

# UNIVERSITY OF CALIFORNIA, SANTA CRUZ

## Santa Cruz Institute for Particle Physics (SCIPP) Neurobiology

### POSTDOCTORAL SCIENTIST

The University of California, Santa Cruz invites applications for the position of Postdoctoral Scholar in the [Santa Cruz Institute for Particle Physics](#), under the direction of Assistant Professor Alexander Sher.

We are seeking to hire a scientist with experience in neurobiology research to play a central role in the research conducted within the Neuroproject group at the Santa Cruz Institute for Particle Physics (SCIPP). The project is concerned with exploring the central nervous system through large-scale multielectrode recording and stimulation of neural activity. For that purpose we use unique recording systems developed by the multidisciplinary collaboration led by SCIPP. The research is focused on the visual system, the retina in particular. The topics of investigation include: the functional organization of mammalian retina (multiple pathways represented by distinct retinal ganglion cell types), its development (role of molecular cues and activity in “wiring up” of the complex retinal circuitry), and amelioration of degenerative diseases leading to blindness (electrical retinal prosthesis).

**RANK & SALARY:** Postdoctoral Scientist; salary is commensurate with experience and qualifications, with annual range between \$38,496 – \$46,884.

**MINIMUM QUALIFICATIONS:** Ph.D. in biology or physics. Substantial experience in electrophysiology neuroscience research.

**PREFERRED QUALIFICATIONS:** (1) experience in electrophysiology (experience in multielectrode array in-vitro retinal recording is a plus); (2) substantial experience in the analysis of electrophysiological data; (3) high proficiency and experience in using at least one of the following programming languages: MatLab, Java, LabView. (4) demonstrated active and creative participation in research activities (5) ability to perform independent research and publish the results in peer-reviewed journals, and (6) leadership skills.

**POSITION AVAILABLE:** Current Opening

**TERM OF APPOINTMENT:** This is a one year appointment with the possibility of reappointment. Should the hiring unit propose reappointment, an annual review will be conducted. In addition, reappointment is contingent upon availability of funding.

**TO APPLY:** *Electronic submissions are preferred.* Please send *curriculum vitae*, a brief summary of research interests, and three letters of reference\* by email to [mykell@scipp.ucsc.edu](mailto:mykell@scipp.ucsc.edu), or send materials by post to:

Alexander Sher, Assistant Professor  
c/o Ms Mykell Discipulo  
SCIPP - Natural Sciences II  
University of California  
Santa Cruz, CA 95064

**Please refer to position #T12-16 in your reply**

\*All letters will be treated as confidential documents; please direct your references to UCSC’s confidentiality statement at [http://apo.ucsc.edu/academic\\_policies\\_and\\_procedures/cappm/confstm.htm](http://apo.ucsc.edu/academic_policies_and_procedures/cappm/confstm.htm)

**CLOSING DATE:** This position is open until filled. Initial review of applications will begin on October 31, 2011. For full consideration, materials should be received by that date.

*The University of California, Santa Cruz is an Affirmative Action/Equal Employment Opportunity Employer, committed to excellence through diversity. We strive 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 of Diversity, Equity, and Inclusion at the University of California, Santa Cruz, CA 95064; (831) 459-3676. 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 at (831) 459-5579.

If you need assistance due to a disability please contact the Academic Personnel Office at 499 Clark Kerr Hall (831) 459-5579. This position description is available in alternate formats, which may be requested from Academic Personnel at (831) 459-5579.