A new building rises from the ground—and hope rises with it. The UCSF Center for Vision at Mission Bay and increased research funding are bringing together an extraordinary team advancing sight for all.

Friends of That Man May See and the University of California, San Francisco, have raised nearly $170 million for the Future of Vision. That includes an investment of $45 million to fuel new knowledge and sight-saving discoveries in vision science.

Investing in Pioneers
Understanding the biology of the eye/brain circuitry is ground zero for halting blindness from retinal degenerations and related conditions.

Continued on page 2
Dear Friends,

These are exciting times for the Department of Ophthalmology and Francis I. Proctor Foundation. We look forward to collaborating even more closely in patient care, research, and education in our new UCSF Center for Vision, opening next year.

Our trainees come from around the world, as do our faculty. Your investments help us to attract the most talented clinicians and vision scientists, whose pioneering research and compassionate care change lives.

We are committed to our community, and we’d like to share with you stories about a new East Bay clinic in Berkeley, low-vision services on the Parnassus campus, and a homeless shelter partnership in San Francisco.

Your gifts allow us to expand, strengthening our capacity to save and restore sight, now and for future generations.

Sincerely,

Stephen D. McLeod, MD
Theresa M. and Wayne M. Caygill, MD, Distinguished Professor and Chair

In the past year, the Department of Ophthalmology has added four powerhouse laboratory researchers. Developmental neurobiologist Xin Duan, PhD, cellular biologist Aparna Lakkaraju, PhD, neurobiologist and bio-engineer Deepak Lamba, MBBS, PhD, and molecular biologist Maxence Nachury, PhD, expand the department’s expertise in cells and structures that contribute to the neural circuitry from the retina to the visual cortex.

Each of these pioneers leads many promising initiatives. Their work complements the department’s initiatives at the forefront of genetics, physiology, and biochemistry. Clinician researchers who provide specialized vision care also collaborate and propel new insights to stop vision loss.

“Every vision scientist has a distinct focus and skill set,” explains retinal physiologist Felice Dunn, PhD, who partners with Dr. Duan and glaucoma specialist Yvonne Ou, MD. “We leverage complementary strengths and diverse viewpoints to amplify discovery and innovation across all dimensions of the challenge.”

“We are in a very strong place,” says Department Chair Stephen D. McLeod, MD, “and we are grateful to donors whose support brought together this dream team.” Director of Research Doug Gould, PhD, agrees. “With the expertise of our new biologists, we’re working on more pieces of the eye/brain puzzle, including every layer of the retina. Novel strategies to overcome retinal sight loss are already emerging from these new labs.”

Stem Cells Advance Solutions

Thanks to pluripotent stem cell methods developed at UCSF, vision scientists now develop retinal cells in the laboratory. UCSF biologists test drugs on these experimental cells, identifying promising directions for treatment, including patient-specific drugs. They even grow retinal tissue from patients’ own skin cells, driving research on cell replacement therapies.

Target, Repair, Regrow, Replace

A tadpole can regrow a damaged tail, but retinal nerve cells never grow back. Knowledge emerging from eye/brain research will one day enable ophthalmologists to repair and/or transplant retinal cells and restore sight. Dr. Duan’s team aims to restore retinal function by reactivating, rewiring, and/or genetically regenerating specific types of retinal cells. Dr. Lamba’s team grows retinal micro-organs to explore conditions necessary for successful retinal transplants.
Solving the Puzzle of the Eye/Brain Circuitry

Vision begins when light hits the retina’s photoreceptors. Millions of retinal cells organized in multiple layers work together to transmit electrical signals through the optic nerve to the visual cortex.

Accelerating Discovery
High-resolution confocal microscopes provide the most detailed images ever seen of living human retinal tissue. Dr. Nachury’s team uses the technology to understand tiny cellular antennae called cilia. Genetic defects in the cilia contribute to retinal degeneration and a broad class of health disorders. His team investigates a precision-medicine strategy to treat an inherited syndromic retinal degeneration.

Dr. Lakkaraju’s team performs live imaging of healthy and diseased retinas to identify early triggers that drive vision loss in inherited and age-related macular degenerations.

Hope in Action
UCSF promotes cross-disciplinary collaboration, an approach that has changed the course of medicine. Vision scientists team up with diverse leaders across the Mission Bay research hub and around the world. Joint appointments to the UCSF Center for Regenerative Medicine, Department of Neurology, and Gladstone Institute of Neurological Disease strengthen key partnerships.

“New studies confirm that collaboration in basic science can lead to cures, drugs, and other medical breakthroughs,” says Dr. Gould. “We are leveraging this approach better than ever with a full complement of exceptional laboratory scientists.” Dr. McLeod concurs: “This team will make even greater strides in expanding knowledge of the visual system and solving some of the most intractable sight conditions.”

Laboratory research support is provided by the National Institutes of Health, Research to Prevent Blindness, and That Man May See.
A volunteer-run clinic helps shelter residents keep their sight.

“Whether crossing the street or trying to avoid trouble, poor vision intensifies the vulnerability of an already vulnerable population,” says ophthalmology resident Lauren Hennein, MD. When Dr. Hennein floated the idea for a shelter-based vision clinic two years ago, Alejandra de Alba Campomanes, MD, MPH, became an enthusiastic faculty sponsor. Dr. Hennein and medical student Ogonna Nnamani dug in to make it happen.

Training to Care

With The California Endowment’s $20,000 equipment gift to That Man May See, the monthly clinic opened in fall 2017. It joins other UCSF services at Division Circle Navigational Center, a shelter run by the St. Vincent de Paul Society in San Francisco’s South of Market area. The clinic has no paid staff. A handful of medical and premedical students are led by Dr. Hennein and Mrs. Nnamani. Volunteers provide care under the supervision of ophthalmology residents, fellows, and faculty. Project Homeless Connect pays to have glasses made. Students learn to do intake, collect histories, perform comprehensive exams, coach patients on their conditions, and document next steps.

Dr. de Alba is thrilled. “Providing care at the shelter allows us to serve those in the most unstable circumstances,” she says. “Aspiring doctors are learning the value of community service as well as patient care and the tools of ophthalmology.”

Connecting to County

The clinic is a bridge to sight-saving treatments at Zuckerberg San Francisco General Hospital and Trauma Center. Jay Stewart, MD, chief of ophthalmology there, saves appointments for patients referred from the shelter. “Those already experiencing sight loss are the most motivated to follow up,” says Dr. Stewart. “We want to make it easy.”

Momentum and Hope

“Even though we want to serve more people, our first goal is to make the clinic sustainable,” says Dr. Hennein. “Eventually, we’d like to open our doors twice each month.” Right now, leaders hope to acquire a portable slit lamp to provide more comprehensive services.

Volunteering at the clinic is extremely popular. “It is inspiring to see young students’ eagerness to learn and their enthusiastic commitment to help in such a respectful, compassionate way,” says Dr. de Alba. “It gives me so much hope.”

Thanks to The California Endowment, That Man May See, and Akorn Pharmaceuticals for donations; additional faculty sponsors Drs. Stewart and McLeod; premedical student clinic director Kiki Spaulding, Project Homeless Connect’s Alison Van Nort, MSW, and faculty and student volunteers.
Just two days after Joey Hsia, MD, prescribed new eye drops, 82-year-old Marcia Davison turned to a friend. “I have big news: I can read again.”

Double Teaming
Marcia had arrived at UCSF seeking help with complications from a previous glaucoma surgery. Her UCSF specialists have worked very closely with her for more than two years, sometimes meeting twice weekly to find solutions for her fragile sight.

“Ying Han, MD, and Dr. Hsia were right there with me,” she remembers. “They had major discussions about the unique factors in my case, and feel I have a relationship with them. They really went beyond my expectations.” Marcia’s husband Dick has done the driving since his wife’s glaucoma grew worse. In rush hour traffic, their return from San Francisco to Walnut Creek could take three hours.

East Bay Clinic Opens
The Davisons are thrilled that Dr. Hsia now can treat Marcia at a new site in southwest Berkeley. The John Muir Health and UCSF Health Berkeley Outpatient Center brings together primary and specialty care by UCSF ophthalmologists in collaboration with the UC Berkeley School of Optometry and John Muir Health physicians. The goal is to deliver high-quality comprehensive care for patients in the East Bay and beyond. “Dr. Hsia and Dr. Han are still my UCSF glaucoma specialists, and we’re making progress,” Marcia says. “It’s the same expertise, but closer to home. I am so pleased.”
Young Scientists Honored

Seventeen doctoral and postdoctoral fellows labor at the heart of UCSF Ophthalmology’s research enterprise.

Unseen by patients, these young laboratory scientists investigate the nature of sight and vision disorders, seeking breakthroughs toward ending blindness. Guided by faculty mentors, they develop original research, advance faculty investigations, and prepare to lead teams of their own.

Knights Templar Award
The Knights Templar Eye Foundation recently gave a prestigious national award and funding support to postdoctoral fellow Swanand Koli, PhD. His proposed research, under the guidance of faculty geneticist Saidas Nair, PhD, addresses the rampant rise in myopia (nearsightedness), a risk factor for several blinding diseases. Dr. Koli’s investigation into molecular mechanisms contributing to refractive development will help lay the groundwork for potential interventions to slow or halt myopia.

Research Day 2018
Fellows’ accomplishments were celebrated and shared on Research Day 2018. Awards for outstanding research papers and posters by residents or fellows in the ophthalmology department were determined by faculty panels. Vision scientists shared investigations to spark new learning, ideas, and connections. An outstanding keynote address, “Experiences in Translational Research for Inherited Blindness,” was provided by eminent translational vision scientist Jean Bennett, MD, PhD.

Swanand Koli, PhD, received recognition from the Knights Templar Eye Foundation for his study of genetic factors in the development of nearsightedness. Marty Cusing (left) and Gregg Hall presented the award.

For Huinan (Marcus) Li, PhD, the Best Poster distinction led to opportunities to present his research at key ophthalmology conferences. (Mentor: Erik Ullian, PhD)

Janette Tang, MD, took the honor for Best Clinical Research Poster for “High-resolution measures of disease progression over 36 months in patients with retinal degenerations.” (Mentor: Jacque Duncan, MD)

David Copenhagen, PhD (left), congratulated Ivan Anastassov, PhD, winner of the David and Joyce Copenhagen Award for the year’s best paper. Dr. Anastassov presented “Protein distribution and connectivity at the rod-rod bipolar cell synapse in the developing retina.” (Mentor: Felice Dunn, PhD)
Frank Brodie, MD, is developing technology to prevent vision loss in children with skull malformations.

During his resident pediatric rotation, Dr. Brodie met Micah and other toddlers who desperately needed nonstandard frames. Micah was born with an abnormal skull shape as well as severe vision and hearing loss. He needed frames that fit his head and around his bulky hearing aid.

Young children who don’t wear their corrective glasses frequently develop amblyopia, vision loss due to undeveloped eye-brain connections. Dr. Brodie realized that patient-specific designs could make a difference.

Dr. Brodie began working with Chief of Pediatric Ophthalmology Alejandra de Alba Campomanes, MD, MPH, on a program to create custom 3D-printed frames. They enlisted the radiology department to create 3D head models from patients’ existing CT scans.

The eyewear company JINS volunteered to design frames with adaptive features suited to each child’s unique anatomy. Using 3D printers, Drs. Brodie and de Alba were able to produce the frames, which fit standard lenses and are durable, comfortable, and colorful.

Building on Progress
The UCSF pilot program has been a tremendous success. The team is now working with software companies to simplify customization. A generous donation from Renee and William Rothmann helped to launch this innovative effort. “Their support to develop new technology will transform the lives of many more children in our community and around the world,” says Dr. Brodie.
Welcome New Faculty

Dr. Sydney Williams
brings 26 years of clinical and surgical experience in glaucoma to his appointment with the Department of Ophthalmology. He has long volunteered as a clinical professor for the department, mentoring residents at Zuckerberg San Francisco General Hospital and Trauma Center.

MD: Howard University
Residency: UCSF
Fellowship: Harvard University (Glaucoma)

Dr. Naielyn Rasool
holds joint appointments with the Department of Ophthalmology and the Department of Neurology. As Associate Director of the Neuro-ophthalmology Service, she provides patient care for children and adults. She is board certified by the Royal College of Physicians and Surgeons of Canada.

MD: University of British Columbia
Residencies: Dalhousie University (Adult Neurology), Columbia University (Ophthalmology)
Fellowship: Harvard Medical School (Neuro-ophthalmology)

You’ve served as a UCSF clinical professor since 1992. What was your role?
A. While I was in private practice, I volunteered once a month with residents and fellows at San Francisco General. I guided young doctors in the glaucoma clinic and with surgery.

Dr. Nailyn Rasool holds joint appointments with the Department of Ophthalmology and the Department of Neurology. As Associate Director of the Neuro-ophthalmology Service, she provides patient care for children and adults. She is board certified by the Royal College of Physicians and Surgeons of Canada.

MD: University of British Columbia
Residencies: Dalhousie University (Adult Neurology), Columbia University (Ophthalmology)
Fellowship: Harvard Medical School (Neuro-ophthalmology)

What attracted you to neuro-ophthalmology?
A. I love the ability to gain insight into the brain and neuro-axis through visual manifestations. Many neuro-ophthalmic conditions are systemic diseases affecting many organ systems. The ability to help diagnose and treat these conditions earlier helps prevent further damage and thus provides these patients a greater quality of life.

Before starting at UCSF, you set out for East Africa and Central Asia?
A. Yes, I worked with physicians in both Pakistan and Kenya, helping to strengthen their diagnostic and management approaches for complex neuro-ophtalmic conditions. I also assisted in developing outreach care to more marginalized populations.

What else do you hope to pass on to young clinicians?
A. Glaucoma is so far irreversible, so treatment is for life. It’s a serious responsibility. I also hope to transmit the understanding that caring for patients means you have to care about the patient. In medicine today, that basic fact can be forgotten or lost in the technology of medicine.

Your father was an ophthalmologist—did he influence your career path?
A. Yes! He loved ophthalmology and that was infectious, as though it were an illness that I did not know I had. I first wanted to practice primary care and did so with the National Health Service Corps. I learned a lot about caring for people there, but I found that I wanted to operate.

What innovations in glaucoma care are you looking forward to now?
A. I would like to see three things: 1) pharmacologic “armor” to protect the optic nerve, 2) a way to rebuild damaged optic nerves, and 3) a genetic test to predict the probability of severe glaucoma.

Winter 2019
Dr. Aparna Lakkaraju

joins the Department of Ophthalmology as a cell biologist. She investigates mechanisms driving vision loss in age-related macular degeneration (AMD) to identify solutions to preserve sight throughout the life span.

**PhD:** University of Minnesota  
**Postdoctoral fellowship:** Cornell University  
**Previous Position:** Associate Professor, Ophthalmology and Visual Sciences, University of Wisconsin, Madison

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**Why does your research team study the retinal pigment epithelium (RPE)?**

The RPE is critical for maintaining healthy vision, but little is known about how damage to this layer of the retina causes age-related macular degeneration (AMD). This lack of knowledge limits treatment. We investigate how early changes in metabolism and inflammation in this layer can impact retinal health and, consequently, vision.

**What are some of your team’s significant findings so far?**

My research team pinpointed how immune abnormalities in the retina can cause macular degeneration. We identified how the accumulation of fatty molecules advances the disease process. We could potentially target those molecules to treat AMD. We also found that an antidepressant drug protected the health of RPE in our lab models.

**What are you excited about now?**

With high-resolution microscopy, we can “see” into the living retina.

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Dr. Bryan J. Winn

is a specialist in oculoplastic, orbital, and reconstructive surgery. He joins the Department of Ophthalmology as the Service Chief for Ophthalmology at the San Francisco VA Medical Center. He investigates the roles of epigenetic factors (environmental factors that affect genetic activity) in orbital and periocular inflammatory diseases.

**MD:** Columbia University  
**Residency:** UCSF  
**Fellowship:** Seattle (Oculoplastics)  
**Previous Position:** Columbia University, Division Director of Oculoplastic and Orbital Surgery and Associate Designated Institutional Official for Graduate Medical Education at New York-Presbyterian Hospital

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**What interests you about returning to San Francisco?**

I’m pleased to reconnect with UCSF colleagues, and I’m launching a new clinic for patients with inflammatory orbital and periorbital diseases. Recent research suggests that the micro-organisms living in the intestines of these patients may affect their eye disorders. It’s an area ripe for exploration. I’m also excited to take advantage of the Bay Area’s outdoor life with my wife, Amanda, and kids, Jackson and Olivia.

**The Veterans Administration’s Whole Health initiative encourages clinicians to focus on veterans’ health needs in a global rather than specific disease-centric manner. How will you address this?**

My clinical approach as well as research interests focus on factors that modulate health and disease such as stress, sleep, diet, and exercise. I am interested in bridging silos between medical subspecialties to better understand patients’ eye diseases in the context of their overall health and well-being.

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**Why does your research team study the micro-organisms of the intestines shows promise for autoimmune disorders, including rheumatoid arthritis. How so?**

The environment interacts strongly with our tissues in the mucosal barriers, such as the lining of the mouth, intestines, and the surface of the eye. Populations of bacteria, viruses, and fungi that live in these micro-environments, especially the intestines, function abnormally in people with some autoimmune and inflammatory diseases. Mounting evidence suggests that correcting this can greatly decrease symptoms elsewhere in the body.

**How will you explore potential benefits for eye patients?**

First we will determine whether people with orbital and periocular inflammatory conditions have significantly distinct microbiome profiles. If we establish this, we can start conceptualizing novel therapies to treat or even prevent particular orbital disorders. Right now, we depend on medications to control inflammation, and their side effects often reduce patients’ quality of life.
Dr. Joey Yen-Cheng Hsia joins the Department of Ophthalmology after a UCSF fellowship year with five faculty glaucoma specialists. For his outstanding potential to contribute to the field of ophthalmology, Dr. Hsia was awarded one of 20 Heed Fellowships given nationwide last year. MD: Case Western Reserve University Fellowship: UCSF (Glaucoma)

Q What led you to specialize in glaucoma?
A As an undergraduate at UCLA, I took a part time work-study position at the eye institute, and the experience inspired me to pursue a career in medicine. I then chose to specialize in glaucoma because I can build life-long relationships with my patients, and its complexity of care and surgical management provides a challenge.

Q How did your UCSF fellowship shape you as a clinician scientist?
A My fellowship prepared me to confidently handle complex glaucoma cases. Exposure to the newest diagnostic and surgical techniques and technologies gives me many tools to provide the best care possible. The varied research interests of this outstanding faculty continually inspire me.

Q What research projects do you have in mind?
A I’m collaborating with scientists at the UC Berkeley School of Optometry to investigate a novel diagnostic device to improve earlier diagnosis and evaluate progression. I am also interested in optimizing safety and clinical outcomes for glaucoma surgeries.

Q You looked at how cataract surgery affects glaucoma. Are any insights emerging?
A Cataract surgery can lower intraocular pressure, which helps glaucoma patients. We identified key parameters that can predict lower eye pressure after cataract surgery for patients with primary open angle glaucoma, the most prevalent type of glaucoma in the United States.

Q What are some of your other interests?
A In my free time, I enjoy cooking, home improvement projects, traveling, SCUBA diving, and taking our chocolate Labrador for a hike.

Todd Driver, MD
Cornea
MD: UCSF
Internship: UCLA
Residency: UCLA
Birthplace: Denver

Michele Lee, MD
Cornea
MD: Columbia University
Internship: Mount Sinai West
Residency: Stanford University
Birthplace: Los Angeles

Athanasios Marneris, MD
Uveitis
MD: Midwestern University
Internship: University of Michigan Health
Birthplace: Chicago

Pern Sutra
International Uveitis Fellow
Medical Degree: Chulalongkorn University
Residency: Khon Kaen University
Position: Retina Specialist,
Khon Kaen University
Birthplace: Khon Kaen, Thailand

Edmund Tsui, MD
Uveitis
MD: Dartmouth University
Internship: Dartmouth College,
General Surgery
Residency: New York University
Birthplace: Toronto
Dr. Julius Oatts
joins the Department of Ophthalmology as a pediatric and strabismus specialist.

Master’s Degree: Yale University (Health Science)
MD: Yale University
Internship: Yale-New Haven Hospital
Fellowship: Boston Children’s Hospital, Harvard University (Pediatric Ophthalmology and Strabismus)

Welcome New Faculty

Q What was a highlight of your fellowship year in Boston?
A My mentors are highly regarded in the field and taught me not only pediatric ophthalmology but about mentorship itself, which will guide my own teaching. It was also interesting to work in such a large department, especially because the UCSF pediatric ophthalmology service is growing. It’s one of the department’s largest subspecialties.

Q Why did you choose pediatric ophthalmology?
A I’m really drawn to the “primary provider” model where I get to know patients and their families, sometimes over many years. I enjoy caring for the full range of their vision needs.

Q Do you plan further training?
A Together with Dr. Ying Han, I am developing the pediatric glaucoma service at UCSF. To gain a different view, I’ll also train with a leading specialist at Moorfields Eye Hospital in London.

Q What opportunities for research do you see?
A Many! I’m happy to be joining the NIH-funded Pediatric Eye Disease Investigator Group, which develops evidence-based best practices. For childhood glaucoma, Dr. Han and I are identifying areas for future investigation.

Q Having been a UCSF resident, what’s it like to return?
A I’m excited to be part of a growing and top-ranked ophthalmology department, where there’s good research and an emphasis on evidence-based medicine. I can hit the ground running because I’m familiar with this culture and system. At the same time, it feels good to bring perspectives from elsewhere that may benefit UCSF patients.

Q Outside of medicine, what are your interests?
A Not many people know I was a theater minor in college. I enjoy seeing shows, exploring the Bay Area outdoors, and staying active.

Department of Ophthalmology Clinical Fellows

Greg Bever, MD
Ocular Oncology
MD: Boston University
Residency: UCSF
Birthplace: Bay City, MI

Thomas Copperman, MD
Oculoplastics
MD: Wright State University
Residency: Boston University
Birthplace: Cleveland, OH

Crystal Le, MD
Glaucoma
MD: Tulane University
Internship and Residency:
Tulane University
Birthplace: New Orleans

Salman Rahman, MD
Ocular Oncology
MD: Baylor University
Internship:
University of Texas Medical Branch, Galveston
Birthplace: Augusta, GA
UCSF Vision Sciences Faculty

Stephen D. McLeod, MD
Distinguished Professor and Chair, Department of Ophthalmology

Thomas M. Lietman, MD
Distinguished Professor and Director, Francis I. Proctor Foundation for Research in Ophthalmology

Richard L. Abbott, MD
Cornea and External Disease

Nisha R. Acharya, MD, MS
Uveitis

Armin R. Afshar, MD, MBA
Ocular Oncology

Robert B. Bhisitkul, MD, PhD
Vitreoretinal Surgery

Michele M. Bloomer, MD
Pathology

Matilda F. Chan, MD, PhD
Cornea and External Disease

Bruce Conklin, MD
Genetic Disease, Genome Engineering

David R. Copenhagen, PhD
Neurobiology of Retina and Eye Development

Emmett T. Cunningham Jr., MD, PhD, MPH
Uveitis

Alejandra de Alba Campomanes, MD, MPH
Pediatric Ophthalmology and Adult Strabismus

Eugene de Juan Jr., MD
Vitreoretinal Surgery

Thuy Doan, MD, PhD
Uveitis

Xin Duan, PhD
Developmental Neurobiology

Jacque L. Duncan, MD
Medical Retina, Electrophysiology, and Imaging

Felice A. Dunn, PhD
Retinal Physiology

John A. Gonzales, MD
Uveitis and Medical Cornea

Douglas B. Gould, PhD
Director of Research

Ari J. Green, MD
Neuro-ophthalmology

Ying Han, MD, PhD
Glaucoma

Jonathan C. Horton, MD, PhD
Neuro-ophthalmology and Pediatric Ophthalmology

Joey Yen-Cheng Hsia, MD
Glaucoma

David G. Hwang, MD, FACS
Cornea, External Disease, and Refractive Surgery

Jeanette Hyer, PhD
Eye Development and Anterior Segment

Maanasa Indaram, MD
Pediatric Ophthalmology and Adult Strabismus

Jeremy D. Keenan, MD, MPH
Cornea and External Disease

Robert C. Kersten, MD, FACS
Oculoplastic, Reconstructive, and Orbital Surgery

Aparna Lakkaraju, PhD
Cellular Biology

Deepak Lamba, MD, PhD
Neurobiology and Bio-engineering

Thomas M. Lietman, MD
Cornea, External Disease, and Epidemiology

Stephen D. McLeod, MD
Cornea, External Disease, and Refractive Surgery

Anthony T. Moore, MD, FMedSci
Pediatric Ophthalmology and Adult Strabismus

Maxence Nachury, PhD
Molecular Biology

Saidas Nair, PhD
Glaucoma and Myopia

Ayman Naseri, MD
Cataract, Cornea, and External Disease

Melissa Neuwelt, MD, PhD
Vitreoretinal Surgery

Julius Oatts, MD
Pediatric Ophthalmology

Catherine E. Oldenburg, PhD, MPH
Epidemiology

Yvonne Ou, MD
Glaucoma

Sriranjani Padmanabhan, MD
Glaucoma

Neeti Parikh, MD
Comprehensive Ophthalmology

Travis C. Porco, PhD, MPH
Epidemiology

Saras Ramanathan, MD
Comprehensive Ophthalmology

Nailyn Rasool, MD
Neuro-ophthalmology

Daniel M. Schwartz, MD
Vitreoretinal Surgery

Julie Schallhorn, MD, MS
Cornea, External Disease, and Refractive Surgery

Gerami D. Seitzman, MD
Cornea, External Disease, and Refractive Surgery

David W. Sretavan, MD, PhD
Neuroscience, Glaucoma, Nanotechnology, and Ophthalmic Devices

Jay M. Stewart, MD
Vitreoretinal Surgery

Erik M. Ullian, PhD
Visual System Development and Glaucoma

Reza Vaghefi, MD
Oculoplastic, Reconstructive, and Orbital Surgery

A. Sydney Williams, MD
Glaucoma

Bryan Winn, MD
Oculoplastic, Reconstructive, and Orbital Surgery

Faculty Emeritus and Recall

Brooks Crawford, MD
Allan J. Flach, MD, PharmD
Creig S. Hoyt, MD
Robert L. Stamper, MD

Faculty Emeriti

Bertil E. Damato, MD, PhD, FRCOphth
William F. Hoyt, MD
Alexander R. Irvine, MD
Jennifer H. LaVail, PhD
Matthew M. LaVail, PhD
Julie L. Schnapf, PhD
Stuart R. Seiff, MD
John A. Stanley, MD
John P. Whitcher, MD, MPH
Thomas John Bird served on That Man May See’s board for nearly a decade.

Tom Bird, his wife Janice, and sons Tom and Chris joined in making generous gifts to support excellence at UCSF Ophthalmology. The family had a special fondness for Creig Hoyt, MD, supporting his work and helping to establish an endowed chair in his honor.

Born in Ontario in 1953, Tom found professional success throughout his career. He came to San Francisco to work with Bank of America as it rolled out its first ATM network. Later he developed his own software company, Innovative Design Inc., which maximized the efficiency of mainframe computers at Fortune 500 companies.

In Memoriam

Make a tribute gift to honor loved ones’ birthdays, anniversaries, or memorials.

thatmanmaysee.org/donate

Recent Gifts for UCSF Ophthalmology

Thank you for generous gifts and new pledges for the UCSF Department of Ophthalmology and the Francis I. Proctor Foundation between June 14, 2018, and November 29, 2018. Gifts at every level make a difference.

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The Kimmball Foundation
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Robert Michelson
Anthony T. Moore, MA, FRCSC, FRCOphth, FRMedSci, and Julia Moore
Richard and Susan Olness
J. Michael Patterson
Barry Petersen
Kathleen L. Rydar
Daren Schroede
Timothy G. Sheehan
Scott and Jenny Sykes
Alan Vidinsky and Joanne Vidinsky

Thank you for generous gifts and new pledges for the UCSF Department of Ophthalmology and the Francis I. Proctor Foundation between June 14, 2018, and November 29, 2018. Gifts at every level make a difference.
Faculty News

Faculty Honors

2018 Excellence in Teaching Award, UCSF
Gerami Seitzman, MD
and Neeti Parikh, MD

Visionary Award, Glaucoma Research Foundation
Robert Stamper, MD

Honorary Life Fellowship and Medal, British and Ireland Pediatric Ophthalmology and Strabismus Association
Anthony Moore, MD, FMedSci

Stein Innovator Award, Research to Prevent Blindness
Maxence Nachury, PhD
Dr. Nachury’s team is investigating a precision-medicine strategy to treat Bardet-Biedl syndrome. This may represent a novel pathway for pharmacological intervention in a variety of retinal diseases.

Selected Publications

Department of Ophthalmology


Contact

HOW TO REACH US

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10 Koret Way, Room K-301
San Francisco, CA
94143-0730
ophthalmology.ucsf.edu

UCSF Francis I. Proctor Foundation
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Individualized surgery, including LASIK and PRK

2018 Excellence in Teaching Award, UCSF
Gerami Seitzman, MD
and Neeti Parikh, MD

Visionary Award, Glaucoma Research Foundation
Robert Stamper, MD

Honorary Life Fellowship and Medal, British and Ireland Pediatric Ophthalmology and Strabismus Association
Anthony Moore, MD, FMedSci

Trailblazer Award in Neuroscience, UCSF Weill Institutes for Neuroscience
Felice Dunn, PhD, and Xin Duan, PhD
This team is building precise genetic and large-scale imaging tools to understand the diversity of neuron types in the visual system. Their work has the potential to anchor new treatment strategies for ocular and neurological diseases.


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An A-Team of Researchers

Welcome New Faculty

Young Scientists Recognized

That Man May See Annual Report

Class of 2021

Meet the New Residents

1 Lauren Hennein, MD
   MD: UCSF
   Internship: Scripps Mercy Hospital, San Diego
   College: New York University (Economics)
   Birthplace: Silver Spring, MD

2 Murtaza Saifee, MD
   MD: Baylor University
   Internship: UCSF
   College: California Institute of Technology (Electrical Engineering)
   Birthplace: Los Angeles

3 Yingna Snowy Liu, MD
   MD: Harvard University
   Internship: Santa Clara Valley Medical Center
   College: Dartmouth College (Biology)
   Birthplace: Shanghai, China

4 Zeeshan Haq, MD
   MD: University of Chicago
   Internship: University of Chicago
   College: University of Wisconsin (Biochemistry)
   Birthplace: New York City

5 Abtin Shahalee, MD
   MD and College: Tehran University of Medical Sciences
   Internship: UCSF
   Birthplace: Tehran, Iran

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Thanks to your support and encouragement, we have accomplished a great deal this year:

Our faculty remains among the top ten in the country—your gifts help to ensure this stature.

The new building sets the stage for continual advancement. Endowing the faculty with invested funds is a high priority—ensuring that our vision care and research remain preeminent in the country and the world.

Thank you for joining us to provide hope that, one day, all may see.

With gratitude,

John de Benedetti
Chair, Board of Directors
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Thank you for generous gifts and new pledges for the UCSF Department of Ophthalmology and the Francis I. Proctor Foundation made during the past fiscal year, July 1, 2017, to June 30, 2018. Gifts at every level make a difference.

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<th>Direct to TMMS</th>
<th>Via Other UCSF Entities*</th>
<th>Total</th>
<th>%</th>
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<tbody>
<tr>
<td>Donations from Individuals, Including bequests and trusts</td>
<td>$1,497,162</td>
<td>$17,033,202</td>
<td>$18,530,364</td>
<td>36%</td>
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<td>Donations from Corporations and Foundations</td>
<td>$2,028,570</td>
<td>$31,410,000</td>
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<td>Earnings on Deposited Funds**</td>
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<td><strong>Total Revenue</strong></td>
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<td>100%</td>
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<tr>
<th>Application of Funds</th>
<th>Actual</th>
<th>%</th>
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<tr>
<td>Research, Education, Patient Care, and Community Services</td>
<td>$51,217,927</td>
<td>98%</td>
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<td>Fundraising</td>
<td>$482,187</td>
<td>1%</td>
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<tr>
<td>Management and Administration</td>
<td>$351,998</td>
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<tr>
<td><strong>Total Expenses</strong></td>
<td>$52,052,112</td>
<td>100%</td>
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</tbody>
</table>