

Postdoctoral Scholar—Interdisciplinary Project
Departments of Psychological & Brain Sciences, Electrical & Computer Engineering, Statistics
& Applied Probability

The Janusonis Laboratory within the Department of Psychological & Brain Sciences, in conjunction with the Manjunath Vision Research Laboratory (Department of Electrical & Computer Engineering) and the Detering Laboratory (Department of Statistics & Applied Probability) at the University of California, Santa Barbara invites applications for an open, full-time Postdoctoral Scholar position.

This position will be part of a two-year NIH-funded interdisciplinary project that investigates the computational structure of the brain serotonergic matrix, a key component of neural processing. A major focus of the project is the self-organization of regional serotonergic fiber densities, based on the stochastic behavior of single fibers. The project combines experimentation and theory: theoretical analyses are built on high-resolution data obtained in animal models and human brain specimens (representing mental disorders).

The successful candidate will be hired by the Department of Psychological & Brain Sciences, but will interact with all Principal Investigators (Janusonis, Detering and Manjunath).

BASIC QUALIFICATIONS

Applicants must possess a Ph.D. (or equivalent) in Computational Neuroscience, Computer Engineering, Applied Mathematics, or an interdisciplinary field that bridges some of the three areas. Doctoral degree (or equivalent) must be conferred by the expected start date, October 1, 2018.

ADDITIONAL QUALIFICATIONS

Previous research experience in Computational Neuroscience, Computer Engineering, or Applied Mathematics, supported by a strong publication record, is required.

PREFERRED QUALIFICATIONS

A background in quantitative neuroscience, automated image analysis, or stochastic processes is preferred.

APPLICATION AND REVIEW PROCESS

To apply, please submit the following:

1. Cover letter
2. CV
3. Representative Set of Publications
4. Two Letters of Evaluation (to be submitted on your behalf)

For primary consideration, application materials must be submitted via UC Recruit by August 31, 2018 at: <https://recruit.ap.ucsb.edu/apply/JPF01289>

Questions may be directed to the Search Chair, Skirmantas Janusonis via email at janusonis@ucsb.edu.

The Psychological & Brain Sciences Department is especially interested in candidates who can contribute to the diversity and excellence of the academic community through research, teaching, and service as appropriate to the position.

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, sexual orientation, gender identity, national origin, disability status, protected veteran status, or any other characteristic protected by law.