The School of Engineering at the University of California, Santa Cruz (UCSC) invites applications for the position of Assistant Project Scientist in Adaptive Optical Microscopy, under the direction of Prof. Joel Kubby, working in the Keck Center for Adaptive Optical Microscopy (http://cfaom.soe.ucsc.edu/). Applicants should be able to contribute to the application of adaptive optics in state-of-the-art biological imaging. Possible related areas of research might include neurobiology and developmental biology. The successful candidate will be expected to operate new optical imaging and optomechatronic systems. We have a preference for candidates with expertise in the use of various forms of biological microscopy (wide-field, confocal, two-photon, structured illumination), deep-tissue imaging, high-resolution imaging, and the correction and compensation of aberrations in imaging systems.

RANK: Assistant Project Scientist

SALARY: Minimum salary of $70,500, commensurate with qualifications and experience.

BASIC QUALIFICATIONS: A Ph.D in Biology. At least 4 years of post-doctoral experience in the application of advanced in-vivo biological light microscopy for neurobiology and/or developmental biology. Publication in high-impact refereed journals.

PREFERRED QUALIFICATIONS: Familiarity with the application of optical microscopy for biological imaging. Experience in the preparation of biological specimens for optical imaging including methods of tissue clearing.

Prior experience with:
• The candidate will need to demonstrate the ability to use wide-field, confocal and two-photon microscopy
• Experience working with live fly, worm, fish and mouse models
• Managing mouse colonies containing transgenic and inducible Cre-loxP reporter mice
• Working with viruses, DNA electroporation, and other fluorescent labeling techniques
• Using ultrasound guidance to perform in-utero microinjections and stereotaxic injection systems
• Working with Institutional Animal Care and Use Committee (IACUC) to develop new procedures and protocols

POSITION AVAILABLE: April 1st, 2015, or as soon as possible after closing date. Appointments are contingent upon availability of funding.

TERM OF APPOINTMENT: The initial appointment is for one year at 85% time, with the possibility of extension. Dependent upon the availability of funding, the percent time may increase up to 100% time. Should the hiring unit propose reappointment, a review to assess performance will be conducted. Reappointment is also contingent upon availability of funding.

TO APPLY: Applications are accepted via the UCSC Academic Recruit online system, and must include a letter of application, curriculum vitae, list of publications, and three letters of reference*. Documents/materials must be submitted as PDF files.

Apply at https://recruit.ucsc.edu/apply/JPFXXXXX
Refer to Position #JPF00XXX-YY in all correspondence.

*All letters will be treated as confidential per University of California policy and California state law. For any reference letter provided via a third party (i.e., dossier service, career center), direct the author to UCSC’s confidentiality statement at http://apo.ucsc.edu/confstm.htm.

CLOSING DATE: Review of applications will begin on June 15, 2014. To ensure full consideration, applications should be complete and letters of recommendation received by this date. The position will remain open until filled, but not later than June 30, 2015.

The University of California is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability, age, or protected veteran status. UC Santa Cruz is committed to excellence through diversity and strives to establish a climate that welcomes, celebrates, and promotes respect for the contributions of all students and employees.

Inquiries regarding the University’s equal employment opportunity policies may be directed to: Office for Diversity, Equity, and Inclusion at the University of California, Santa Cruz, CA 95064; (831) 459-2686. Under Federal law, the University of California may employ only individuals who are legally able to work in the United States as established by providing documents as specified in the Immigration Reform and Control Act of 1986. Certain UCSC positions funded by federal contracts or sub-contracts require the selected candidate to pass an E-Verify check. More information is available here or from the Academic Personnel Office (APO) at (831) 459-4300.

UCSC is a smoke & tobacco-free campus.

If you need accommodation due to a disability, please contact the Academic Personnel Office at apo@ucsc.edu (831) 459-4300.