requirements: U.S. citizen, PhD completed in time to join team by September 2020

Interested? Send C.V., cover letter or one-page summary of research interest, 1-3 representative publications, and names and contact info for 3 references to Lauren.Hale@usda.gov

Description

Postdoctoral Researcher to lead a project examining impacts of cover crops on soil microbial communities and greenhouse gas emissions in a table grape vineyard. Postdoc will also have the opportunity to contribute microbial analyses to parallel projects evaluating biochar, compost, deficit irrigation strategies, and soil health management practices in agronomic research plots.

Qualifications

Must have Ph.D. in microbial ecology, soil biology, microbe-plant interactions, or related field. Willingness to conduct field work (e.g. collecting soil samples, maintaining field equipment, collecting greenhouse gas measurements) is required and may involve regional travel.

Molecular laboratory experience (e.g. DNA extraction, PCR) and/ or work with soil biological tests (e.g. PLFA, enzymatic assays) is ideal.

Experience analyzing microbiome datasets is required.

Demonstrated experience synthesizing and writing manuscripts is expected.

Salary and Conditions

Full-time salary at \$64K/year plus benefits included. The position is for 2 years, with potential for extension, dependent upon performance and the availability of research funding.

More information about research from the Hale and Gao labs can be found at

<https://www.ars.usda.gov/pacific-west-area/parlier/sjvasc/wmr/people/lauren-hale/>

<https://www.ars.usda.gov/pacific-west-area/parlier/sjvasc/wmr/people/suduan-gao/>