OUR MISSION

The American Glaucoma Society Foundation’s mission is to support glaucoma research and education, and to promote excellence in the care of patients with glaucoma.
Sadly, there are millions of people worldwide living with the threat of impending blindness from glaucoma. As the population ages and growing numbers are afflicted with glaucoma, the AGSF’s mission becomes increasingly vital.

AGS Cares is a public service program dedicated to providing surgical glaucoma care to uninsured patients at no cost to those who qualify through a national network of volunteer glaucoma specialists. The program launched in 2017, and we are proud that we have over 375 volunteer physicians to support this program and have helped over 170 patients by providing financial aid for very much needed glaucoma surgery. We look forward to growing this program to continue helping those in need.

Together, we can help change lives.

Thank you for your partnership with the American Glaucoma Society Foundation.

It is a pleasure to present our 2022 Annual Report, which highlights the programs we support to further glaucoma research, patient care, and mentoring of our young physician scientists to one day find a cure for this silent thief of vision.
AGS Cares
Formally launched at the 2017 AGS Annual Meeting, this public-service program is dedicated to providing surgical glaucoma care to uninsured patients at no cost to those who qualify through a national network of volunteer glaucoma specialists. We have a network of over 375 National Physician Volunteers and have supported over 170 patient surgeries.

AGS Clinician Scientist Research Grants for Young Clinician Scientists
Encourages the development of young clinician scientists in glaucoma by providing funding for research projects within the first 5 years after fellowship completion, a time critical for developing the skills necessary for a research career and establishing a track record of productivity.

AGSF Support for the Minority Ophthalmology Mentoring Program
The AGS Foundation supports the American Academy of Ophthalmology’s (AAO’s) Minority Ophthalmology Mentoring (MOM) program. Launched as a two-year pilot in 2016, its success has garnered the full support of the AAO and Association of University Professors of Ophthalmology (AUPO) for five years (2018 – 2023). The premise of the program (supported by public health evidence) is that access to care improves when the physician community reflects the population at large. The program’s goal is to attract qualified, under-represented minority medical and undergraduate students into ophthalmology. The Foundation is proud to support this initiative to further the pillar of its educational mission and access to care in ophthalmology and glaucoma.

Mentoring for the Advancement of Physician Scientists
A multi-faceted mentoring program created to fulfill the mission of the AGS by supporting early career glaucoma specialists and scientists by providing tools and resources to further their careers as potential leaders in science, research, and specialty glaucoma care.

International Fellowship Program
The George L. Spaeth, MD International Glaucoma Fellowship Fund has been established to both celebrate the leadership of Dr. George Spaeth and to advance glaucoma care to the benefit of humankind in perpetuity.

Patient Reported Outcome Measurements for MIGS
A Patient Related Outcome (PRO) questionnaire is being developed specifically for patients undergoing MIGS surgery; however, the tool may be more generally useful for other studies in subjects with mild to moderate glaucoma. The AGS and AGSF are committed to making this tool available, without cost, to anyone who wishes to use it to advance our understanding and treatment of glaucomatous disease.
Thank you for your Partnership with the American Glaucoma Society Foundation

It is an honor for me to address you as the 21st President of the American Glaucoma Society.

Our Foundation’s goal is to promote the awareness, research, and treatment of glaucoma. This goal resonates deeply with me, as well as with our dedicated members and partners. Together we are united by a common goal: to combat this insidious disease and improve the lives of those affected by it.

We are delighted to present our 2022 Annual Report highlighting the programs we support. In our pursuit of progress, research stands as a cornerstone. Our Foundation supports cutting-edge projects that illuminate the mysteries of glaucoma and drive innovation in its treatment. We foster collaboration among researchers, clinicians, and patients, creating a synergy that accelerates advancements in understanding and care. We also strive to develop novel mentorship opportunities for the next generation of physicians, educators, and scientists.

The American Glaucoma Society Foundation continues to provide vital support of the missions of AGS by fostering broad collaborations. The AGSF is most grateful for the generous help we have received from our patients, colleagues, and industry partners. Without their assistance, much of what we have accomplished would not have been possible.

Thank you once again for joining us in our mission to prevent vision loss from glaucoma by investing in patient care, innovation, and discovery. Together, we are writing a narrative of hope and resilience—one where the shadow of glaucoma is gradually diminished by the light of knowledge, compassion, and innovation.

Leon W. Herndon, Jr., MD
President, American Glaucoma Society
YOUNG CLINICIAN SCIENTIST RESEARCH AWARDS

Encourages the development of young clinician scientists in glaucoma by providing funding for research projects within the first 5 years after completion of fellowship, a time period critical for developing the skills necessary for a research career and establishing a track record of productivity. The Foundation supports $40,000 research grant awards to each Young Clinician Scientist.

2022 Young Clinician Scientist Recipients

Jiun Lap Do, MD, PhD
University of California, San Diego
*Stem Cell-Derived Optic Nerve Relays to Restore Vision*

Wendy Wing-Heng Liu, MD, PhD
Stanford University
*Functional Characterization of Mechanosensitive Ion Channels in the Eye and Their Role in Glaucoma*

Nazlee Zebardast, MD, MSc
Massachusetts Eye and Ear/Harvard Medical School
*Predicting Glaucoma Progression Using Genetic Risk Variants, Machine Learning Derived Phenotypes, and Clinical Features*
MENTORING FOR THE ADVANCEMENT OF PHYSICIAN SCIENTISTS (MAPS)

A multi-faceted mentoring program that fulfills the mission of the AGS by supporting early career glaucoma specialists and scientists by providing tools and resources to further their careers as potential leaders in science, research, and specialty glaucoma care. The MAPS awards program was initiated in 2007 and was originally generously funded by Allergan. Today, MAPS is generously supported by the Cure Glaucoma Foundation.

2022 MAPS Award Recipients

**Andrew E. Pouw, MD**
University of Iowa
*A Novel Perimetry Platform with Virtual Reality and Tablet Testing for Teleglaucoma*

**Inas F. Abookakar, MD**
Massachusetts Eye and Ear
*Interaction of POAG-Associated Mitochondrial Genetic Risk Scores with Environmental Risk Factors*

**Anh H. Pham, MD, PhD**
Bascom Palmer Eye Institute
*Establishing a Mitochondrial DNA Database for Glaucoma Using Trabecular Meshwork Sample*

**Aaron D. Webel, MD**
University of Missouri, Columbia
*Sulcus Tube Insertion System*

**Qing Wang, MD, PhD**
Columbia University
*Improving Mitochondrial Function and Energy Metabolism in Glaucomatous Neurodegeneration*

**Jasdeep Sabharwal, MD, PhD**
Wilmer - Johns Hopkins University
*Utilizing Home Tonometry to Assess Temporal Dynamics of IOP Change with Latanoprost*
AGS CARES

AGS Cares is designed to address a major unmet need for glaucoma care among U.S. patients with limited financial resources. The program connects such patients with volunteer surgeons who can provide the surgical and postoperative clinical care necessary to prevent disease progression and blindness. This is an opportunity for the AGS and glaucoma experts to give back to the community through a meaningful program that is sustained with ongoing support from AGS Foundation donors to help cover some of the surgically-related costs. We are proud to have helped over 170 patients so far.
SPAETH INTERNATIONAL FELLOWSHIP FUND

The George L. Spaeth, MD International Glaucoma Fellowship Fund was launched in late 2022, to honor and celebrate the extraordinary career of AGS’s first president and one of its founders, Dr. George Spaeth. Dr. Spaeth joined us at the 2023 AGS Annual Meeting in Austin at a well-attended dinner reception to celebrate his 91st birthday and to raise donations for his named fund from his hundreds of former fellows from Wills Eye, his many friends, and numerous grateful patients. We are excited to announce that the inaugural Spaeth International Fellow will be traveling to Africa in late 2023. This program will help foster and promote excellence in glaucoma care in the developing world.

Thank you, donors!

We thank all of the friends, colleagues, and patients of Dr. Spaeth who have already donated to the fund. Special thanks go to our three Founder level donors who have each pledged $25,000 to support the fund.

Dr. Louis B. Cantor & Linda E. Cantor

Dr. Ronald Leigh Fellman & Mrs. Nancy Fisher Fellman

Kevin C. Greenidge, MD, MPH
GRANT Awardee Updates

We are excited to share updates from two previous MAPS grant recipients, whose projects have grown into programs and products that provide meaningful improvements in patient care.

**Natasha Nayak Kolomeyer, MD**

I am extremely grateful to have received the MAPS grant from the American Glaucoma Society Foundation, as it has been an integral part of developing the AGS FEELS [Familial Empowerment and Education to Launch (Glaucoma) Screening] Program. First-degree relatives (FDRs) of glaucoma patients have up to a 10-fold higher risk of glaucoma than the general population. However, surveys of treated glaucoma patients have shown that a large proportion were not aware that glaucoma is hereditary, and never suggested their FDRs undergo an exam. We performed a three-part study at Wills Eye Hospital that included qualitative assessments that gathered community perceptions regarding glaucoma and intrafamilial risk communication. This informed our design and pilot trial of a QR code-based intervention to allow direct and standardized intrafamilial communication of glaucoma risk among patients and their relatives using a customized website. The high percentage of FDRs who followed up with their family members and scheduled appointments suggests that this approach may be a promising way to improve glaucoma detection. I am excited about expanding upon this pilot in collaboration with Dr. Leon Herndon and the American Glaucoma Society with our development of the AGS FEELS program - stay tuned!

**Robert M. Kinast, MD**

After I invented a new eye drop guide, the MAPS award allowed me to perform a clinical study to see if the guide actually helped patients. In a study on 50 glaucoma patients, 47 preferred the guide, which improved success, safety, and satisfaction. We also published a study on low vision patients that showed similar results. These findings gave me confidence to turn the guide into a consumer product - GentleDrop - which is now the #1 eye drop guide on Amazon! The experience from the MAPS grant then led to other inventions and grants (including NIH funding) to investigate the inventions.
FINANCIAL REPORT

On behalf of the American Glaucoma Society Foundation, I would like to express our sincere gratitude and appreciation for all the generous support we received for the Foundation in 2022. We look to your much-needed continued support in the years to come.

Over the past year, the AGS Foundation Board members and Advisory Board members have been hard at work collaborating with the AGS to drive our mission to help nurture glaucoma research and education, and to promote excellence in the care of glaucoma patients. Our Board is dedicated to the mission of the organization, and we are grateful for 100% giving from our Board members.

In the coming year, the AGS Foundation will experience significant growth in cultivating the development of new programs for the American Glaucoma Society with continued focus on research, education, and patient care. We eagerly look forward to your continued support, and together we will make giant strides in making a difference!

David G. Godfrey, MD
Treasurer
American Glaucoma Society Foundation
### REVENUE AND SUPPORT

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<tr>
<th></th>
<th>Without Donor Restrictions</th>
<th>With Donor Restrictions</th>
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<th>2021</th>
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### EXPENSES

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<td>AGS Cares</td>
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### ASSETS

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<td>Net Realized and Unrealized (Loss) Gain on Investments</td>
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<td>Change in Net Assets</td>
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<td>Net Assets, Beginning of Year</td>
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<td><strong>Net Assets, End of Year</strong></td>
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<td><strong>$5,000</strong></td>
<td><strong>$324,521</strong></td>
<td><strong>$486,449</strong></td>
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</table>
2022 Was a Year of Continued Growth

The American Glaucoma Society (AGS) and its AGS Foundation are impactful organizations that exist, indeed flourish, as the direct result of the unyielding commitment, expertise, and support of its members and donors.

Through the generosity of our donors, we were positioned to again provide our glaucoma physicians, researchers, and patients with state-of-the-art training, technology developments, and access to surgery for those patients unable to afford the care. The AGS and its Foundation value our donors and friends. We are grateful for every dollar donated to the AGS Foundation from individuals, corporate grants, and grant-making foundations.

Throughout 2022, the AGS Foundation gratefully received support from our donors and volunteer member surgeons to help provide glaucoma surgeries through the AGS Cares program, the AGS Young Clinician Scientist Research Awards, the Mentoring for the Advancement of Physician Scientists (MAPS) Awards, and other priority programs. As a wonderful example, the George L. Spaeth, MD International Fellowship Fund was established in honor of one of the founders of AGS (and its inaugural president) with the goal of annually funding one or more Spaeth International Fellows to travel and partner with local glaucoma physicians in underserved communities throughout the world. The Spaeth International Fellows, the selected communities of need, and the hosting glaucoma care providers will all benefit from this unique program.

AGS and its Foundation have continued to grow since their founding. Our priority initiatives have been carefully considered by our members and endorsed by AGS leadership. However, without the financial philanthropic support from our members and donors, the AGS Foundation could not, in turn, provide the financial resources necessary to annually support Spaeth International Fellows, underwrite glaucoma surgeries for those in need, or award yearly research grants to advance knowledge.

Thank you to all who donated in 2022. Please consider making your 2023 donation by giving online at www.americanglaucomasociety.net/ags-foundation/donate or by check mailed to: The AGS Foundation, PO Box 884648, Los Angeles, CA 90088. Please contact me directly at kboyden@ags-foundation.org if you wish to discuss your consideration of an estate gift to the AGS Foundation or prefer to make your donation through the transfer of appreciated stock or a donor advised fund (DAF).

AGS, its members, and their patients benefit from the generosity of our committed donors.

Giving brings joy. What you give brings change.

Ken Boyden, JD, EdD
Chief Philanthropy Officer
American Glaucoma Society Foundation
THANK YOU

We thank the following individuals and organizations for supporting the American Glaucoma Society Foundation and its mission to support glaucoma research and education, and to promote excellence in the care of patients with glaucoma.
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Make a Donation
The American Glaucoma Society Foundation is a 501(c)3 non-profit organization. Donations are tax-deductible as provided by law.

We accept checks payable to:
American Glaucoma Society Foundation
PO Box 884648
Los Angeles, CA 90088-4086

Donate Online:

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