University of Rochester

STRONG MEMORIAL HOSPITAL SCHOOL
OF MEDICINE AND DENTISTRY
SCHOOL OF NURSING

THE DEL MONTE INSTITUTE FOR NEUROSCIENCE
DEPARTMENT OF NEUROSCIENCE

POSTDOCTORAL SCHOLAR IN NEURON-GLIA COMMUNICATION
University of Rochester Medical Center | Rochester, NY

The Mendes Lab in the Department of Neuroscience at the University of Rochester Medical Center invites applications for 1-2 fully funded postdoctoral scholar positions supported by HHMI Hanna Gray Funding.

Our lab investigates how neurons and glia cells communicate to regulate neural circuit function, with a focus on visual cortical plasticity, learning, and behavior. We are particularly interested in understanding how these interactions change across brains states and how their disruption contributes to neurodegenerative disease, including Alzheimer's disease. Our research combines mouse behavioral assays with *in vivo* imaging, immunofluorescence microscopy, chemogenetics, optogenetics and neuropharmacology.

Required Qualifications:

- Ph.D. in neuroscience or a related discipline
- Experience with behavioral training and analysis
- Excellent communication and interpersonal skills

Other Desired Qualifications:
Highly competitive applicants will have experience in one or more of the following:

- Animal handling and surgeries
- Programming in MATLAB or python
- Hands-on experience with *in vivo* imaging, preferably two photon microscopy
- Familiarity with DeepLabCut or comparable behavioral tracking and pose-estimation tools
- Experience with *in vivo* electrophysiology or other forms of recording neural activity

Candidates with expertise in neuroscience, computational neuroscience, engineering, or related disciplines are encouraged to apply. We welcome independent thinkers who are excited to develop new experimental approaches, contribute intellectually to ongoing research and help advance a vibrant and supportive laboratory community.

Institutional Environment:
The Mendes lab is a member of the Del Monte Neuroscience institute at the University of Rochester. The Neuroscience program includes more than 60 basic neuroscience labs as well as active graduate student and postdoctoral programs. As a community, the University of Rochester is defined by a deep commitment to Meliora - Ever Better. Embedded in that ideal are the values we share equity, leadership, integrity, openness, respect, and accountability. Together, we will set the highest standards for how we treat each other to ensure our community is welcoming to all and is a place where all can thrive.

Applications Instructions:
Applicants should submit the following materials to mendes.lab1@gmail.com with the subject line "Postdoc Application."

- **Current CV,** including publications that are published, in press or available on preprint servers.
- **Cover letter** describing research interest, relevant experienced, and motivation for joining the lab.
- **Contact information for three references.**

Review of applications begins immediately and continues until the positions are filled.

The University of Rochester is committed to fostering, cultivating, and preserving an inclusive and welcoming culture to advance the University's Mission to Learn, Discover, Heal, create – and Make the World Ever Better. In support of our values and those of our society, the University is committed to not discriminating on the basis of age, color, disability, ethnicity, gender identity or expression, genetic information, marital status, military/veteran status, national origin, race, religion, creed, sex, sexual orientation, citizenship status, or any other characteristic protected by federal, state, or local law (Protected Characteristics). This commitment extends to non-discrimination in the administration of our policies, admissions, employment, access, and recruitment of candidates, for all persons consistent with our values and based on applicable law.