

Agroecology Research

The Shennan Lab



General Information

- Agency Sponsor: Joji Muramoto, joji@ucsc.edu
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- Address: 1156 High St, Natural Sciences II, Room 424, Santa Cruz, CA 95064
- Website: <https://shennanlab.sites.ucsc.edu>
- # of Interns/ Hours Needed : 1-2 interns/6 or 12 hours per week
- Quarters Needed: Fall, Winter, Spring, Summer

Description of Internship

The Shennan Lab is based at the Department of Environmental Studies at the University of California, Santa Cruz. We work closely with the Center for Agroecology and Sustainable Food Systems (CASFS). In the Shennan Lab research group, we study agricultural sustainability using participatory approaches in the high input, capital-intensive vegetable/strawberry production in California. Sustainability issues in California include reliance on controversial toxic soil

fumigants and issues related to inefficient and overuse of inputs that result in non-point source pollution. Our work targets the development of alternatives to soil fumigants for soil-borne disease management, strategies for improved nutrient use and disease suppression in high-intensity organic strawberry/vegetable rotation systems and the potential for landscape diversification to enhance biological control of arthropod pests. Under supervision, interns will learn and experience scientific methods and research processes by working along with other undergraduate students for ongoing research projects.

For more information, visit our website at <https://shennanlab.sites.ucsc.edu/>