Our purpose

The ARVO Foundation raises funds through partnerships, grants and sponsorships to support ARVO’s world-class education and career development resources for eye and vision researchers.
2019 by the numbers

183
Travel grants awarded to young researchers

$23,000
Given to career development programs to support junior scientists

13
International Chapter Affiliates

$220,000
Invested in research grants & fellowships

7
Grants given to help authors with financial need publish in ARVO journals

$32,800
Awarded to recognize and encourage innovative research

620
ARVO members and friends who supported the ARVO Foundation with a gift
This annual report celebrates the ARVO Foundation’s successes in 2019, but we cannot celebrate without acknowledging the tremendous challenges facing our global community. In just a few short months, the covid-19 pandemic response has upended our lives and our work, including the temporary closure of many of our labs.

Though these challenges are great and the future is uncertain, I know our collective passion and commitment to vision research is not extinguished. Our sight-saving work will go forward. So too continues the work of the ARVO Foundation to create and fund opportunities that support bright minds in ophthalmology and vision research.

Our community is vibrant and we remain committed to supporting each other. Last year’s ARVO meeting was a tremendous example of this support. With a matching gift from Steve Charles, MD, the ARVO community raised over $42,000 in Vancouver. With the cancelation of ARVO 2020, those funds will be deferred to ARVO 2021 in San Francisco where they will support travel grants for 22 young members to attend and present their research.

The ARVO Foundation also continues its expansion of programs to better serve ARVO members. We partnered with other vision research organizations to introduce the EyeFind Research Grants Program which will provide supplementary grants for the procurement of human eye tissue. We also launched a new award funded by Genentech that will provide a two-year grant to an early-career vision scientist from an underrepresented minority group. Both will accept their first applications in 2020.

While covid-19 has overtaken our collective consciousness, our community should not forget that 2020 is the year of the eye. We have made remarkable progress in our understanding of the eye and visual system: our accomplishments are enormous and should engender great pride. Nonetheless, we still face many scientific hurdles.

We will rely on each other even more in the coming year and I look forward to your continued partnership on this journey of discovery and cure. Thank you for your support.

Paul Sternberg, Jr., MD, FARVO
Chair, ARVO Foundation Board of Governors
Top: ARVO 2019 attendees enjoy the Student-Trainee Social for trainees, students and travel grant recipients

Right: ARVO President Steven J. Fliesler, PhD, FARVO, at the ARVO/Alcon Opening Keynote

Below: 2018 – 2019 ARVO Foundation award winners
The ARVO Foundation awarded 183 travel grants through 36 named funds in 2019, benefitting trainees from 20 countries. These travel grants underwrite the cost of attendance for the ARVO Annual Meeting, allowing young scientists to present their research and network with other eye and vision researchers from around the world.

American Macular Degeneration Foundation Travel Grants
ARVO Staff Travel Grant
ARVO Foundation Travel Grants
Elizabeth Anderson Travel Grants
Joanne G. Angle Travel Grants
Grant Wood Balkema Memorial Travel Grant
Robert B. Barlow, Jr. Travel Grant
IRCCS-Fondazione G. B. Bietti per lo Studio e la Ricerca in Oftalmologia-ONLUS Travel Grants
BrightFocus Foundation Travel Grants
Ramon F. Dacheux II Memorial Travel Grant
Marij and Paulus de Jong Travel Grant
M. Velma Dobson Memorial Travel Grant
C. Stephen and Frances B. Foster Foundation Travel Grant
Qais Farjo, MD Memorial Travel Grants
Foster Ocular Immunology Society Travel Grants
G. M. Jager Travel Grant
Murray and Jeanie Johnstone Travel Grant
Karamichos/Utheim Keratoconus Travel Grant
Knights Templar Eye Foundation Travel Grants
Sarla P. Kothary Memorial Travel Grant
Kowa Travel Grant
Kreissig Travel Grant
Lens and Cataract Travel Grant
Lions Eye Institute for Transplant and Research Travel Grants
Richard Newton Lolley Travel Grant
Friederike Mackensen Travel Grant
NIHR Moorfields Biomedical Research Centre Travel Grants
Ocular Immunology and Uveitis Foundation Travel Grant
Overseas Chinese Association for Vision and Eye Research (OCAVER) Travel Grant
David R. Pepperberg Travel Grant
Reader’s Digest Partners for Sight Foundation Travel Grants
Retina Research Foundation/ Joseph M. and Eula C. Lawrence Travel Grants
Bosco Tjan Memorial Travel Grant
Josh Wallman Travel Grant
Women in Eye and Vision Research (WEAVR) Travel Grants
Gerhard Zinser Memorial Travel Grant
Rumi Kawashima, MD, PhD  
Osaka University Graduate School of Medicine  
Robert B. Barlow Travel Grant  

I was thrilled to talk with many researchers about new medical science and future projects. I am inspired to develop my research. Communication with so many reputable doctors from many countries was an amazing experience. Receiving this grant has given me the opportunity to take part in this prestigious conference and develop possible future collaborations with international scholars.

Ken Kitayama, BA, MPH  
UCLA Stein Eye Institute  
Knights Templar Eye Foundation Travel Grant  

This was my first experience giving a paper presentation at a research conference. I was able to develop valuable public speaking skills that will definitely benefit me in my professional development. I was also able to have interesting and productive discussions with others in my field of research that will help to improve my research efforts.

Kaitryn Ronning  
University of California Davis  
Ocular Immunology and Uveitis Foundation Travel Grant  

When I attend the ARVO Annual Meeting, I know I have my finger on the pulse of the community. Interacting with other investigators and clinicians at ARVO meetings helps me attach names and stories to the published science. I think this human side can make the science more impactful and memorable and allows us to engage with the latest work far more intimately than is possible in the standard publication pipeline.

Denis Plotnikov, MD  
Cardiff University  
Josh Wallman Travel Grant  

I attended the ARVO 2019 meeting at the pivotal part of my PhD study and it was very helpful to me in terms of career perspective (now I know what I want to achieve, how I want to do it and whom I need to ask for advice). I will be attending annual ARVO meetings, as I feel my experience this year gave me a stimulus for both professional and personal growth.
Developing Country Eye Researcher Travel Fellowships
2019 Travel Fellows

The Developing Country Eye Researcher Travel Fellowships program brings aspiring scientists from developing nations to the ARVO Annual Meeting. Each recipient is paired with a volunteer mentor who guides them through ARVO’s large scientific meeting. Below are the 2019 recipients:

**Meenu Chaudhary, MD**
Institute of Medicine, Tribhuvan University
Nepal

**Emerson M. Cruz, MD**
Asian Eye Institute
Philippines

**Christine Darko, OD**
Kwame Nkrumah University of Science and Technology
Ghana

**Shima Dehghani, MD**
Zahedan University of Medical Sciences
Iran

**Masoud Fard, MD**
Farabi Eye Hospital
Iran

**Ranju Kharel (Sitaula), MD, FAICO**
B P Koirala Lions Centre For Ophthalmic Studies, Institute of Medicine, Tribhuvan University
Nepal

**Leila Satarian, MD**
Royan Institute
Iran

**Renu Venugopal, MSc**
Dr. R.P. Centre for Ophthalmic Sciences, All India Institute of Medical Sciences
India

**Erdost Yildiz, MD**
Koc University
Turkey

“This experience changed me in the most positive way, allowing me to stay motivated and try harder in the face of all limitations I have. This award was more proof that hard work, grit and perseverance will prevail no matter how daunting the challenges are. My experience at ARVO solidified my desire to work harder to mitigate blindness and to fight vision diseases in my country and other countries around the world.”

— Shima Dehghani, MD
Srilekha Sundaramurthy, PhD
Finding opportunity through the ARVO Foundation

Srilekha Sundaramurthy, PhD of the Vision Research Foundation in India is a two-fold beneficiary of the ARVO Foundation’s career-building financial support. In 2018, she received the Developing Country Eye Researcher Travel Fellowship (DCERF) which allowed her to attend the ARVO Annual Meeting in Honolulu. There, she presented her research during a poster session, and with the help of her ARVO-assigned mentor, worked on building her professional network.

“The DCERF program is really a golden opportunity for young researchers in developing country like India, especially at the start of their research career,” Sundaramurthy says. “It gave me an opportunity to get updated on ophthalmic research and develop my network with colleagues and mentors with similar research interests.”

With her new connections, she applied for and won a 2019 Roche Collaborative Research Fellowship with Patrick Yu-Wai-Man, BMedSci (Hons), MBBS (Hons), PhD, FRCPath, FRCOphth of the University of Cambridge and Moorfields Eye Hospital. The year-long award provides a $10,000 research grant to help recipients build their research skills with the support of a collaborator. Sundaramurthy’s research project is focused on understanding the mitochondrial mutations of Leber Hereditary Optic Neuropathy, a mitochondrial genetic disease.

“The ARVO Foundation supports young minds and talented individuals by giving them a start which every scientist needs early in their career,” she says. “I am sure that I will be able to use the opportunities and the networks that I am developing through these fellowships to successfully apply for more collaborative grants in the future. I am thankful to the ARVO Foundation.”
ARVO/Alcon Early Career Clinician-Scientist Research Awards
These support researchers who are committed to careers as clinician-scientists. The $3,000 award recognizes significant research being presented at the ARVO Annual Meeting.

Cecilia Lee, MD
University of Washington
Seattle, Wash.
Genomic and gene expression analyses of pathogens in post-surgical endophthalmitis

Lev Prasov, MD, PhD
National Eye Institute
Bethesda, Md.
Variants in myelin regulatory factor (MYRF) cause autosomal dominant nanophthalmos

Mary Whitman, MD, PhD
Boston Children’s Hospital, Harvard Medical School
Boston, Mass.
Rare copy number variants increase risk for esotropia

Patrick Yu-Wai-Man, BMedSci, MBBS, PhD, FRCPath, FRCOphth
University of Cambridge
Cambridge, U.K.
rAAV2/2-ND4 for the treatment of Leber Hereditary Optic Neuropathy (LHON): 72-week data from the REVERSE phase III clinical trial

Dr. David L. Epstein Award
This $100,000 award is given in memory of David L. Epstein, MD to a well-established, senior level investigator with a documented history of conducting eye and vision research in glaucoma and a record of accomplishment in successfully mentoring clinician-scientists to independent research in academic careers.

Mentor:
Harry A. Quigley, MD, FARVO

Mentee:
Thomas V. Johnson, MD, PhD
Wilmer Eye Institute, Johns Hopkins University School of Medicine
Baltimore, Md.
Stem cell transplantation for RGC replacement and optic nerve regeneration

From left: ARVO/Alcon Early Career Clinician-Scientist Research Award recipients Mary Whitman, MD, PhD; Lev Prasov, MD, PhD; Patrick Yu-Wai-Man, BMedSci, MBBS, PhD, FRCPath, FRCOphth; and Cecilia Lee, MD
2018 – 2019 Award Recipients

Bert M. Glaser, MD Award for Innovative Research in Retina
Given in memory of Bert M. Glaser, MD, this $10,000 award recognizes an early-career investigator who has made a novel discovery of a drug, technique or disease mechanism that impacted the understanding and/or treatment of a retinal disease or condition.

Mandeep S. Singh, MD, PhD
Wilmer Eye Institute, Johns Hopkins University School of Medicine
Baltimore, Md.

Pfizer Ophthalmics Carl Camras Translational Research Award
This research award gives $12,000 to early-career researchers who exhibit excellence in research. Their discovery or observation must have led to, or have the promise of leading to, clinical applications.

Yali Jia, PhD
Oregon Health & Science University
Portland, Ore.

Oberdorfer Award in Low Vision Research
Named in honor of Michael D. Oberdorfer, PhD and supported by the Lighthouse Guild, this $1,250 award is given to an invited speaker at the ARVO Annual Meeting whose presentation is on a topic related to low vision.

Cynthia Owsley, PhD, FARVO
University of Alabama at Birmingham
Birmingham, Ala.
*The effects of mesopic light levels on vision and functional activities*

Ludwig von Sallmann Clinician-Scientist Award
This $1,250 award for young clinician-scientists remembers Ludwig von Sallmann, MD, a distinguished international ophthalmologist and ophthalmic investigator, by recognizing an outstanding invited speaker at the ARVO Annual Meeting.

Pearse A. Keane, MD
Moorfields Eye Hospital NHS Foundation Trust
London, U.K.
*Artificial intelligence: the algorithmic solution to retinal healthcare*
Roche Collaborative Research Fellowships

This $10,000 fellowship supported by Roche promotes international scientific interactions and innovative research by pairing researchers from developing countries with well-established research scientists for a one-year collaborative project.

**Researcher**

**Vicente Bermúdez, PhD**
Instituto de Investigaciones Bioquímicas Bahía Blanca
Bahía Blanca, Argentina

The Phospholipase D (PLD) pathway modulates retinal pigment epithelium (RPE) cells phagocytosis: an insight into signaling at the onset of retinal inflammatory diseases

**Collaborating researcher:**

**Nicolas G. Bazan, MD, PhD, FARVO**
LSU Health School of Medicine
New Orleans, La.

**Genentech AMD Research Fellowships**

Supported by Genentech, these $40,000 research fellowships offer two grants annually for age-related macular degeneration: one for basic research and one for translational research.

**Basic AMD Research Fellowship:**

**Susana da Silva, PhD**
University of Pittsburgh
Pittsburgh, Pa.

Establishment of a foveated human 3D retinal organoid system to model AMD

**Translational AMD Research Fellowship:**

**Dimitra Skondra, MD, PhD**
University of Chicago
Chicago, Ill.

Common antidiabetic drug metformin prevents AMD by reshaping the gut microbiome

**Researcher**

**Swaminathan Sethu, BDS, MSc, PhD**
Narayana Nethralaya Foundation
Bangalore, India

Intraocular immune cell profiling in dry age-related macular degeneration

**Collaborating researcher:**

**Debasish Sinha, PhD**
University of Pittsburgh School of Medicine
Pittsburgh, Pa.

**Researcher**

**Daniela Alejandra Quinteros, PhD**
Unidad de Investigación y Desarrollo en Tecnología Farmacéutica - CONICET
Cordoba, Argentina

Potential neuroprotective effect of antioxidants included in innovative pharmaceutical formulations

**Collaborating researcher:**

**Rocío Herrero Vanrell, PhD**
Universidad Complutense de Madrid
Madrid, Spain
Publications Grants
These grants provide no-cost publication to several individuals per year who need funding assistance to publish in any of ARVO’s three journals.

**Investigative Ophthalmology and Visual Sciences**
Nov. 2018; Volume 59, Issue 13
Scanning Acoustic Microscopy Comparison of Descemet’s Membrane Normal Tissue and Tissue With Fuchs’ Endothelial Dystrophy
Esam T. Ahmed Mohamed; Jean-Marc Perone; Sebastian Brand; Michael Koegel; Nico F. Declercq

**Investigative Ophthalmology and Visual Sciences**
Nov. 2018; Volume 59, Issue 13
Macular Inner Retinal Layer Thickness in Relation to Photopic and Mesopic Contrast Sensitivity in Healthy Young and Older Subjects
María Cinta Puell; Catalina Palomo-Álvarez; María Jesús Pérez-Carrasco

**Investigative Ophthalmology and Visual Sciences**
May 2019; Volume 60, Issue 6
Electrophysiological and Psychophysical Studies of Meridional Anisotropies in Children With and Without Astigmatism
Tiong Peng Yap; Chi D. Luu; Catherine M. Suttle; Audrey Chia; Mei Ying Boon

**Investigative Ophthalmology and Visual Sciences**
June 2019; Volume 60, Issue 7
Effects of Monocular Atropinization on Refractive Error and Eye Growth in Infant New World Monkeys
Andrew R. Whatham; Daniel Lunn; Stuart J. Judge

**Investigative Ophthalmology and Visual Sciences**
Nov. 2019; Volume 60, Issue 14
Lowered Decorin With Aberrant Extracellular Matrix Remodeling in Aqueous Humor and Tenon’s Tissue From Primary Glaucoma Patients
Sampath Nikhalashree; Gayathree Karthikkeyan; Ronnie George; Balekudaru Shantha; Lingam Vijaya; Vineet Ratra; Konerirajapuram Natarajan Sulochana; Karunakaran Coral

**Journal of Vision**
May 2019; Volume 19, Issue 5
Short-Term Global Motion Adaptation Induces a Compression in the Subjective Duration of Dynamic Visual Events
Doga Gulhan; Inci Ayhan

**Translational Vision Science and Technology**
Jan. 2019; Volume 8, Issue 1
Characterization of Corneal Epithelial Cells in Keratoconus
Rohit Shetty; Krishna Poojita Vunnava; Kamesh Dhamodaran; Himanshu Matalia; Subramani Murali; Chaitra Jayadev; Ponnulagu Murugeswari; Arkasubhra Ghosh; Debashish Das
Mandeep S. Singh, MD, PhD
Special connections for the inaugural Glaser Award

Mandeep S. Singh, MD, PhD, assistant professor of ophthalmology at the Wilmer Eye Institute, Johns Hopkins Medicine, received the inaugural Bert M. Glaser, MD Award for Innovative Research in Retina in 2019. The award, funded by Glaser’s family in his memory, recognizes young researchers whose work has led to a novel discovery that could revolutionize retina care.

Singh earned the award through his work studying the relationship and interactions between host and transplanted photoreceptor cells. He and his team seek to understand how photoreceptor cells behave after transplantation, including how they integrate and exchange materials, like proteins, with the recipient tissue cells. A better understanding of the material transfer between photoreceptor cells, also known as cell fusion, can lead to the development of novel therapies that work to restore vision capabilities of the eye.

“The Glaser award has become so incredibly useful for my team,” said Singh. “Most of the work we do is resource-heavy, especially the materials that are key to our transplantation experiments, which are particularly expensive,” said Singh. “Having this award has allowed us to move forward on, and even accelerate, much of our work on stem cell transplantation.”

Glaser was a long-time retina researcher, surgeon, innovator and teacher who spent some of his early career years at Johns Hopkins University before moving to private practice in the Baltimore area. Ronnie Glaser, Bert Glaser’s widow, was delighted that another clinician-scientist from Wilmer Eye Institute was the inaugural recipient of the award. Mrs. Glaser, who still lives in the Baltimore area, had the opportunity to see Singh’s work up-close with a visit to his lab.

“Meeting Mrs. Glaser was absolutely wonderful,” said Singh. “I was struck by how deeply she cared about our work and its impact. It is a special feeling when you find other people who value your goals and the work you want to do. It was an incredibly motivating experience for my team and I.”
Knights Templar Eye Foundation Travel Grant recipient Yvonne Lu presents her research.

Liang Liu, MD, mentee recipient of the 2017 Dr. David L. Epstein Award, presents at the Epstein Award Session.

Travel grant recipients and colleagues celebrating at the Student-Trainee Reception.

Meeting the matching gift campaign goal.
Welcome to Vancouver

MIT Poster Award winner Reynolds Ablordepey presenting his research

It’s very complicated

Recipients of the 2019 ARVO Foundation Travel Grants funded by donations made at the ARVO 2018 Annual Meeting
Women in Eye and Vision Research

More than 520 colleagues attended the 12th Annual WEAVR Luncheon, raising $30,000 to support women in the visual sciences.

Outgoing WEAVR Leadership Committee
Chair Terri L. Young, MD, MBA, FARVO

Attendees from the Casey Eye Institute at Oregon Health and Science University enjoy the 11th Annual WEAVR Luncheon
Women in Eye and Vision Research

WEAVR volunteers support their young colleagues with the Drop-In Mentoring Program

WEAVR Luncheon speaker Gail C. Murphy, PhD (University of British Columbia)
Dowling Society Reception

The ARVO Foundation welcomed 21 new members of the Dowling Society in Vancouver, including M.E. Hartnett, MD, FARVO (second from right).

Carole Miner Schuman (center) joins the Dowling Society.

Steve Charles, MD poses with a cardboard cutout of John E. Dowling, PhD, FARVO who was unable to attend his namesake event.
550 friends and colleagues kicked off the week of ARVO 2019 at the ARVO Foundation Gala, raising over $90,000 to support eye and vision researchers.
Dowling Society members have made a commitment to the ARVO Foundation of $10,000 or more. The ARVO Foundation welcomed 21 new members to the Dowling Society at the 2019 ARVO Foundation Gala.

### 2019 Dowling Society members

Jayakrishna Ambati, MD, FARVO  
Catherine Bowes Rickman, PhD, FARVO  
Melinda K. Duncan, PhD, FARVO  
Malinda E. C. Fitzgerald, PhD, FARVO  
Ronnie Glaser and Bert M. Glaser, MD*  
Hans E. Grossniklaus, MD, FARVO  
Julia A. Haller, MD, FARVO, and John D. Gottsch, MD, FARVO  
Mary Elizabeth Hartnett, MD, FARVO  
John R. Heckenlively, MD, FARVO  
John A. Hoepner, MD  
John L. Keltner, MD, and Nancy Keltner  
Marmor Foundation/ Michael F. Marmor, MD, FARVO  
Carole Miner Schuman  
Gregory L. Skuta, MD  
Vicki Smith  
Alfred Sommer, MD, MHS  
Richard F. Spaide, MD, FARVO  
Terri L. Young, MD, MBA, FARVO

### Dowling Society members

Gary W. Abrams, MD, FARVO, and Jane C. Werner, MD  
Anthony P. Adamis, MD, FARVO  
Jayakrishna Ambati, MD, FARVO  
Robert E. Anderson, MD, PhD, FARVO  
Joanne Angle*, MLS, MPA  
Sally S. Atherton, PhD, FARVO and Robert Atherton  
Robert B. Barlow*, PhD, FARVO and Patricia Barlow  
Haydee E. P. Bazan, PhD, FARVO, and Nicolas G. Bazan, MD, PhD, FARVO  
Bernard Becker*, MD, FARVO  
David C. Beebe*, PhD, FARVO, and Mrs. Betsy Beebe, PA-C  
Paul S. Bernstein, MD, PhD, FARVO, and Ann Bernstein  
Eliot L. Berson*, MD, FARVO, and Kyra Kaplan-Berson  
Roger W. Beuerman, PhD, FARVO  
Laszlo Z. Bito, PhD  
Janet C. Blanks, PhD, FARVO  
Jeffrey H. Boatright, PhD, FARVO  
William J. Brunken, PhD, FARVO, and Dale D. Hunter, PhD, JD  
Claude F. Burgoyne, MD, FARVO and Vicki Smith  
Patrick Burke, MD, PhD  
R. V. Paul Chan, MD, and Ann-Marie Lobo-Chan, MD  
Stanley Chang, MD, FARVO  
Steve T. Charles, MD, FACS, FICS  
Emily Y. Chew, MD, FARVO, and Robert P. Murphy, MD  
Michael F. Chiang, MD  
Bruce E. Cohan, MD  
Lancey B. Cowan, JD, CAE  
Cheryl M. Craft, PhD, FARVO  
Patricia A. D’Amore, MBA, PhD, FARVO  
Reza Dana, MD, FARVO  
Paulus T. V. M. de Jong, MD, PhD, FARVO, FEBOphth, FRCOphth, and Marij de Jong  
John E. Dowling, PhD, FARVO, and Judith F. Dowling
Joyce Tombran-Tink, PhD, FARVO
Paying it forward

Giving back to the ARVO community has become a central tenant of the career of Joyce Tombran-Tink, PhD, FARVO. Tombran-Tink, a professor of Neural and Behavioral Sciences at Penn State, was recognized as a 2019 ARVO Foundation Honoree for her leadership, volunteer service and philanthropy to the ARVO community. Tombran-Tink was an early member of the ARVO Foundation’s Women in Eye and Vision Research (WEAVR) Leadership Committee and served on the ARVO Foundation Board of Governors. She and her husband Colin J. Barnstable, DPhil, FARVO have also been generous financial supporters of the ARVO Foundation.

“As an international student, I received great support from the ARVO community in terms of validating my work, funding my research and providing travel grants,” says Tombran-Tink, who is originally from Guyana. Her family’s giving has centered on travel grants and awards to bring early-career scientists to the ARVO Annual Meeting. “We want to encourage young bright minds globally to bring their innovations and ideas to a place where we can listen critically and network with people interested in collaborating with them. It really is investing in the next generation.”

Tombran-Tink benefited early in her career from a travel grant to attend a scientific meeting, which was followed by a Fight for Sight award. These two awards jump-started her career and helped to narrow her research focus. Her work ultimately led to the discovery of the Pigment Epithelial Derived protein (PEDF), a neurotrophic factor that reduces ocular cell death rates. This research has culminated in the creation of Skyran Biologics, a company co-founded by Tombran-Tink and Barnstable, that aims to develop PEDF therapy to treat diabetic retinopathy and other retinal diseases.

Being named a 2019 ARVO Foundation Honoree was a meaningful milestone for Tombran-Tink in helping her realize the significance of her contributions to the eye and vision research community over the span of her career. “It hits you that you made this impact. It made me step back and say, ‘Wow, I’m glad I’ve made a difference,’” she says. “I give because I was given to. I want to pay it forward. Whatever you give, it gives back.”
### Corporate donors

#### $100,000 and above
- Genentech
- Knights Templar Eye Foundation

#### $75,000 – $99,999
- Alcon Laboratories

#### $50,000 – $74,999
- Alcon Foundation
- Mallinckrodt Pharmaceuticals

#### $25,000 – $49,999
- Roche
- May and Samuel Rudin Family Foundation

#### $10,000 – $24,999
- BrightFocus Foundation
- Eye Bank Association of America
- Harvard Department of Ophthalmology
- Lowy MedicalResearch Institute
- NIHR Biomedical Research Centre
- Research to Prevent Blindness
- Retina Research Foundation

#### $5,000 – $9,999
- Boston University School of Medicine, Department of Ophthalmology
- Byers Eye Institute at Stanford
- Duke University
- EyeCRO
- Fondazione G B Bietti per Studio e Ricerca
- Foster Ocular Immunology Society
- Shiley Eye Institute
- University of Rochester Center for Visual Science; University of Rochester School of Medicine & Dentistry, Flaum Eye Institute; and LV Prasad Eye Institute
- University of Wisconsin Department of Ophthalmology and Visual Sciences
- Vanderbilt Eye Institute

#### $2,500 – $4,999
- American Macular Degeneration Foundation
- Sue Anschutz-Rodgers Eye Center, University of Colorado School of Medicine
- Belite Bio, Inc.
- Casey Eye Institute
- Emory Eye Center
- James & Jean Culver Vision Discovery Institute
- Indiana University Department of Ophthalmology
- John A. Moran Eye Center
- Medical College of Wisconsin
- New York Eye & Ear Infirmary of Mt. Sinai
- NYU Langone Health, Department of Ophthalmology
- The Ohio State University Wexner Medical Center Department of Ophthalmology and Visual Science
- University of Alabama at Birmingham
- University of California, Los Angeles
- University of California, San Francisco
- University of Illinois at Chicago
- University of Iowa
- University of Michigan W.K. Kellogg Eye Center
- University of Minnesota Department of Ophthalmology & Visual Sciences
- Upstate Medical University — Department of Ophthalmology and Center for Vision Research
- USC Roski Eye Institute
- Washington University School of Medicine
- Wills Eye Hospital

#### $1,000 – $2,499
- The C. Stephen & Frances B. Foster Foundation Inc.
- Hamilton Eye Institute, University of Tennessee Health Science Center
- North Texas Eye Research Institute
- Ocular Immunology and Uveitis Foundation
- #promotewomenin science
- Reader’s Digest Partners for Sight Foundation
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<tr>
<th>Amount</th>
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<td>$100,000 and above</td>
<td>Susan M. Epstein, RN, JD</td>
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<td>$2,500 – $4,999</td>
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<td>Alan R. Morse, PhD</td>
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Nicolas G. Bazan, MD, PhD, FARVO
(Governor Emeritus)
LSU Health Sciences Center
New Orleans, La.

John E. Dowling, PhD, FARVO
(Governor Emeritus)
Harvard University
Cambridge, Mass.

ARVO Foundation Staff
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Executive Director, ARVO and ARVO Foundation

Amanda Johnson
Director of Development, ARVO Foundation
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Developing Country Eye Researcher Travel Fellowship Mentors
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Andrew Fraser Smith, PhD
Andrew T. C. Tsin, PhD, FARVO
Terri L. Young, MD, MBA, FARVO
Assets
Cash and equivalents $874,477
Investments $3,736,922
Receivable, net $195,288
Total assets $4,806,687

Liabilities and Net Assets
Liabilities
Accounts payable and accrued expenses $216,096
Deferred revenue $119,776
Total liabilities $335,872

Net Assets
Without donor restrictions $2,592,632
With donor restrictions $1,878,183
Total net assets $4,470,815

Total Liabilities and Net Assets $4,806,687

As of December 31, 2019

Program expenses

- Research (43.1%)
- Awards (5.7%)
- International Chapter Affiliates (2.2%)
- Education, meetings, other (13.3%)
- Travel grants (35.7%)