

POSTDOCTORAL POSITION AVAILABLE

Postdoctoral Position in McFall-Ngai and Ruby laboratories, Kewalo Marine Laboratory & Pacific Biosciences Research Center, University of Hawaii at Manoa

Mentors: Margaret McFall-Ngai, Ned Ruby, Janna Nawroth

Collaborators: Eva Kanso, Scott Fraser - University of Southern California

A postdoctoral position is available at the Pacific Biosciences Research Center (PBRC) working at the interface of microbiome, biophysics, and molecular biology. Specifically, the project will investigate the role of ciliary actuation, sensing and signaling in the squid-vibrio symbiosis. The candidate will employ and develop a variety of biological imaging techniques and analysis tools and, in collaboration with the Kanso group at USC, perform computational modeling studies to unravel the biophysics of bacteria-cilia interactions. The project will be conducted at PBRC's Kewalo Marine Laboratory in Honolulu. A PhD degree required. Expertise in microbiology, molecular biology, biological imaging, signal processing, and/or biophysics desired. The candidate will work with biologists, physicists and mathematicians as a part of grant from the NSF INSPIRE Program, which seeks to promote interdisciplinary research. The candidate will be expected to work both independently and in a team, and to acquire new skills. Position available immediately. Applications should include a CV and statement of research and career interests. The materials can be sent to the mentors, McFall-Ngai (mcfallng@hawaii.edu), Ruby (eruby@hawaii.edu) and Nawroth (jnawroth@gmail.com).

Topics in bacteria-cilia interactions

