

# EYE WITNESS

## Trainee Resilience: A Barometer for Departmental Success

- ▶ DEVELOPING RESILIENCE
- ▶ GENEROUS GIFT MAKES HISTORY
- ▶ INCREASING DIVERSITY  
IN OPHTHALMOLOGY
- ▶ **PLUS** RESEARCH, EVENTS,  
AND ALUMNI NEWS



**HARVARD**  
MEDICAL SCHOOL

DEPARTMENT OF  
Ophthalmology



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## Trainee Resilience: A Barometer for Departmental Success



### What Others Say About Play

“Human beings need pleasure the way they need vitamins.”

—Lionel Tiger,  
Canadian anthropologist

“Play is training for the unexpected.”

—Marc Bekoff,  
American biologist

“Almost all creativity involves purposeful play.”

—Abraham Maslow,  
American psychologist

For more quotes on play, visit [museumofplay.org](https://museumofplay.org).

Investing in resilience-promoting programs for trainees is a priority for our department. The wellness of our residents and fellows affects not only themselves and the people in their lives, but also our patients and the hospital community as a whole. Trainee resilience is key to enhancing patient care and ensuring we do not face a physician shortage in the future.

How do you increase trainee resilience? One way is to intentionally cultivate downtime and play. According to Stuart Brown, MD, founder of the National Institute for Play, these elements are critical for fostering people who can better handle stressful situations as well as increasing innovation. Dr. Brown agrees with Brian Sutton-Smith, considered one of the foremost scholars on play, who said, “The opposite of play is not work—the opposite of play is depression.”

“The opposite of play is not work—the opposite of play is depression.”

— Brian Sutton-Smith, renowned scholar of play

With this in mind, Alice Lorch, MD, MPH, Director of the Ophthalmology Residency Training Program, started a Resident Wellness Committee with faculty mentor Nicholas Butler, MD. This committee, which consists of two residents per year, selects one member to participate in the Partners Trainee Well Being Council. The council is part of the Partners-wide effort to address the causes of burnout, while also developing trainee-focused programs to support resilience and facilitate access to a variety of important resources.

I am proud of what our Resident Wellness Committee has achieved in its inaugural year. We completed an impressive renovation of the resident room, moving away from an office space with cubicles to an open, shared workspace that also functions for meetings and social gatherings. In the renovated space, we have hosted regular Resident Pop-Up Lounges, allowing residents to gather as a community over dinner. Additionally, we secured an annual wellness budget for the residents, who will use this money under the supervision of faculty mentors Drs. Butler and Lorch. Based on feedback regarding struggles with overnight hospital stays across our affiliates, we have secured call rooms in all training locations, ensuring our residents have places to stay on hospital overnights. Our Wellness Committee has also started sharing the large number of resources available to Partners employees with our residents, including round-the-clock access to counseling via the Trainee Assistance Program. Additionally through Partners, residents are now offered more vacation time, paid parental leave, and lower-cost health benefits such as health insurance. We feel that these changes are a great start at improving the everyday lives and wellness of our trainees.

I believe trainee wellness should be considered a barometer for departmental and institutional success. Prioritizing our trainees' well-being sets them up for prosperous and fulfilling careers and translates to better care for our patients.

A handwritten signature in blue ink that reads "Joan W. Miller".

Joan W. Miller, MD  
Chief and Chair

## Endowed Chair Honors for Three Faculty Members



Luk Vandenberghe, PhD

Endowed chairs enable senior clinicians and scientists to advance their academic research and teaching missions, and are instrumental in recruiting and retaining future leaders in our specialties. Thanks to the immense generosity of the Grousbeck, Kaneb, and Butler families, the department recently established three endowed chairs.

“We are forever grateful to these families for their generosity, leadership, and friendship,” said Joan W. Miller, MD, Chief and Chair. “These chairs not only strengthen the department for years to come, but also serve as a lasting tribute to the extraordinary legacies of these families.”

### The Grousbeck Family Chair in Gene Therapy

Wyc Grousbeck has supported retinal degeneration research in the United States since 1995. Wyc has had an important direct impact at Mass. Eye and Ear since becoming Chairman of the Board in 2010. He led the successful unification of Mass. Eye and Ear and Schepens Eye Research Institute and spearheaded negotiations to have Mass. Eye and Ear join Partners HealthCare as a tier-one institution.

In 2013, the Grousbeck family made a generous gift to establish the Grousbeck Gene Therapy Center, directed by Luk Vandenberghe, PhD, as well as The Grousbeck Family Chair in Gene Therapy. This year, Wyc and his wife, Emilia Fazzalari, celebrated Dr. Vandenberghe’s appointment as the Chair’s first incumbent.

### The Albert and Diane Kaneb Chair in Ophthalmology

Diane Kaneb is a long-standing volunteer leader, former Chairman of the Board, and generous philanthropic supporter with over three decades of service to Mass. Eye and Ear. She and her husband, Albert, have contributed generously to research efforts, including Mass. Eye and Ear’s Ocular Genomics Institute, the Simmons Lessell Fellowship in Neuro-Ophthalmology, and the research of Benjamin Bleier, MD, Co-Director of the Center for Thyroid Eye Disease and Orbital Surgery. The Kanebs have also provided Mass. Eye and Ear with substantial unrestricted gifts.

Their most recent gift to endow the Albert and Diane Kaneb Chair in Ophthalmology was instrumental in recruiting David S. Friedman, MD, PhD, MPH, from the Wilmer Eye Institute. Dr. Friedman is an internationally recognized expert in glaucoma who is involved in ophthalmology work in China, India, Thailand, and Bangladesh. In addition to being the first incumbent of the Albert and Diane Kaneb Chair in Ophthalmology, he is the Director of the Glaucoma Service at Mass. Eye and Ear.

### The Thomas Y. and Clara W. Butler Chair in Ophthalmology

In 2014, Clara W. Butler and The Butler Foundation became champions of the Mass. Eye and Ear Ocular Genomics Institute, led by Eric Pierce, MD, PhD. The Butlers’ philanthropy has supported patients who suffer from rare genetic disorders by subsidizing the costs of genetic screening tests that are not always covered by insurance. To date, approximately 100 children and families have received genetic screening thanks to them. Their generosity has also moved our research ahead faster by allowing the purchase of critical, state-of-the-art lab equipment.

When Clara needed cataract surgery, she was referred to Roberto Pineda II, MD, a member of the Cornea and Refractive Surgery Service. Clara was impressed with Dr. Pineda’s surgical skills and appreciated Dr. Pineda’s commitment to global eye care and surgical teaching, which paralleled the Butlers’ passion for international outreach. For more than two decades, Dr. Pineda has traveled to remote communities in Asia and Africa to train local physicians in surgical techniques of the cornea and anterior segment. Clara wanted to provide a gift to support and acknowledge her wonderful surgeon by establishing the Thomas Y. and Clara W. Butler Chair in Ophthalmology.



David S. Friedman, MD, PhD, MPH



Roberto Pineda II, MD



Frederick A. Jakobiec, MD, DSc



## Generous Gift Makes History

When Frederick A. Jakobiec, MD, DSc, considered his philanthropic giving, he looked across the academic landscape and determined that Harvard Ophthalmology is the country's strongest department and most committed to academic excellence.

His planned gift of \$4.5 million, by far the largest from a faculty member or other alumnus in Mass. Eye and Ear history, will support four named endowments. These endowments are key in ensuring that the department's commitment to excellence in ophthalmology continues into the future.

- ▶ Frederick and Thaddeus Jakobiec Chair in Ophthalmology
- ▶ Frederick A. Jakobiec Directorship of the David Glendenning Cogan Laboratory of Ophthalmic Pathology
- ▶ Frederick A. Jakobiec Visiting Professorship, Lectureship, and Medalist in Ophthalmic Diseases
- ▶ Frederick A. Jakobiec, MD, DSc, Resident and Fellow Education and Research Endowment

Dr. Jakobiec's planned gift of \$4.5 million, by far the largest from a faculty member or other alumnus in Mass. Eye and Ear history, will support four named endowments.

Dr. Jakobiec's gift will support people—from the most junior to the most senior, from residents and fellows to full professors. He hopes to inspire other faculty and alumni to support our academic mission with a gift to the department.

### An Illustrious Career

Dr. Jakobiec has made seminal contributions to the field as an accomplished and well-published pathologist. He spent the early part of his career in New York City, ultimately serving as Chief of Ophthalmology at the Manhattan Eye, Ear, and Throat Hospital from 1983 to 1989.

In 1989, Dr. Jakobiec was recruited to Boston to serve as Chief of Ophthalmology at Mass. Eye and Ear and Chair of Harvard Ophthalmology, which he held until 2002. During that time, he reinvigorated and grew the faculty, particularly increasing the number of women. He was also instrumental in bringing the Schepens Eye Research Institute into the Harvard family as a Harvard Medical School affiliate.

In 2007, Dr. Jakobiec rejoined the department as Director of the David G. Cogan Laboratory of Ophthalmic Pathology, where he resumed his prolific publication efforts and generous teaching of residents, fellows, and faculty. Dr. Jakobiec is very proud to have trained the department's next leader of eye pathology, Anna Stagner, MD, who will join Harvard Ophthalmology in 2020.

"This is a wonderful gift and legacy," said Joan W. Miller, MD, Chief and Chair. "And I could not be more grateful to Fred for his generosity and his leadership."



## Developing Resilience

Resilient people are able to adapt and “bounce back” when faced with challenges and stress. Fortunately, these skills can be developed. According to experts, people who handle unexpected and stressful situations well tend to have a few traits in common—they foster high-quality connections, practice self-care, and stay inspired.

### Fostering Faculty Resilience

Harvard Ophthalmology faculty recently gathered at the Providence Biltmore in Providence, Rhode Island, on April 5-6 for the Department’s Faculty Retreat (pictured). The two-day event featured time to connect with colleagues, including group meals, walks, and meditation.

The retreat also had breakout sessions designed to gather faculty input and actionable insight to improve the department. These sessions focused on improving the wellness, communication, and effectiveness of the department. Four wellness themes emerged:

- The need to build more community among faculty at all levels
- A desire to incorporate a wellness focus into the work culture
- The importance of further enhancing how residents and junior faculty are supported and mentored
- Requests for using technology to better manage email/digital communications



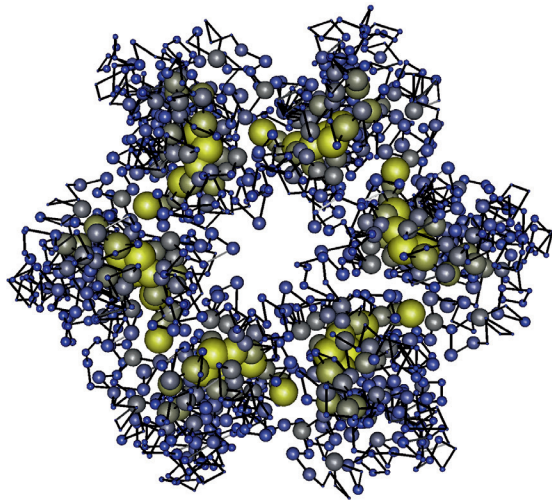
### Keynote Lecture on Building Resilience

John W. Denninger, MD, PhD, Director of Research at the Benson-Henry Institute for Mind Body Medicine, Massachusetts General Hospital, presented the Faculty Retreat keynote lecture on “The Power of the Mind-Body Connection.”

Dr. Denninger explained that 60-90% of all healthcare visits involve illnesses either caused, or exacerbated, by stress. Cardiovascular disease, in particular, is associated with chronic stress. One way to combat stress is through the relaxation response, a state elicited by many mind-body practices such as tai chi, yoga, and meditation. In addition to alleviating stress, meditation has many other benefits: improves attention, working memory, functional connectivity within the brain, and metacognitive awareness; slows brain aging; and regulates how key genes are turned on and off.

#### Three Mini Meditations

- 1** Count slowly from 10 to 0, one number for each exhale, and repeat
- 2** As you inhale, count slowly up to 4; as you exhale, count backward slowly from 4; repeat
- 3** Be mindful: pay attention to all the sounds around you and notice the sensations in your body

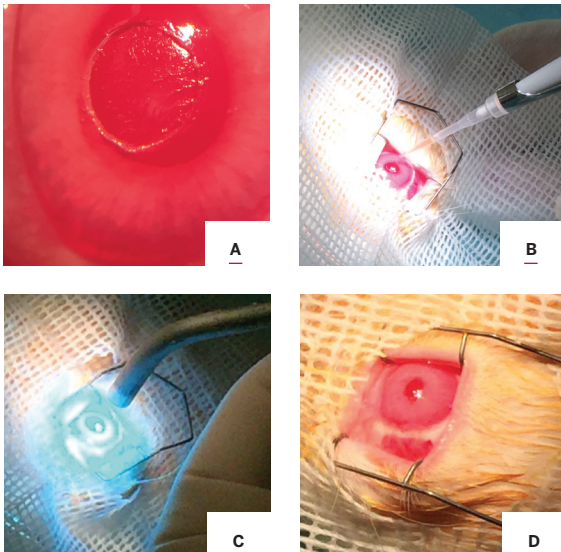


## ◀ Working Toward an HIV Vaccine

Described in a report published May 2019 in *Science*, amino acids critical to the ability of the HIV virus to function and replicate have been identified by investigators at the Ragon Institute of MGH, MIT, and Harvard. The research team—including co-first-authors Elizabeth Rossin, MD, PHD, of the Broad Institute and Mass. Eye and Ear, and Gaurav Gaiha, MD, DPhil, of the Ragon Institute and Mass General Hospital, as well as James Chodosh, MD, MPH, Mass. Eye and Ear—used structure-based network analysis to examine the structural bonds within and among the HIV proteins to identify critical amino acid residues. After confirming that mutations of the predicted critical amino acids impair HIV viral function, researchers determined that individuals naturally able to fight the HIV infection harbor CD8+ T cells that preferentially target these same amino acid residues. This important discovery could help guide development of vaccines to prevent and suppress HIV.

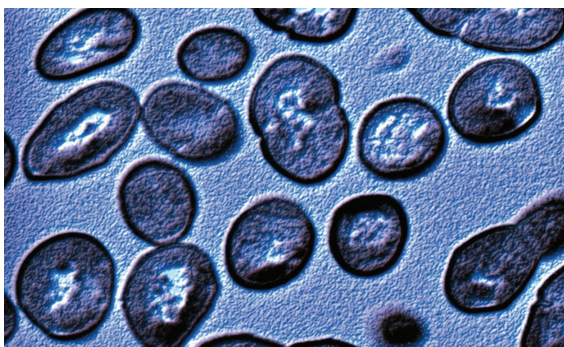
## ◀ Medical Technology for Corneal Repair Without Surgery

A clinical research team, led by co-corresponding author Reza Dana, MD, MSc, MPH, of Mass. Eye and Ear, has developed a biomaterial for corneal repair and regeneration that could replace corneal transplant surgeries. Described in *Science Advances* in March 2019, GelCORE is an adhesive gel packed with light-activated chemicals that can seal cuts or ulcers on the cornea and encourages the regeneration of corneal tissue. This technology could reduce the need for surgeries, both to repair corneal injuries and for corneal transplantation. After fixation, GelCORE is highly transparent, able to bond to the native tissue, and capable of supporting cell and tissue regeneration. The authors hope to begin clinical trials to test the technology in human patients in approximately one year.



## ◀ Using the Past to Treat Infections

A new understanding for how antibiotic-resistant bacteria learn to survive and repeatedly infect patients, described in the research article published April 2019 in *Science Translational Medicine*, was the result of a study led by Michael Gilmore, PhD, of Mass. Eye and Ear. Using functional genomics, the team compared DNA sequences of bacteria archived from the first sustained hospital outbreak of one common type of antibiotic-resistant infection, which occurred in the 1980s and resulted in over 50 infections in a four-year span. The researchers found repeated mutations allowing the microbe to reinforce its cell wall, to better withstand antibiotic pressure as well as patient immune defenses. These findings will enable the further development of novel therapeutics to both better treat and prevent these infections from occurring.



TOP: Multimeric representation of Gag p24 capsid protein. MIDDLE: *In vivo* application of GelCORE bioadhesives into corneal defects in rabbits. (A) Representative image of a 50% depth corneal stromal defect on rabbit eye. (B) *In situ* application of GelCORE prepolymer solution into corneal defect. (C) Photocrosslinking and (D) formation of a transparent GelCORE adhesive hydrogel on corneal stromal defect. BOTTOM: Transmission EM of the antibiotic-resistant *Enterococcus faecalis* that caused the outbreak.

## Education Leadership Transition



John Loewenstein, MD



James Chodosh, MD, MPH

As of July 1, 2019, James Chodosh, MD, MPH, David G. Cogan Professor of Ophthalmology in the Field of Cornea and External Diseases, Mass. Eye and Ear, assumed the role of Associate Chief and Vice Chair for Education at Mass. Eye and Ear/Harvard Ophthalmology. Dr. Chodosh is a committed teacher and mentor. His accomplishments of note include:

- Serving as Program Director for the Department of Ophthalmology at the University of Oklahoma Health Sciences Center (before joining Harvard Ophthalmology in 2008)
- Serving as Director of Mass. Eye and Ear's Cornea, External Disease, and Refractive Surgery Fellowship since 2009
- Mentoring 58 clinical cornea fellows, many of whom now hold academic positions
- Coaching 16 formal faculty mentees as a member of the Mentoring Oversight Board, and Director of Diversity and Inclusion for the Department of Ophthalmology
- Receiving four Gaylord Honor Awards for best teacher while at Oklahoma, and the Clinical Teacher of the Year award at Mass. Eye and Ear in 2014

Dr. Chodosh succeeds John Loewenstein, MD, who held both roles since 2008 when the positions were created. Dr. Loewenstein has made profound contributions to trainee education. His accomplishment of note include:

- Co-developing with Bonnie Henderson, MD, the cataract simulation technology known as the "Cataract Master," designed to improve how we teach cataract surgery
- Restructuring with Carolyn Kloek, MD, surgical teaching by introducing a stepwise teaching curriculum that has led to a steady increase in surgical volume for residents
- Working with Demetrios Vavvas, MD, PhD, to establish the first national vitrectomy course for first-year vitreoretinal fellows, which fills to capacity each year and is now in its 10th year
- Receiving numerous teaching awards, including the 1996, 2001, and 2015 Harvard Ophthalmology Teacher of the Year awards



Alice Lorch, MD, MPH

## Alice Lorch Takes on Key Leadership Role

As of January 2019, Alice Lorch, MD, MPH, has been promoted to Program Director of Harvard Ophthalmology Residency Training Program.

"Since graduating from our residency program in 2014, Dr. Lorch has risen rapidly to key leadership roles," said Joan W. Miller, MD, Chief and Chair. "We are very pleased to have her as the Director of our Residency Program and look forward to her continued innovations and leadership."

Dr. Lorch earned her medical degree from Harvard Medical School in 2010, and began her residency at Harvard Ophthalmology in 2011. In 2014, she served and excelled as Chief Resident and Director of the Eye Trauma Service at Harvard Ophthalmology/Mass. Eye and Ear. Afterward, Dr. Lorch joined the Comprehensive Ophthalmology and Cataract Consultation Service and served as Associate Director of the Ophthalmology Residency Training Program while completing an MPH in Clinical Effectiveness at the Harvard School of Public Health. She is also Chief Quality Officer for Ophthalmology at Mass. Eye and Ear.



## Increasing Diversity in Ophthalmology

Harvard Ophthalmology has been working hard to increase the representation of minority groups among trainees, faculty, and staff, in part through collaborations with the Office for Diversity Inclusion and Community Partnership at Harvard Medical School, Partners, American Academy of Ophthalmology (AAO), and Association of University Professors of Ophthalmology (AUPO). Considering the statistics of minority representation in ophthalmology, such as minorities accounting for 30.7% of the general population but only 6% of practicing ophthalmologists, 5.7% of ophthalmology faculty, and 7.7% of ophthalmology residents, it is hoped that these programs have the potential to significantly increase representation of minority groups in ophthalmology.

### A Step in the Right Direction

In 2018, department faculty participated in the annual Harvard Affiliated Residency Programs Showcase for third- and fourth-year underrepresented students in medicine from the New England region. This showcase provided underrepresented students with an opportunity to meet and network with various directors of Harvard-affiliated residency programs, attending physicians, fellows, and residents. Additionally, the department has been actively increasing presentations and discussion around diversity issues. Adrienne Scott, MD, of John Hopkins Wilmer Eye Institute, gave the Quality, Humanism, and Professionalism Grand Rounds talk on the disparities in medical education and minority populations, and medical student perceptions of careers in ophthalmology.

**30.7%** of minorities\* in U.S. population

**6%** percentage of minority practicing ophthalmologists

**5.7%** percentage of minority ophthalmology faculty

**7.7%** percentage of minority ophthalmology residents

\*black, Hispanic, American Indian, Alaskan Native, Native Hawaiian, Pacific Islander **Source:** Xierali IM, Nivet MA, Wilson MR. Current and future status of diversity in ophthalmologist workforce. *JAMA Ophthalmol.* 2016 Sep 1;134(9):1016-1023.

### Ophthalmology Champions

An integral part of increasing support for underrepresented minority students has been the work of James Chodosh, MD, MPH, Ophthalmology Champion at Harvard Ophthalmology for an initiative between AAO and AUPO—the AAO/AUPO Minority Ophthalmology Mentoring Program. One major goal of the program is identifying first- and second-year medical students, who may have an interest in ophthalmology, and providing them with mentors from the same or close underrepresented minority group. Dr. Chodosh collaborates with Alice Lorch, MD, MPH, Program Director of the Harvard Ophthalmology Residency Training Program, and Ankoor Shah, MD, PhD, Director of Medical Student Education at Harvard Medical School.

Dr. Chodosh explains, “In many medical schools, particularly those that have more underrepresented minorities, medical students don’t necessarily get a lot of exposure to ophthalmology, and often not until they’ve made their decision on residency. We’re trying to capture that interest and support it at an early enough phase in their medical school career so that they haven’t already committed to another medical specialty.”

A second goal is to help third- and fourth-year students who already know they want to study ophthalmology match in residencies and begin their careers. Overall, the program, now in its third year with an estimated 100 mentees, has been well supported and successful.

**Faculty interested in participating in the AAO/AUPO Minority Ophthalmology Mentoring Program, can learn more at** [aao.org/minority-mentoring-physicians](http://aao.org/minority-mentoring-physicians).

# A Warm Welcome to Our New Trainees

## 8 OPHTHALMOLOGY RESIDENTS JOIN HARVARD OPHTHALMOLOGY RESIDENCY TRAINING PROGRAM, CLASS OF 2022

Sila Bal, MD, MPH ▶ Perelman School of Medicine, University of Pennsylvania

Carolina Chiou, MD ▶ Harvard Medical School

Jacob Cox, MD ▶ Johns Hopkins University School of Medicine

Inês Lains, PhD, MD ▶ University of Coimbra Medical School

Neal Patel, MD ▶ Sidney Kimmel Medical College, Thomas Jefferson University

Nakul Singh, MD ▶ Case Western Reserve University School of Medicine

Karen Wai, MD ▶ Case Western Reserve University School of Medicine

Sarah Wang, MD ▶ Johns Hopkins University School of Medicine

## 1 OPTOMETRY RESIDENT JOINS MASS. EYE AND EAR RESIDENCY TRAINING PROGRAM, CLASS OF 2020

Haley DiBiase, OD ▶ New England College of Optometry

## 22 PURSUE SUBSPECIALTY TRAINING IN 14 AREAS

### Anterior Segment, Mass. Eye and Ear

Program Director: Kathryn Hatch, MD

**Amani Ahmed, MBBS**

### Cornea, External Disease, and Refractive Surgery, Mass. Eye and Ear

Program Directors: James Chodosh, MD, MPH, and Hajirah Saeed, MD

**Alireza Ghaffarieh, MD, and Grace Huang, MD**

### Glaucoma, Mass. Eye and Ear

Program Director: Lucy Shen, MD

**Nandita Anand, MD, and Ying (Jenny) Jiang, MD**

### Inherited Retinal Degenerations, Mass. Eye and Ear

Program Director: Rachel Huckfeldt, MD, PhD

**Kevin Ferenchak, MD**

### International Medical Retina, Mass. Eye and Ear

Program Director: Deeba Husain, MD

**Iris Deitch, MD**

### Medical Retina, Mass. Eye and Ear

Program Director: Deeba Husain, MD

**Deep Parikh, MD**

### Medical Retina, Beetham Eye Institute at Joslin Diabetes Center

Program Director: Lloyd Paul Aiello, MD, PhD

**Michael Gilbert, MD, and Abdulrahman Rageh, MD**

### Neuro-Ophthalmology, Mass. Eye and Ear

Program Director: Dean Cestari, MD

**Melanie Truong, DO, OD, and Aaron Winter, MD**

### Ocular Immunology and Uveitis, Mass. Eye and Ear

Program Directors: George Papaliodis, MD, and Lucia Sobrin, MD, MPH

**Lianna Valdes, MD**

### Ophthalmic Genetics, Boston Children's Hospital/Mass. Eye and Ear

Program Director: Anne Fulton, MD

**Mireille Jabroun, MD**

### Ophthalmic Pathology, Mass. Eye and Ear

Program Director: Frederick Jakobiec, MD, DSc

**Mehenz Hanbazazh, MD**

### Ophthalmic Plastic and Reconstructive Surgery (ASOPRS), Mass. Eye and Ear

Program Director: Michael Yoon, MD

**Victor Liou, MD**

### Pediatric Ophthalmology and Strabismus, Boston Children's Hospital/Mass. Eye and Ear

Program Director: Jason Mantagos, MD

**Abdelrahman Elhousseiny, MD; Ryan Gise, MD; and Christina Scelfo, MD**

### Vitreoretinal Surgery, Mass. Eye and Ear

Program Directors: Dean Elliott, MD, and John B. Miller, MD

**Mohammad Dahrouj, MD, PhD; Dan Gong, MD; and Elizabeth Rossin, MD, PhD**



Kimberley Chan, OD, and John Loewenstein, MD, at the Boston Harbor Hotel gala dinner

Zhengping Hu, PhD, presents her poster to Ula Jurkunas, MD

## Highlights From the 2019 Annual Meeting and Alumni Reunion

Harvard Ophthalmology hosted its Annual Meeting and Alumni Reunion on June 7-8. The CME-accredited event featured faculty and alumni lectures, award presentations, a poster contest, and opportunities for networking and connecting with friends and colleagues.

### Annual Meeting and Iraty Award

Co-chaired by Gena Heidary, MD, PhD, and Daniel R. Lefebvre, MD, the Annual Meeting featured faculty presentations on scientific and clinical topics. Jason Comander, MD, PhD, Associate Director of the Inherited Retinal Disorders Service, received the 2019 Iraty Award for Research in Retinal Diseases, which was established by an anonymous donor to honor the life and work of Charles Schepens, MD.

### Alumni Reunion and Presentations

Co-chaired by Joseph Rizzo III, MD, and Joseph Ciolino, MD, the Alumni Reunion featured presentations by alumni,

including Sharon Freedman, MD, who gave the Mariana D. Mead Lecture on “Childhood glaucoma: new weapons for an enduring foe”; Nancy J. Newman, MD, who presented the Distinguished Clinical Achievement Lecture on “Leber hereditary optic neuropathy: from bedside to bench to bedside”; and Elio Raviola, MD, who presented the Distinguished Research Achievement Lecture on “Two types of retinal amacrine cells presiding over radically different mechanisms in vision.”

### Trainee Poster Contest

Forty-five residents and fellows participated in the Annual Trainee Poster Contest, held at the Boston Harbor Hotel. Schepens Eye Research Institute of Mass. Eye and Ear research fellow Michelle LeBlanc, PhD, won first place in the basic and translational research category with her poster “Endomucin and galectin-3 modulate VEGFR2-mediated endothelial functions.” Edward “Ryan” Collantes, MD, a research fellow at Mass. Eye and Ear, won first place in the clinical research category with his poster “Development of a rapid and cost-effective CRISPR-based molecular detection platform for the detection of a novel myocilin mutation in rural Philippines.”

**SAVE THE DATE: AMAR 2020 IS JUNE 12-13**

## Looking Ahead: 2020 ARVO

**THE 2020 ANNUAL MEETING WILL BE HELD MAY 3-7 IN BALTIMORE.**

Lloyd Paul Aiello, MD, PhD, Professor of Ophthalmology and Director of the Beetham Eye Institute at Joslin Diabetes Center, will present the 2020 Friedenwald Award Lecture, and alumnus Paul Bernstein, MD, PhD, will present the Weisenfeld Award Lecture.

## Highlights From the 2019 ARVO Annual Meeting

More than 160 faculty and trainees participated in the Association for Research and Vision in Ophthalmology (ARVO) Annual Meeting, held April 28-May 2 in Vancouver, British Columbia.

Harvard Ophthalmology faculty Mary C. Whitman, MD, PhD, and Rosario Fernandez-Godino, PhD, MSc, both received awards for their research. Dr. Whitman was recognized with the ARVO/Alcon Early Career Clinician-Scientist Research Award and Dr. Fernandez-Godino received the Genentech Age-Related Macular Degeneration Research Fellowship award. Alumnus Donald Zack, MD, PhD, presented the Friedenwald Award Lecture.

Two Harvard Ophthalmology clinical research fellows were also recognized. Konstantina Sampani, MD, received ARVO's Science Communications Training Fellowship and Saghar Bagheri, MD, represented the department at the Members-in-Training Outstanding Poster Award Competition.



Vancouver Convention Centre

## Graduation: What's Next for the Class of 2019?

### HARVARD OPHTHALMOLOGY RESIDENTS

#### Grayson Armstrong, MD, MPH

Chief Resident and Director of the Eye Trauma Service for AY 2019-2020, Instructor in Ophthalmology, Mass. Eye and Ear/Harvard Medical School, Boston, MA

#### Liza Michelle Cohen, MD

Orbital and Ophthalmic Plastic Surgery Fellow (ASOPRS) UCLA/Jules Stein Eye Institute, Los Angeles, CA

#### Mohammad Dahrouj, MD, PhD

Vitreoretinal Surgery Fellow, Mass. Eye and Ear Boston, MA

#### Jose Daniel Diaz, MD

Vitreoretinal Surgery Fellow, Bascom Palmer Eye Institute, University of Miami Health System, Miami, FL

#### Karen Jeng-Miller, MD, MPH

Vitreoretinal Disease & Surgery Fellow, Tufts University School of Medicine/New England Eye Center Boston, MA

#### K. Matthew McKay, MD

Uveitis & Ocular Fellow, University of Washington, Department of Ophthalmology, Seattle, WA

#### Huy Vu Nguyen, MD

Vitreoretinal Surgery Fellow, Stanford Medicine, Ophthalmology, Palo Alto, CA

#### Yvonne Wang, MD

Cornea, Refractive and Anterior Segment Surgery Fellow, Baylor College of Medicine, Department of Ophthalmology, Houston, TX

### CHIEF RESIDENT AND DIRECTOR OF THE EYE

#### TRAUMA SERVICE AT MASS. EYE AND EAR/

#### HARVARD MEDICAL SCHOOL (AY 2018-2019)

#### Elizabeth Rossin, MD, PhD

Vitreoretinal Surgery Fellow, Mass. Eye and Ear, Boston, MA

### MASS. EYE AND EAR OPTOMETRY RESIDENT

#### Lenna Walker, OD, MS

Optometrist, Virginia Commonwealth University, Department of Ophthalmology, Richmond, VA

## Graduation continued

### CLINICAL FELLOWS

#### Anterior Segment, Mass. Eye and Ear Jennifer Yong, MD

Stahl Eye Associates,  
Manhattan and  
Long Island, NY

#### Cornea, External Diseases, and Refractive Surgery, Mass. Eye and Ear Shawn Lin, MD, MBA

Medical Director, Assistant  
Professor of Ophthalmology,  
University of California–  
Calabasas, Calabasas, CA

#### Kunal Merchant, MD

Eye Care Associates,  
Elmwood Park, NJ

**Yusra Siddiqui, MD**  
Assistant Professor of  
Ophthalmology, University  
of Texas Medical Branch,  
Galveston, TX

#### Glaucoma, Mass. Eye and Ear David Smits, MD

Private Practice,  
Cheyenne, WY

**Astrid Claire Werner, MD**  
Assistant Professor of  
Ophthalmology, Tufts  
University School of  
Medicine/New England  
Eye Center, Boston, MA

#### Inherited Retinal Degenerations, Mass. Eye and Ear

**David Andrew Terrell, MD, PhD**, Inherited Retinal  
Disorders, Part-time, Mass.  
Eye and Ear, Comprehensive  
Eye Care, D'Ambrosio Eye  
Care, Boston, MA

#### Neuro-Ophthalmology, Mass. Eye and Ear Tatiana Bakaeva, MD, PhD

Assistant Professor of  
Ophthalmology, Warren  
Alpert Medical School, Brown  
University, Providence, RI

**Ryan Gise, MD**  
Pediatric Ophthalmology  
and Adult Strabismus Fellow,  
Boston Children's Hospital/  
Harvard Medical School,  
Boston, MA

**Ocular Immunology and  
Uveitis, Mass. Eye and Ear  
Caroline Lee Minkus, MD**  
Uveitis Fellow, Feinberg School  
of Medicine, Northwestern  
University, Chicago, IL

**Ophthalmic Pathology,  
Mass. Eye and Ear  
Lina Ma, MD, MSc**  
Anatomic and Clinical  
Pathology Resident, Boston  
University School of  
Medicine, Boston, MA

**Ophthalmic Plastic and  
Reconstructive Surgery,  
Mass. Eye and Ear  
Larissa Ann Habib, MD**  
Assistant Professor of  
Ophthalmology, Yale School  
of Medicine, Ophthalmology  
& Visual Science,  
New Haven, CT

**Pediatric Medical Retina,  
Boston Children's Hospital  
Laura Bagdonaite Bejarano,  
MD**, Post-graduate plans  
undetermined

**Pediatric Ophthalmology  
and Adult Strabismus,  
Boston Children's Hospital/  
Mass. Eye and Ear  
Crystal Sin Yi Cheung,  
MD, FRCS**  
Instructor in Ophthalmology,  
Boston Children's Hospital/

Harvard Medical School,  
Boston, MA  
**Anna Gabriela Escuder, MD**  
Pediatric Ophthalmic  
Consultants, New York, NY  
**Eric Gaier, MD, PhD**  
Instructor in Ophthalmology,  
Boston Children's Hospital/  
Harvard Medical School,  
Boston, MA

**Vitreoretinal Surgery,  
Mass. Eye and Ear  
Kareem Moussa, MD**  
Uveitis Clinical Fellow,  
Francis I. Proctor Foundation  
University of California–  
San Francisco,  
San Francisco, CA  
**Marianeli Rodriguez,  
MD, PhD**, Vitreo-Retinal  
Associates–Worcester,  
Worcester, MA  
**James Stefater, MD, PhD**  
Vitreoretinal Surgeon, Eye  
Health Services,  
President, Pykus  
Therapeutics, Boston, MA

**Medical Retina,  
Mass. Eye and Ear  
Ravi Parikh, MD, MPH**  
Manhattan Retina and Eye  
Consultants, New York, NY

**Medical Retina, Beetham  
Eye Institute at Joslin  
Diabetes Center  
Omar Abdelal, MD**  
Vitreoretinal Fellowship,  
United Kingdom  
**Siamak Shokrollahi, MD**  
Post-graduate plans  
undetermined

### GRADUATION HONORS

**Simmons Lessell  
Excellence in Education  
Award  
John Loewenstein, MD**

**Clinical Teacher of the Year  
Jane Schweitzer, MD**  
Mass. Eye and Ear

**Surgical Teacher of the Year  
Silas Wang, MD**  
Mass. Eye and Ear

**Residency  
Appreciation Award  
Irene Icuspit-Lim, RN**  
Mass. Eye and Ear

**Clinical Fellow of the Year  
Kareem Moussa, MD**  
Mass. Eye and Ear

**Gragoudas Prize for Best  
Basic/Translational Retina  
Research Paper by a Mass.  
Eye and Ear Trainee  
Michelle LeBlanc, PhD**  
“Glycocalyx regulation of  
vascular endothelial growth  
factor receptor 2 activity”  
*The FASEB Journal*

**Gragoudas Prize for Clinical  
Retina Research Paper by a  
Mass. Eye and Ear Trainee  
Karen Jeng-Miller, MD, MPH**  
“Longitudinal examination  
of fellow-eye vascular  
anomalies in coats' disease  
with widefield fluorescein  
angiography: A multicenter  
study”  
*Ophthalmic Surgery,  
Lasers & Imaging Retina*

**Best Clinical Trainee  
Research Award in Cornea  
and Refractive Surgery  
Stephan Ong Tone, MD, PhD**  
“Regional variability in  
corneal endothelial cell  
density between guttae  
and non-guttae areas in  
Fuchs endothelial corneal  
dystrophy”  
*Canadian Journal of  
Ophthalmology*



David S. Friedman, MD, MPH, PhD

## David S. Friedman: New Director of the Glaucoma Service

Following a nationwide search, David S. Friedman, MD, MPH, PhD, joins Mass. Eye and Ear to lead efforts in glaucoma care. Dr. Friedman, an internationally recognized glaucoma specialist and vision researcher, is the Director of the Glaucoma Service and Medical Director of Clinical Research. He is also the first incumbent of the Albert and Diane Kaneb Chair in Ophthalmology at Mass. Eye and Ear, Co-Director of the Harvard Ophthalmology Glaucoma Center of Excellence, and a full-time member of the faculty of Harvard Ophthalmology.

“Dr. Friedman is a sought-after clinical glaucoma specialist, an international leader in research, and a gifted and generous teacher,” said Joan W. Miller, MD, Chief and Chair. “We are thrilled to have him help craft our vision and strategy to cure this blinding disease.”

Dr. Friedman has been selected by his peers as a “Best Doctor,” has a leadership role in the World Glaucoma Association, and was elected to the Glaucoma Research Society, which is limited to 100 glaucoma researchers worldwide.



Jeremy Wolfe, PhD

## Jeremy Wolfe Elected to American Academy of Arts and Sciences

Jeremy Wolfe, PhD, Professor of both Ophthalmology and Radiology at Harvard Medical School, and Director of the Visual Attention Lab at Brigham and Women's Hospital (BWH), has been elected as a member of the American Academy of Arts and Sciences.

Founded in 1780, the Academy honors exceptional scholars, leaders, artists, and innovators, engaging them in sharing knowledge and addressing challenges facing the world. The 214 new fellows and international honorary members are among the world's most accomplished scholars, scientists, writers, artists, and business and philanthropic leaders.

Dr. Wolfe's research at BWH's Visual Attention Lab focuses on visual search and visual attention. He investigates how people find what they are looking for and why they might fail to notice something that's right in front of their eyes. Dr. Wolfe's Guided Search model is one of the leading theoretical approaches to the study of visual search. He has a particular interest in socially important search tasks in areas like medical image perception (e.g., cancer screening), security (e.g., baggage screening), and intelligence.

## Elliott and Kempen Promoted to Professors of Ophthalmology



Dean Elliott, MD



John Kempen, MD, MPH, MHS, PhD

Dean Elliott, MD, has been promoted to Professor of Ophthalmology at Harvard Medical School. John Kempen, MD, MPH, MHS, PhD, has been promoted to Professor of Ophthalmology, Part-time at Harvard Medical School. These promotions highlight their impressive accomplishments and are the deserved next step in their distinguished careers.

Dr. Elliott is an accomplished and nationally renowned vitreoretinal surgeon who joined Harvard Ophthalmology in 2010. He is the Stelios Evangelos Gragoudas Professor of Ophthalmology and Co-Director of the Diabetic Eye Disease Center of Excellence at Harvard Medical School. At Mass. Eye and Ear, Dr. Elliott is the Director of the Retina Service and Director of the Vitreoretinal Fellowship.

Worldwide, Dr. Kempen is a leading expert in ocular inflammatory diseases and ophthalmic epidemiology. He is also engaged in international research in India and Ethiopia regarding ophthalmic epidemiology and trachoma. Dr. Kempen works for most of each year from his clinical and teaching base in Addis Ababa, Ethiopia. He has developed a program in international ophthalmology through a 501.c "Sight for Souls" program to train local clinicians to provide eye care and perform surgery, working with a local hospital. He joined Harvard Ophthalmology in 2017 and directs Epidemiology for Ophthalmology at Mass. Eye and Ear.

## Lucia Sobrin Receives Inaugural Mentoring Award



Patricia D'Amore, PhD, MBA, and Lucia Sobrin, MD, MPH

Lucia Sobrin, MD, MPH, Associate Professor of Ophthalmology at Harvard Medical School, a member of the Retina and Uveitis services, and Director of the Morse Laser Center at Mass. Eye and Ear, received the inaugural Harvard Ophthalmology Excellence in Mentoring Award in April.

The Harvard Ophthalmology Mentoring program was created in 2014 to help direct and support junior faculty members and create a culture of achievement. Selected by Harvard Ophthalmology's five-person Mentoring Oversight Board, Dr. Sobrin has provided support to medical students, residents, and fellows, working to ensure that they succeed and thrive within the department.

Dr. Sobrin completed a medical and surgical retina fellowship at Mass. Eye and Ear followed by a uveitis and ocular immunology fellowship with C. Stephen Foster, MD, at the Massachusetts Eye Research and Surgery Institution. In 2006, she became one of the department's first Harvard Vision Clinical Scientist Research Program (K12) recipients. In 2011, she was honored with the ARVO/Alcon Early Career Clinician Scientist Research Award. In 2015, she was honored with the Alcon Research Institute Young Investigator Award.

A clinician scientist, Dr. Sobrin is particularly interested in elucidating the genetics of diabetic retinopathy, and the association of low levels of vitamin D and noninfectious anterior uveitis.

## New Faculty

In August, **Joseph Griffith, MD**, joined Boston Children's Hospital. His clinical practice will include pediatric ophthalmology as well as retinopathy of prematurity. Dr. Griffith will serve as an Instructor in Ophthalmology at Harvard Medical School and take on a leadership role in patient safety initiatives at Boston Children's Hospital.

An alumnus of our residency program, **Benjamin Jastrzembki, MD**, joined Boston Children's Hospital in August. He has expertise in corneal neurotization, a rarely performed procedure that can restore sensation to an anesthetic cornea, preventing otherwise inevitable vision loss. He will also care for comprehensive pediatric ophthalmology patients, participating in our retinopathy of prematurity program. Dr. Jastrzembki will serve as an Instructor in Ophthalmology at Harvard Medical School.

Harvard Ophthalmology alumnus **Michael Lin, MD**, joined the Glaucoma Service at Mass. Eye and Ear, Malden, in August. In addition to his clinical responsibilities, his research focuses on diabetic macular edema and glaucoma. He is also interested in translational research that aims to improve patient care. A graduate of Harvard Medical School, Dr. Lin completed his residency at Harvard Ophthalmology, followed by a glaucoma fellowship at Wills Eye Hospital. Dr. Lin will serve as an Instructor in Ophthalmology at Harvard Medical School.

In September, **Brendan McCarthy, MD**, joined the Comprehensive Ophthalmology and Cataract Consultation Service at Mass. Eye and Ear, Longwood, as a full-time clinician. Dr. McCarthy, who joins the Department from Lahey Health and Tufts University School of Medicine, is a seasoned provider who brings patients from his former practice in Peabody. Dr. McCarthy will serve as an Assistant Professor of Ophthalmology at Harvard Medical School.

## Faculty Updates

### HMS APPOINTMENTS/PROMOTIONS

To Assistant Professor of Ophthalmology

- Paulo Bispo, PhD, Mass. Eye and Ear (research)
- Sheila Borboli-Gerogiannis, MD, Mass. Eye and Ear
- Emma Davies, MD, Mass. Eye and Ear
- Rachel Huckfeldt, MD, PhD, Mass. Eye and Ear
- Mary Whitman, MD, PhD, Boston Children's Hospital
- Jia Yin, MD, PhD, Mass. Eye and Ear

To Instructor in Ophthalmology

- Crystal Sin Yi Cheung, MD, Boston Children's Hospital
- Eric Gaier, MD, PhD, Boston Children's Hospital
- Emily Wiecek, OD, PhD, Boston Children's Hospital

### LEADERSHIP APPOINTMENTS/TRANSITIONS

**Han-Ying Peggy Chang, MD**, Mass. Eye and Ear, was named Clinical Director of Ophthalmology at Mass. Eye and Ear, Longwood.

**Dean Elliott, MD**, Mass. Eye and Ear, was appointed Director of the Retina Service at Mass. Eye and Ear.

**Evangelos Gragoudas, MD**, Mass. Eye and Ear, was appointed Distinguished Service Director of the Retina Service at Mass. Eye and Ear.

**Joan W. Miller, MD**, Mass. Eye and Ear, was appointed Ophthalmologist-in-Chief at Brigham and Women's Hospital

**Lucia Sobrin, MD, MPH**, was appointed Associate Chief of Clinical Data Science, Mass. Eye and Ear

### DEPARTURES

**Yoshihiro Yonekawa, MD**, left the Department in July to join Mid Atlantic Retina and Wills Eye Hospital, Thomas Jefferson University, in Philadelphia, PA. Dr. Yonekawa completed his residency at Harvard Ophthalmology in 2014 before joining the faculty in 2016. A specialist in adult and pediatric retina surgery, he served as Director of the Pediatric Surgical Retina Service at Boston Children's Hospital, and was a member of the Mass. Eye and Ear Retina Service.

### NEW MEMBERS/LEADERSHIP

American Medical Association Board of Trustees  
**Grayson Armstrong, MD, MPH**, Chief Resident, Mass. Eye and Ear

President of the New England Ophthalmological Society  
**Mary K. Daly, MD**, Chief of Ophthalmology at VA Boston Healthcare System

BCH Academy for Teaching/Educational Innovation Scholar  
**Gena Heidary, MD, PhD**, Boston Children's Hospital

American Ophthalmological Society  
**John Kempen, MD, MPH, MHS, PhD**, Mass. Eye and Ear

President of the Macula Society  
**Joan W. Miller, MD**, Mass. Eye and Ear

Board of Surgeons  
**George Papaliodis, MD**, Mass. Eye and Ear



## Awards and Grants

### FACULTY AWARDS

American Glaucoma Society  
Mentoring for Advancement of  
Physicians-Scientists Award (2019)  
**Nazlee Zebardast, MD, MSc**, Mass. Eye and Ear

Boston Children's Hospital Career  
Development Fellowship (2019)  
**Zhongjie (Kira) Fu, PhD**, Boston Children's Hospital

Boston Children's Hospital  
Faculty Innovated Research Award  
**Ankoor Shah, MD, PhD**,  
Boston Children's Hospital and Mass. Eye and Ear

Ellis Island Honors Society  
Ellis Island Medal of Honor (2019)  
**Reza Dana, MD, MSc, MPH**, Mass. Eye and Ear

Gliklich Healthcare Innovation Scholar  
**Nazlee Zebardast, MD, MSc**  
Mass. Eye and Ear

Harvard Medical School Office for Diversity  
Inclusion and Community Partnership  
Barbara J. McNeil Faculty Award for Exceptional  
Service to HMS/HSDM (2018)  
**Patricia D'Amore, PhD, MBA**, Mass. Eye and Ear

*The Ophthalmologist* 2019 Power List—  
Top 100 Most Influential People in Ophthalmology  
**Demetrios Vavvas, MD, PhD**, Mass. Eye and Ear

Regis College, Shining Example Award  
**Patricia D'Amore, PhD, MBA**, Mass. Eye and Ear

World Medical Innovation Forum  
Peter K. Ranney Innovation Award (2019)  
**Nazlee Zebardast, MD, MSc**  
Mass. Eye and Ear

### TRAINEE AWARDS

Boston Children's Hospital  
Career Development Fellowship (2019)  
**Eric Gaier, MD, PhD**, Pediatric Ophthalmology and  
Strabismus fellow, Boston Children's Hospital

Boston Children's Hospital Farley Award  
**Eric Gaier, MD, PhD**, Pediatric Ophthalmology and  
Strabismus fellow, Boston Children's Hospital

Boston Children's Hospital House Staff  
Development Award  
**Crystal Sin Yi Cheung, MD**  
Pediatric Ophthalmology and Strabismus fellow  
Boston Children's Hospital

Richard J. Simmons and Ruthanne B.  
Simmons Glaucoma Fellow (2018-2019)  
**David Smits, MD**, Glaucoma fellow  
Mass. Eye and Ear

Thomas J. Madden Fellowship in Retina (2019)  
**James Stefater, MD, PhD**  
Vitreoretinal fellow, Mass. Eye and Ear

### GRANTS

#### **Foundation Fighting Blindness**

\$750,000/5 years  
**Kinga Bujakowska, PhD**, Mass. Eye and Ear  
"Elusive IRD genes and mutations" in collaboration  
with Stephen Daiger, PhD; Radha Ayyagari, PhD;  
and David Gamm, MD, PhD

\$2,500,000/5 years  
**Eric Pierce, MD, PhD, Jason Comander, MD, PhD,**  
**Qin Liu, MD, PhD, Luk Vandenberghe, PhD**,  
Mass. Eye and Ear  
"Developing genetic therapies for inherited

retinal degenerations due to mutations in genes that are too large for standard gene therapy vectors”

#### **Gilbert Family Foundation**

\$983,206

**Michael Young, PhD**, Schepens Eye Research Institute of Mass. Eye and Ear  
“Stem Cell Derived RGCs: Improving the success of transplantation strategies”

#### **Myles & Gertrude Hanson Foundation**

\$50,000

**Lucia Ambrosio, MD, PhD**, Boston Children’s Hospital  
“New treatments for inherited retinal disorders (IRDs): first steps”

#### **National Eye Institute**

\$39,156

**James Akula, PhD**, Boston Children’s Hospital  
“Measurement of retinal nerves and blood vessels as markers for type I diabetes”

\$2,311,250

**Kip Connor, PhD**, Mass. Eye and Ear  
“Sex dependent regulation of retinal degeneration”

\$2,840,570

**Darlene Dartt, PhD**, Schepens Eye Research Institute of Mass. Eye and Ear  
“Conjunctival goblet cell mucin secretion in inflammation and its resolution”

\$469,375

**Lucia Sobrin, MD, MPH**, Mass. Eye and Ear  
“Identifying protective and risk factors for non-infectious uveitis”

\$1,039,728/5 years

**Mengyu Wang, PhD**, Schepens Eye Research

Institute of Mass. Eye and Ear

“Examining the 3D structure of the optic nerve head and its role in glaucoma”

#### **National Institutes of Health**

\$3.5 million/5 years

**Joseph Arboleda-Velasquez, MD, PhD**, Schepens Eye Research Institute of Mass. Eye and Ear  
“Charting vascular contributions to white matter disease in familial Alzheimer’s disease and CADASIL”

\$10,000/1 year

**David Hunter, MD, PhD**, Boston Children’s Hospital  
“Development of a headset that administers visual therapies while evaluating response to treatment through visual evoked potentials”

R01 Grant (\$1.3million/5 years)

**Leo Kim, MD, PhD**, Mass. Eye and Ear  
**Joseph Arboleda-Velasquez, MD, PhD**, Schepens Eye Research Institute of Mass. Eye and Ear  
“Role of Runx1 in pathologic ocular angiogenesis”

R01 Grant (\$1.3 million/5 years)

**Daniel Sun, PhD**, Mass. Eye and Ear  
“Protective function of STAT3-mediated astrocyte reactivity in experimental glaucoma: mechanism of action”

Harvard Vision Clinician Scientist Development Program (K12)

**Nazlee Zebardast, MD, MSc**, Mass. Eye and Ear

#### **Research to Prevent Blindness**

\$75,000

International Research Collaborators Award  
**Meredith Gregory-Ksander, PhD**, Schepens Eye Research Institute of Mass. Eye and Ear

\$300,000

William & Mary Greve Stein Innovation Award  
**Eric Pierce, MD, PhD**, Mass. Eye and Ear



## Upcoming Events

### Resident Lecture Series

**Fridays, 7:00–9:00am**

Sloane Teaching Room, Mass. Eye and Ear

### 18th Annual Frederick A. Jakobiec Lecture in Ophthalmology

**October 21, 2019**

**12:00-1:00pm/5:00-6:00pm**

Sloane Teaching Room, Mass. Eye and Ear

Hans E. Grossniklaus, MD, MBA

Emory Eye Center

### Joint Ophthalmology/Otolaryngology Grand Rounds: Quality, Humanism, and Professionalism Lecture Series

**October 24, 2019, 8:00-9:00am**

Meltzer Auditorium, Mass. Eye and Ear, simulcast to Joslin Diabetes Center and Mass. Eye and Ear, Longwood

Keith D. Carter, MD

University of Iowa Hospitals and Clinics

### New England Ophthalmological Society Meetings

**November 1, 2019**

Boston University George Sherman Union

775 Commonwealth Avenue

AM: Glaucoma/PM: Cataract

Annual Meeting For Ophthalmic Medical Personnel

### Inaugural C. Stephen and Frances Foster Lecture in Ocular Immunology

**November 4, 2019, 5:00–6:00pm**

Meltzer Auditorium, Mass. Eye and Ear

Esen K. Akpek, MD | Wilmer Eye Institute

### Cornea Center of Excellence Visiting Professor Lectures

**November 7, 2019, 4:00–6:30pm**

Meltzer Auditorium, Mass. Eye and Ear

Shahzad I. Mian, MD

Kellogg Eye Center University of Michigan

**December 5, 2019, 4:00–5:00pm**

2nd Floor Conference Room, Schepens Eye Research

Institute of Mass. Eye and Ear

Shukti Chakravarti, PhD

NYU Langone Health

**January 23, 2020, 4:00–6:30pm**

Meltzer Auditorium, Mass. Eye and Ear

Michael Zegans, MD

Dartmouth Hitchcock Medical Center

### Paul A. Chandler

#### Visiting Professorship

**December 13, 2019, 7:30am–5:30pm**

Meltzer Auditorium, Mass. Eye and Ear

Steven L. Galetta, MD | NYU Neurology Associates

## In Memoriam

**R. Rand Allingham, MD**, an alumnus and internationally recognized clinician scientist, passed away on August 27, 2018, at the age of 65. Dr. Allingham completed his fellowship in glaucoma at Mass. Eye and Ear and stayed on as faculty for several years. In 1993, he joined the faculty of the Department of Ophthalmology of Duke University School of Medicine. During more than 30 years as a physician and researcher, Dr. Allingham established himself as a leader in glaucoma research. He made pivotal contributions to understanding the basic causes for several types of glaucoma, notably the genetic underpinnings of pseudoexfoliation and a severe form of glaucoma that primarily affects individuals of African ancestry.

**Arnold Robert “Bob” Bellows, MD**, an alumnus and glaucoma specialist, passed on March 15, 2019, at the age of 81. After attending Boston University Medical School, spending two years in the US Air Force, completing an ophthalmology residency at Yale, and then working at a hospital in Haiti, Dr. Bellows settled back in Boston to complete a glaucoma fellowship at Mass. Eye and Ear. He then joined Ophthalmic Consultants of Boston, specializing in glaucoma and cataract surgery, where he remained for the rest of his career. During his long tenure as an ophthalmologist, Dr. Bellows published many scientific articles and was an active member and leader in national and international ophthalmologic organizations.

**Richard F. Brubaker, MD**, an alumnus and world leader in glaucoma research, passed away on October 23, 2018, at the age of 81. Dr. Brubaker graduated from Harvard Medical School in 1963 and completed his residency training at Harvard Ophthalmology in 1968. In 1970, he began what would become a distinguished 30-year career at Mayo Clinic in Rochester, NY. His research, focused on glaucoma, resulted in over 200 published research articles and a multitude of awards and grants recognizing his contribution to the field.

**John G. Sebestyen, MD**, an alumnus, passed away on November 13, 2018, at the age of 92. After surviving the labor camps during World War II, he simultaneously attended medical school and the music conservatory in Hungary. Fleeing the Hungarian Revolution, Dr. Sebestyen and his family settled in Boston in 1956, where he completed a residency at Harvard Ophthalmology. He joined, and eventually took over, an ophthalmic practice in Boston, was on staff as a comprehensive ophthalmologist at Beetham Eye Institute at Joslin Diabetes Center and Mass. Eye and Ear, and also served as a faculty member at Harvard Medical School.

## Four Alumni Featured on *The Ophthalmologist's* Power List

### MASS EYE AND EAR:

- Bonnie An Henderson, MD, Ophthalmic Consultants of Boston and Tufts University School of Medicine
- Philip J. Rosenfeld, MD, PhD, Bascom Palmer Eye Institute, University of Miami Health System
- Audrey R. Talley Rostov, MD, Northwest Eye Surgeons

### BEETHAM EYE INSTITUTE AT JOSLIN DIABETES CENTER:

- Dawn Sim, FRCOphth, PhD, Moorfields Eye Hospital

### *Eye Witness*

#### Issue #38, October 2019

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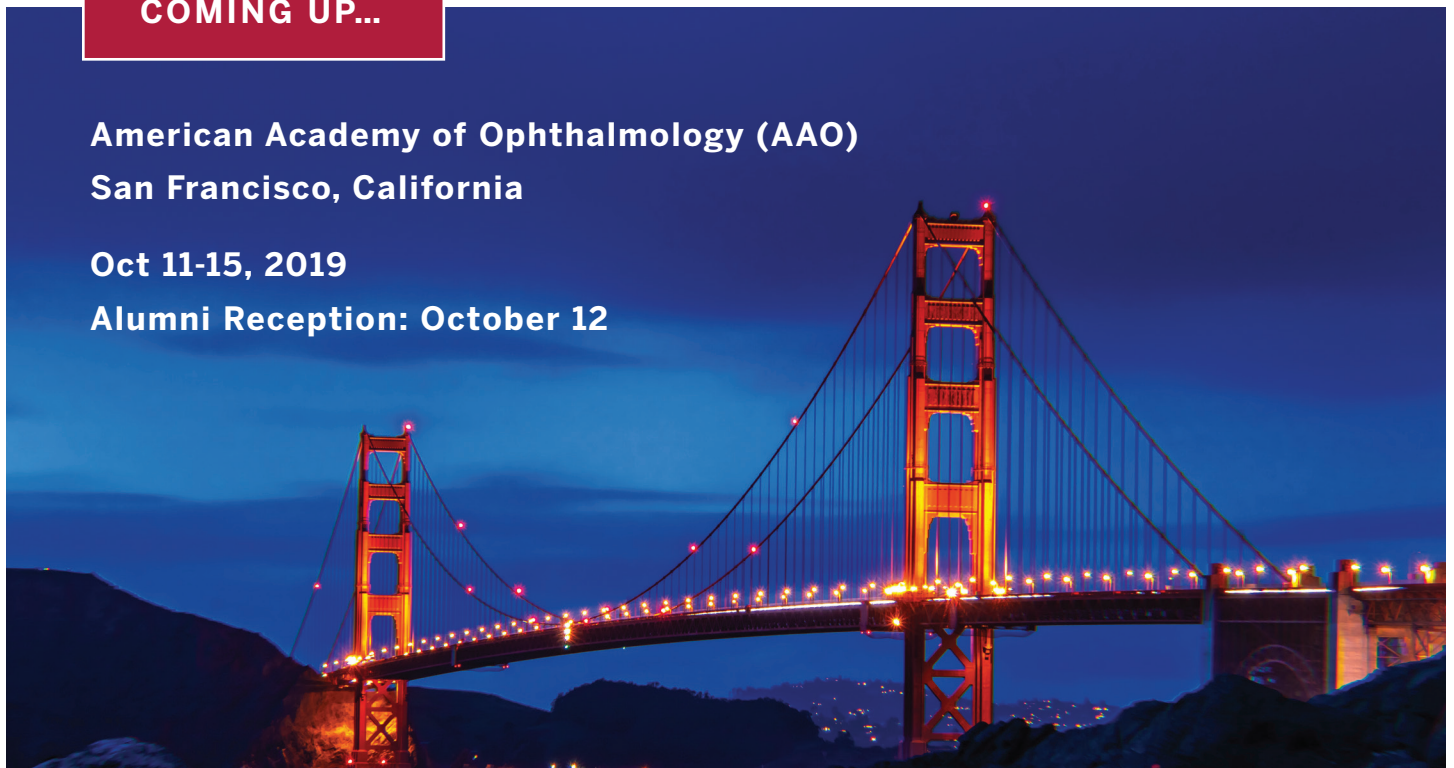
Jennifer Aspesi  
Elizabeth DiVito

**COMING UP...**

**American Academy of Ophthalmology (AAO)  
San Francisco, California**

**Oct 11-15, 2019**

**Alumni Reception: October 12**



AFFILIATES: Massachusetts Eye and Ear | Schepens Eye Research Institute of Mass. Eye and Ear | Massachusetts General Hospital | Joslin Diabetes Center/Beetham Eye Institute | Beth Israel Deaconess Medical Center | Boston Children's Hospital | Brigham and Women's Hospital | VA Boston Healthcare System | VA Maine Healthcare System | Cambridge Health Alliance PARTNERS: Aravind Eye Hospital (India) | L V Prasad Eye Institute (India) | Shanghai Eye and ENT Hospital, Fudan University (China)