

Core facilities of the Doheny Eye Institute are available to the fellows, including scanning transmission confocal microscopy, an excimer laser, a corneal facility testing center for evaluations such as orbscan, wavefront analysis, and world class vivarium.

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Doheny Eye Institute

**Fellowship in
Cornea, External
Diseases and
Refractive Surgery**

*Doheny
Eye Institute*

*University of
Southern California*

*LAC+USC
Medical Center*

The Doheny Eye Institute, established in 1947, is one of the most prestigious and rapidly growing eye centers in the West. As part of the University of Southern California Department of Ophthalmology, DEI has expanded its facilities to include comprehensive programs of research, physician education, and an outpatient clinic. Drawing on the large patient base at the Los Angeles County+USC Medical Center, fellows and residents are given the opportunity to study the entire spectrum of eye disease in an ideal clinical setting.

Numerous programs are currently underway in basic and clinical research, directed by a nationally and internationally known group of investigators, including ophthalmologists, cell biologists, and biochemists. In addition to the laboratory facilities, DEI has a dedicated ophthalmology library. We offer a full schedule of didactic lectures and continuing education seminars.

Outpatient care is offered through the expanding referral practice composed of the USC Ophthalmology Department's faculty members. A full array of diagnostic testing is available at DEI to patients referred by community ophthalmologists, including photography, electrophysiology, echography, pathology, microbiology, all forms of quantitative and qualitative visual field testing, and an eye movement evaluation laboratory. Fellows and residents are involved in this clinical care setting, and also provide care for the ophthalmology patients at the LAC+USC Medical Center.

The Doheny Eye Institute provides an ideal academic and clinical environment for post-residency training in various subspecialty areas. Each of these programs affords the fellows outstanding clinical experience with personalized instruction. Additionally, participation in the ongoing research projects and in instruction of residents provides the fellows with an excellent background for becoming tomorrow's academic ophthalmologists.

The University of Southern California and the Doheny Eye Institute are proud to offer post-residency fellowships in all of the major subspecialties of ophthalmology. The goal of these fellowships is to train ophthalmologists who are interested in pursuing a full-time career in academic and research medicine. All programs are designed to provide clinical and surgical training as well as the opportunity for investigative research. Each program is tailored according to the individual fellow's goals and interests.

Cornea External Disease, and Refractive Surgery Fellowship

Under the direction of Drs. John A. Irvine, Ronald E. Smith, David Huang, Jonathan Song, and Samuel Yiu, this program consists of a rigorous one or two-year study of all aspects of cornea and external disease, and refractive surgery. These physicians' interests cover a wide range of clinical problems and research studies, but they have a common interest in corneal transplantation, ocular surface disease, and refractive surgery.

At least 50 percent of the fellows' time will be spent assisting Drs. Irvine, Smith, Huang, Song and Yiu in the evaluation and management of patients with external and corneal disease who are referred by community ophthalmologists to the private Doheny Eye Clinic. Fellows assist on all corneal procedures and are involved with the postoperative disease management. The projected number of penetrating keratoplasty cases performed by Drs. Smith, Huang, Irvine, Song, and Yiu is well over 100, including cases at LAC+USC Medical Center. The fellows will also be involved with refractive surgery clinics and procedures with Drs. Song, Huang, Irvine, and Yiu. We have recently begun to perform Intacs, corneal limbal stem cell transplant, deep lamellar endothelial plasty and transplantation of amniotic membrane using tisseel glue. The fellow will be exposed to the evaluation and management of patients for Intacs.

Approximately 20 percent of the fellows' time will be devoted to clinical activities associated with the Cornea and External Disease Service at the LAC+USC Medical Center. Under staff direction, the fellows will be responsible for patients in the weekly Cornea and External Disease and Corneal Refractive Surgery Clinics. In addition, fellows serve as primary consultants and surgeons on penetrating keratoplasty cases referred by the Ophthalmology Resident Service and assist residents in corneal surgery. The projected number of cases is approximately 25, annually.