

**2024 J. William Kohl, M.D. Summer Scholarship for Medical Students**  
**Department of Ophthalmology & Vision Science**  
**University of California, Davis**

The Department of Ophthalmology & Vision Science at UC Davis is pleased to announce the J. William Kohl Summer Scholarship for medical students. This opportunity provides a stipend of \$2,500 for at least eight medical students undertaking mentored research in the vision sciences.

Associated with this program is the J. William Kohl, M.D. Research Travel Grant, which will consist of a \$1,200 stipend per student. The grant is intended to defray the cost of presenting your research at a national ophthalmology conference or meeting.

### **Eligibility Requirements**

- Currently enrolled in an accredited U.S. Medical School
- Interested in pursuing a career in ophthalmology
- Have a plan for a research project that has been approved/ agreed upon by UC Davis faculty member and will take place for 8-12 weeks during summer 2024.
- Students currently working on ongoing research with a UC Davis faculty member may apply for funding through the Kohl scholarship only if they are not receiving funding through other sources during the summer quarter

*Potential research projects are listed below. Applicants should directly contact a research mentor prior to submitting this application to discuss a potential project. Applicants may also propose their own project but must still have a mentor who is a UC Davis Dept of Ophthalmology faculty member.*

***Non-UC Davis medical students:*** *To participate in the Kohl Summer Scholarship program, medical students outside of UC Davis must coordinate with UC Davis staff to determine the manner in which scholarship funds may be received by you or your institution.*

### **Kohl Scholars Research Symposium**

In fall 2024, scholars will present their research at an evening research symposium at UC Davis Eye Center. Those students visiting from other institutions may present virtually.

### **Scholarship Application Timeline**

- Application deadline: March 1, 2024 at 11:59 PM PST
  - Submit all application items (see page 2) to [ucdkohlscholars@gmail.com](mailto:ucdkohlscholars@gmail.com)

**APPLICATION FOR 2024 J. WILLIAM KOHL, M.D.  
SUMMER RESEARCH SCHOLARSHIP**

Name:

School/institution:

Current year in medical school:

Describe your interest in ophthalmology and/or vision science research. What is your prior experience with research? If you have prior research experience, include a brief description of a prior project with which you were involved. (limit 500 words)

Please describe your proposed project, including:

- Proposed mentor
- The question(s) you seek to answer through your project
- Research hypothesis
- Proposed research methods

Have you been previously awarded the J. William Kohl, M.D. Summer Research Scholarship at UC Davis? (Y/N)

For rising third- and fourth-year medical students (academic year 2024-2025), will you be on a clinical clerkship during summer 2024? If so, how do you plan to incorporate performing research into your schedule?

Please also provide the following items:

- Current CV
- A copy of your medical student transcript
- One (1) letter of recommendation from previous research mentors or instructors/professors from your coursework
  - The letter of recommendation should be submitted directly to [ucdkohlscholars@gmail.com](mailto:ucdkohlscholars@gmail.com) from the letter writer

## RESEARCH OPPORTUNITIES FOR 2024 J. WILLIAM KOHL SUMMER RESEARCH SCHOLARSHIP

Below is a list of ophthalmology research projects proposed by UC Davis Dept of Ophthalmology clinical and basic science faculty. Please contact the faculty member directly to discuss a potential research project prior to submission of your application.

Tele-eye care: multilingual videos for early recognition of Alzheimers visual symptoms  
Mentor: Allison Liu, MD PhD ([aycliu@ucdavis.edu](mailto:aycliu@ucdavis.edu))

Eye and brain characteristics in geriatric macaques  
Mentors: Allison Liu, MD PhD ([aycliu@ucdavis.edu](mailto:aycliu@ucdavis.edu)) and Glenn Yiu, MD PhD ([gyiu@ucdavis.edu](mailto:gyiu@ucdavis.edu))

Impact of High-Fat, High-Sugar Diet on RNFL in geriatric rhesus macaque  
Mentor: Sara Thomasy, DVM PhD ([smthomasy@ucdavis.edu](mailto:smthomasy@ucdavis.edu))

Gut microbiome in a nonhuman primate model of age-related macular degeneration  
Mentor: Glenn Yiu, MD PhD ([gyiu@ucdavis.edu](mailto:gyiu@ucdavis.edu))

Suprachoroidal anatomy in aging and age-related macular degeneration  
Mentor: Glenn Yiu, MD PhD ([gyiu@ucdavis.edu](mailto:gyiu@ucdavis.edu))

Role of steroids in central serous chorioretinopathy  
Mentor: Glenn Yiu, MD PhD ([gyiu@ucdavis.edu](mailto:gyiu@ucdavis.edu))

In vivo imaging of microglial cells in retinal disease  
Mentor: Parisa Emami MD MPH([pemamin@ucdavis.edu](mailto:pemamin@ucdavis.edu))

Disparities in uveitis patient care  
Mentor: Parisa Emami MD MPH([pemamin@ucdavis.edu](mailto:pemamin@ucdavis.edu))

Utility of large language models in ophthalmology practice  
Mentor: Parisa Emami, MD MPH ([pemamin@ucdavis.edu](mailto:pemamin@ucdavis.edu))

Assessment of Ophthalmology Pre-Clerkship Curriculum in U.S. Medical Schools  
Mentor: Jeffrey Ma, MD ([jhbma@ucdavis.edu](mailto:jhbma@ucdavis.edu))

Factors impacting career decision of medical students pursuing ophthalmology  
Mentor: Glenn Yiu, MD PhD ([gyiu@ucdavis.edu](mailto:gyiu@ucdavis.edu))

Evolution of color vision in animals  
Mentor: Ivan Schwab, MD ([irschwab@ucdavis.edu](mailto:irschwab@ucdavis.edu))