

Postdoctoral Research Opportunity at the University of California, Berkeley

We are looking for a capable and innovative postdoc to be part of a team in Austin Roorda's lab at UC Berkeley to develop and use advanced scanning laser ophthalmoscopy and optical-coherence-gated imaging systems with adaptive optics and high speed eye tracking. We have two NIH-funded projects: one involves the development and use of a system for advanced vision testing (eg. single-cone psychophysics) and the second involves the development a novel system for optically recording from individual retinal neurons in vivo.

We are pioneers in the development and use of advanced optical systems for imaging the retina and measuring visual function on a cellular scale. The systems are used for a wide range of applications, from monitoring the efficacy of treatments to slow eye disease to elucidating the circuits in the retina that underlie human spatial and color vision. For more details on Austin Roorda's lab, link to <http://roorda.vision.berkeley.edu>

Required Qualifications

- Minimum of a PhD degree
- Demonstrated experience with complete systems, including optics, electronics, hardware and software

Preferred Qualifications

- Programming skills, especially FPGA programming
- Experience with OCT systems, especially phase-resolved
- Experience with adaptive optics, eye tracking, ophthalmic imaging and scanning laser imaging systems
- Scientific and/or technical publication record
- Effective written and verbal communication skills

Why Berkeley?

The Vision Science Group at Berkeley (<http://vision.berkeley.edu/>) is a group of over 40 PhD students, 20 postdocs, and over 30 faculty in a wide range of disciplines spanning the entire campus. The University of California, Berkeley (<http://www.berkeley.edu/>) is one of the world's most iconic teaching and research institutions. Since 1868, Berkeley has fueled a perpetual renaissance, generating unparalleled intellectual, economic and social value in California, the United States and the world. Berkeley's culture of openness, freedom and acceptance—academic and artistic, political and cultural—make it a very special place for students, faculty and staff.

Salary & Benefits

Salary is commensurate with experience.

Health, dental and vision care benefits are offered as per guidelines listed here: <http://postdoc.berkeley.edu/health-welfare-benefits>

How to Apply

Please submit a cover letter, a full CV, and names and contact information for at least three possible reference letter writers to Peter Illes

(email: peter.illes@berkeley.edu).

and Austin Roorda (aroorda@berkeley.edu). Inquiries about the position can be made directly to Austin Roorda (email: aroorda@berkeley.edu)

Equal Employment Opportunity

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, or protected veteran status. For the complete University of California nondiscrimination and affirmative action policy see:

<http://policy.ucop.edu/doc/4000376/NondiscrimAffirmAct>

If you'd like more information about your EEO rights as an applicant under the law, please see:

http://www1.eeoc.gov/employers/upload/eeoc_self_print_poster.pdf