

## **What can first-year students expect in the Microbiology & Environmental Toxicology Graduate Program?**

Students are expected to take four courses within the department, one additional approved graduate-level course within or outside the department, and any additional courses determined by their first year advising committee. Students write a literature review of the current state of the field of their proposed dissertation research, under direction of the student's adviser. This written review will be submitted to the student's adviser no later than the first day of fall quarter of the students second year.

## **Do you have any diversity fellowships or other opportunities specific to your program?**

Our department can nominate students to the Cota Robles Fellowship upon admission to the program.

## **What salary (on top of tuition and fees) do first-year Graduate Student Researchers in your program earn?**

Our GSR's are paid at step 8, which is \$2,657.50 per month

## **When are graduate applications due for your program?**

December 1st.

## **Who can I contact for more information?**

Allyson Ramage, Department Manager  
(831) 459-4719, metxadmin@ucsc.edu



Department of Microbiology and Environmental Toxicology graduate student researchers working in a research lab in the Physical Sciences building at UCSC.

**Victoria Auerbuch Stone, Associate Professor** Interactions between bacterial pathogens and the innate immune system

**Manel Camps, Associate Professor** Protein evolution using DNA repair and antibiotic resistance models using a combination of molecular biology and computational approaches

**Karen Ottemann, Professor** How bacterial pathogens are able to chronically colonize mammalian hosts and cause disease outcomes such as inflammation and cancer

**Chad Saltikov, Professor** Microbial processes that influence the biotransformation of pollutants in the environment

**Donald R. Smith, Professor** Mechanisms underlying responses and adaptations of organisms to toxic metal exposures

**Fitnat Yildiz, Professor** Understanding processes controlling transmission of bacterial pathogens

*Affiliated Faculty Who Sponsor METX Students*

**Roberto Bogomolni** (Chemistry and Biochemistry) Biophysical chemistry, photobiology, light energy conversion and signal transduction in biological systems

**Adina Paytan, Research Scientist, Institute of Marine Sciences** Biogeochemistry, paleoceanography, environmental and aquatic chemistry

**Jonathan Zehr** (Ocean Sciences) Aquatic microbial ecology, biological oceanography

*Adjunct Professors*

**Myra Finkelstein** Human impacts to wildlife with an emphasis on contaminant-induced effects

**Ron Oremland** Microbial metabolism of reduced gases and of toxic elements

**Lynn Rothschild** Protists, cyanobacteria, astrobiology and synthetic biology

