

Join the Yue Lab at UCSF!



Positions available: Postdoctoral Fellows

About Our Research:

- **Interest:** Explore interactions between neural tissues and bodily fluids near the brain's ventricles.
- **Approach:** Genetics, electrophysiology, imaging, and pharmacology in mouse models.
- **Goal:** Uncover how brain-fluid interfaces influence neurological health and disease.



PhD: Johns Hopkins, King-Wai Yau's Lab
Postdoc: UCSF, David Julius' Lab
Awards: Hanna H. Gray Fellowship (HHMI),
Croucher Foundation Postdoctoral Fellowship

Job Requirements

1. PhD in a related field.
2. At least one first-author publication during PhD.
3. Demonstrated passion and dedication to research.
4. Experience in brain slice electrophysiology, voltage or calcium imaging, or mouse disease models preferred.

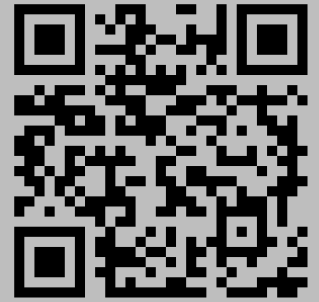
Apply with:

- A CV with contact info of at least 3 referees.
- A summary (≤ 2 pages) of your research interests and achievements.

WingSzeWendy.Yue@ucsf.edu

Applications are reviewed on a rolling basis. Selected candidates will be contacted for interviews.

Join the Yue Lab at UCSF!



About Our Research

The Lab of Dr. Wendy Yue is seeking postdoctoral fellows to join the newly established team at the University of California, San Francisco. Affiliated with the Department of Physiology and the Neuroscience Graduate Program, our research investigates the complex interactions between neural tissues and bodily fluids. We focus on the regions surrounding the brain's ventricles, where the unique absence of a typical blood-brain barrier facilitates direct chemical exchanges between the brain, bloodstream, and cerebrospinal fluid. Our objective is to understand how cells at these critical interfaces regulate signals like hormones and metabolites and to uncover their contribution to neurological disorders.

Our research goals include:

- Developing precise genetic and viral tools to target specific cell types in the areas around the brain's ventricles and central canal.
- Deciphering cellular and molecular pathways using advanced techniques in transcriptomics, electrophysiology, imaging, and pharmacology to understand their roles in physiology, pathology, and response to injury.

Dr. Wendy Yue completed her undergraduate studies in Biochemistry at the University of Hong Kong and pursued her PhD at Johns Hopkins University under Dr. King-Wai Yau, focusing on the biophysics of phototransduction, the initial step in vision. There, she explored how retinal photoreceptors regulate signal amplification and spontaneous activity to achieve high sensitivity and low biological noise. After her PhD, Dr. Yue joined Dr. David Julius's lab at UCSF to further investigate sensory signaling and its disease implications. She elucidated how drugs targeting the TRPV1 ion channel, involved in various pain conditions, affect body temperature, which aids in developing analgesics without thermoregulatory side effects. Additionally, she discovered an opioid signaling pathway that regulates scar formation after spinal cord injuries, providing a basis for new therapeutic strategies. Dr. Yue has received prestigious awards, including the Hanna H. Gray Fellowship from the Howard Hughes Medical Institute and a Postdoctoral Research Fellowship from the Croucher Foundation, recognizing both her research and community involvement.

Lab Homepage: <http://www.yue-lab.com>

Job Descriptions and Requirements

We invite applications from candidates who are passionate about neuroscience and have a background in relevant techniques.

Position Requirements:

- Fulfill the basic postdoctoral recruitment criteria set by UCSF.
- Possess a PhD in Physiology, Neuroscience, Cell Biology, Molecular Biology, Biochemistry, or a related field.
- Have notable scientific achievements during your PhD, evidenced by at least one first-author publication.
- Demonstrate a genuine passion and dedication to research, coupled with a readiness to tackle challenges.
- Priority will be given to candidates with experience in brain slice electrophysiology, voltage or calcium imaging, or mouse disease models.

Salary and Benefits:

- A competitive starting salary of \$66,000/year, which exceeds NIH standards, plus comprehensive health insurance.
- Access to state-of-the-art laboratory facilities and research platforms, managed and supported by professional staff.
- Opportunities to attend academic conferences, present your work and interact with the larger scientific community.
- Receive strong support in career development, including mentorship in applying for postdoctoral research fellowships and grants, along with guidance on various career opportunities.
- Eligibility for university-subsidized postdoctoral housing and visa application assistance through UCSF's Office for International Students and Scholars.

Application Process

Please submit your application to WIngSzeWendy.Yue@ucsf.edu and include:

- A CV in English, including the contact information of at least three referees.
- A brief summary (no more than two pages) of your research achievements and future interests.

Applications are reviewed on a rolling basis. Selected candidates will be contacted within a month for interviews.

About UCSF

The University of California, San Francisco (UCSF) is a cornerstone of medical and biological research, renowned for its commitment to health sciences. At UCSF, postdoctoral researchers access state-of-the-art facilities, receive mentorship from world-class scholars, and thrive in a collaborative environment intertwined with the vibrant biomedical community of the San Francisco Bay Area, including UC Berkeley and Stanford University. This setting not only fosters innovative research but also offers extensive professional development opportunities in academia and industry. With approximately 60% of its postdoc population being international, UCSF is dedicated to supporting its diverse community by providing substantial assistance with housing and visa services. Living in San Francisco, postdocs enjoy a culturally diverse, family-friendly city with a robust tech scene and stunning natural beauty, ensuring a rich and balanced life beyond work.

For more details, please visit:

- Lab Homepage: <http://www.yue-lab.com>
- UCSF Department of Physiology: <https://physiology.ucsf.edu/>
- UCSF Neuroscience Graduate Program: <https://neurograd.ucsf.edu/>
- UCSF Postdoctoral Office: <https://postdocs.ucsf.edu/>
- UCSF International Office: <https://isso.ucsf.edu/>
- UCSF Housing: <https://campusliveserviceshome.ucsf.edu/housing>

Join the Yue Lab at UCSF!



Positions available: Graduate Students

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We welcome students who:

1. Are passionate and highly motivated to advance research.
2. Are willing to engage in challenging interdisciplinary projects.
3. Value teamwork.
4. Embrace diversity, equity, and inclusion.

**Come to discuss
rotation
opportunities!**

WingSzeWendy.Yue@ucsf.edu

Rock Hall Room 218,
Mission Bay Campus