### STORM EYE INSTITUTE FACULTY

**BY AREA OF SPECIALTY**

<table>
<thead>
<tr>
<th>Department</th>
<th>Name</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CORNEA, CATARACT &amp; REFRACTIVE SURGERY</strong></td>
<td>Karolinne Rocha, MD, PhD</td>
<td>Director of Refractive Surgery</td>
</tr>
<tr>
<td></td>
<td>George O. Waring IV, MD, FACS</td>
<td>Medical Director of the Magill Vision Center</td>
</tr>
<tr>
<td><strong>COMPREHENSIVE OPHTHALMOLOGY</strong></td>
<td>Lynn J. Poole Perry, MD, PhD</td>
<td></td>
</tr>
<tr>
<td><strong>PATHOLOGY &amp; CATARACT</strong></td>
<td>Robert J. Black, OD, MA</td>
<td></td>
</tr>
<tr>
<td><strong>GENERAL EYE CARE AND CONTACT LENSES</strong></td>
<td>Matthew J. Nutaitis, MD</td>
<td></td>
</tr>
<tr>
<td><strong>GLAUCOMA &amp; CATARACT</strong></td>
<td>Aljoeson Walker, M.D.*</td>
<td></td>
</tr>
<tr>
<td><strong>NEURO-OPHTHALMOLOGY</strong></td>
<td>Edward W. Cheeseman, MD</td>
<td></td>
</tr>
<tr>
<td></td>
<td>M. Millicent Peterseim, MD</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Bruce G. Pratt, D.V.M.</td>
<td>Chair for International Ophthalmology</td>
</tr>
<tr>
<td></td>
<td>Richard A. Saunders, MD</td>
<td></td>
</tr>
<tr>
<td><strong>PEDIATRIC OPHTHALMOLOGY &amp; ADULT STRABISMUS</strong></td>
<td>M. Edward Wilson, Jr., MD</td>
<td></td>
</tr>
<tr>
<td></td>
<td>N. Edgar Miles Professor</td>
<td></td>
</tr>
<tr>
<td><strong>PLASTIC AND RECONSTRUCTIVE SURGERY</strong></td>
<td>Andrew S. Eiseman, MD</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Stanley and Theodora Feldberg Endowed Chair</td>
<td></td>
</tr>
<tr>
<td><strong>RETINA, VITREOUS &amp; MACULA</strong></td>
<td>Lucian V. Del Priore, MD, PhD</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Pierre G. Jenkins Professor</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Jan A. Kylstra, MD</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Jeffrey P. Blice, MD</td>
<td></td>
</tr>
<tr>
<td><strong>RESEARCH</strong></td>
<td>Rosalie K. Crouch, PhD</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Narendra Banik, PhD*</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Craig E. Crosson, PhD</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Pawek-Vallotton Professor</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Zsolt Ablonczy, PhD</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Jie Fan, PhD</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Jie Gong, MD, PhD</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Shahid Husain, PhD</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Prakash Kara, PhD*</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Masahiro Kono, PhD</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Yiannos Koutalos, PhD</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Ernesto Moreira, MD</td>
<td></td>
</tr>
<tr>
<td></td>
<td>John Oatis, PhD</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Baerbel M. Rohrer, PhD</td>
<td></td>
</tr>
<tr>
<td><strong>RESEARCH</strong></td>
<td>SmartState Endowed Chair in Gene and Pharmaceutical Treatment of Retinal Degenerative Diseases</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Kumar Sambamurti, PhD*</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Rupal Trivedi, MD</td>
<td></td>
</tr>
</tbody>
</table>

*Secondary Faculty Appointment

**PUBLICATION DESIGN** | Thomas Hamm II | Rebekah Menges

**EDITORS** | Catherine Hanhauser | Ashton Finley
As we near the end of the year, it is always a time for reflection and celebration of the accomplishments of the last year, as well as a time for anticipation of what lies ahead. I cannot help but be fully engaged in both, as we, Storm Eye Institute, enter into our 40th year. Looking back at over 40 years of accomplishment is no small task, especially with a faculty and programs as diverse as ours. From its inception, Storm Eye Institute has been the result of dedicated philanthropy. Our mission has guided us to provide expert patient care, conduct cutting edge vision research and educate the next generation of ophthalmologists. In each of these areas, philanthropy has been the key to our success. From incredible research breakthroughs, to improvements in patient therapies and cures, we have been at the forefront of vision care in the state of South Carolina and the nation since our very beginning in 1976.

Personally, I have been honored to be appointed as Storm Eye’s interim chairman and look forward to leading our community of faculty and staff forward in continuing our mission to serve the people of the Lowcountry and beyond. Throughout this issue you will learn about many of Storm Eye’s major recent milestones and accomplishments. Other stories of hope and healing are shared within the pages of this edition of Eye to Eye. On behalf of all of us here at Storm Eye Institute, I would like to thank you for your participation and support in helping us fulfill our noble mission.

We hope you will join us as we look towards the future and the next 40 years at Storm Eye Institute.

Sincerely,

Andrew S. Eiseman, M.D.
1. How are you changing what’s possible at MUSC?

I am changing what’s possible at MUSC by creating a multi-disciplinary team of medical experts available to provide the most comprehensive care possible for patients with ophthalmic plastic and reconstructive surgery issues. These services require the functional evaluations and reconstructions of patients with eyelid, eyebrow, and eye socket abnormalities including trauma, eyelid malpositions, tumors, and ocular abnormalities caused by systemic disease to include endocrine abnormalities like thyroid disease and cancer. The aesthetic and cosmetic concerns of patients are also addressed through the application of state of the art surgical surgeries to improve appearance and the use of adjunctive procedures like Botox and filler injections and the use of periocular chemical peels.

2. Where is your hometown?

Born in Philadelphia, PA but lived in Maryland in the suburbs surrounding Washington, DC for most of my life. Moved to Charleston, SC when retired from the US Army after 26 years of service as a physician.
3. What’s your idea of a perfect vacation?
Spending time with family and exploring new areas of the country.

4. Favorite words of advice?
Always do the best job you can and instead of fearing change embrace it!

5. Family and pets?
Married to my beautiful wife Amy for 28 years. My daughter Allie is 26 years old and she is an Army Officer at Fort Stewart, Georgia. My son Mark is 24 years old and he is a Mount Pleasant, South Carolina Police Officer. Live with three rescue cats named Mia, Taylor, and Tyrion.

6. What is your favorite summer memory this year?
Had a great family reunion at the beach and spent a week with relatives that I have not seen in over a year!

7. People you admire in your life and why?
I admire people who look at challenges and adversity as opportunities for improvement and advancement. Anyone can identify and complain about problems but it takes a special individual to develop creative solutions that ultimately improve the situation!

8. What was the greatest moment in your life?
Meeting my wife my senior year at West Point!

9. What is the best thing about living in Charleston?
Best thing about living in Charleston is the great climate, access to outdoor activities, and meeting new friends and colleagues.
Age-Related Macular Degeneration (AMD)  
by Jeffrey Blice, M.D.

AMD is the leading cause of central vision loss in people over 50 years old in the United States. The disease has a spectrum of symptoms and findings on eye exams. Most people will have no symptoms or minimal symptoms for many years and may never progress to severe central vision loss. Others will have sudden onset of symptoms with dramatic loss of central vision. Some people will have vision loss in one eye that has been present for some time and will suddenly become aware of that poor vision only when their good eye is closed or also develops symptoms. In general, the disease come in two forms. The “Dry” form affects 85-90% of AMD patients and tends to progress slowly. The remaining 10-15% percent of patients develop the “Wet” form of AMD. Both forms can cause severe loss of central vision. But Wet AMD tends to cause more symptoms rapidly. Dry AMD is used to describe those patients with AMD who have pigment changes in the layers under the retina and deposits under the retina called drusen. Over time areas of atrophy may develop that will cause loss of central vision. Wet AMD is used to describe those AMD patients with the growth of new blood vessels that don’t normally belong in or around the retina. These vessels leak and bleed damaging the retina and central vision. This bleeding and leakage can occur or worsen rapidly explaining the sudden onset of symptoms is patients. Both forms can be present in the same eye at the same time. Once damage occurs to central vision from either form of AMD, the disease is classified as Advanced AMD. In its worst forms AMD rarely cause complete blindness. Most patients keep their peripheral vision although the ability to read, write, drive, distinguish faces, and identify denominations of money are impacted. The impact to a patient’s independent lifestyle can be devastating even in the absence of complete blindness.

Who gets macular degeneration?

Anyone can get AMD but there are factors that make getting the disease more likely. Some you can’t control. Age and family history are both important risk factors. Patient over 60 with a family history are at increased risk. There is a developing body of evidence pointing to certain high risk genetic markers, but the clinical usefulness of this information is still in its infancy. The disease is more common in Caucasians than those of African or Hispanic/Latin descent. The most important factor you can control is smoking. If you needed another reason to stop smoking or not start here it is. Smoking doubles the risk of AMD.

How do I know if I have it?

Hopefully, you don’t know if you have AMD. The only way for a person to tell if they have findings of AMD without symptoms is to have competent eye care professional perform an examination of the retina. Visible signs of AMD are usually easily detectable during the course of a dilated eye exam. If suspicious findings are detected you may be referred to a Retina specialist for further examination and counselling. The identification of high risk findings for macular degeneration is a good reason for all patients to have a dilated eye exam regularly once reaching the age of 60.
Can your treat the dry form of AMD?

The short answer is no. Although research continues and Storm Eye is a participant in a study to determine the effectiveness of treatment to slow progression of atrophy, the best current option is minimizing risk. You can minimize your risk of developing AMD by not smoking, promoting general health, reducing cardiovascular disease risk factors and maintaining a healthy diet.

A specific groups of high risk AMD patients were described by the Age Related Eye Disease Study investigators that reduced their risk of progression to Advanced AMD by taking the AREDS vitamin formulation. These vitamins are a mixture of vitamins, minerals and antioxidants. These vitamins are an over the counter supplement identified by “AREDS” or “AREDS2 formulation” on the packaging. However, only a retina exam, counselling by your eye physician and consultation with primary care physician can determine whether or not these supplements are in your best interest.

How do you treat the wet form of AMD?

If you are unlucky enough to develop Wet AMD, there are excellent therapies that have become commonplace in the last 10 years. The most effective treatments are directed against the chemical messenger driving the growth of new blood vessels in the eye. These drugs are known as “anti-VEGF” agents. The effects of these medications in improving vision or limiting long term damage have revolutionized the treatment of Wet AMD. The trade names of these drugs are Avastin, Lucentis and Eylea. There are not generic forms currently available. Which medication is best for you is a matter for you and your retina specialist to discuss. The current method of administration requires injection through the eye wall into the eye; a procedure that although low risk sounds much worse to endure than it turns out to be.
What is getting an injection like?

Injecting the eye is potentially a risky endeavor. This risk is managed by maximizing the comfort of the patient to avoid any unexpected movements and minimizing the risk of infection. The patient’s comfort is not only maximized by strong numbing medication applied by drops then injection, but by explaining the steps of the procedure carefully. Infection risk is minimized by the use of antiseptic agents on and around the eye as well as careful technique to avoid any contamination. The first step involves obtaining the consent of the patient and confirming with the patient the eye to be injected and marking the skin over the brow. Next, strong numbing drops are used to anesthetize the delicate skin over the white of the eye, the conjunctiva. A needle one one-hundredth of an inch in diameter is used to inject a small amount of numbing medicine under the conjunctiva. After 10 minutes or so, the actual injection procedure begins. The skin around the eye is painted with an antiseptic solution. That same antiseptic may be dropped onto the eye. Your doctor will place a small metal instrument used to hold the eyelids open. You will be directed to maintain your gaze in a certain direction. Using a syringe with another very thin needle the injection of a very small volume of medication will occur through the white of the eye. The speculum is removed. The antiseptic is washed away. After having their first injection, almost all patients state they were surprised at the ease and comfort of the procedure. The most likely discomfort you will feel is after the procedure; often mild burning from the antiseptic similar to getting soap in the eye will last for a short time up to one day. This is a small price to pay to prevent infection and successfully get the medication where it is needed.

In summary

AMD is an important cause of central vision loss in the United States now affecting the baby boomer generation. Although no cure exists, there are ways to minimize your risk. Treatments are available that have revolutionized the treatment of the disease. The future of new medications and new methods to deliver them make this an exciting time in the management of the disease for patients and their physicians.

Jeffrey P. Blice, M.D.

Jeffrey P. Blice joined Storm Eye Institute as a Clinical Associate Professor of Ophthalmology in 2013. He is a specialist in Vitreoretinal diseases. Dr. Blice comes from Walter Reed National Military Medical Center, where he served as Assistant Service Chief of Ophthalmology, Director of the Vitreoretinal Services and Assistant Professor at the Uniformed Services University of Health Sciences. He was on the staff of the National Naval Medical Center and held leadership positions in pharmacy and therapeutics, patient safety, health care operations, and information technology. He most recently served as Chief of Staff on the U.S. Navy’s regional command in Washington.

To make an appointment with Dr. Jeffrey Blice at Storm Eye Institute of MUSC call (843) 792-8100
Magill Vision Center 20th Anniversary Celebration

On a brisk winter night in January MUSC leaders and friends came together to celebrate the 20th Anniversary of the Magill Vision Center of Storm Eye Institute and to honor its benefactors, the Magill and Melosi families. Patrons and patients of the Magill Vision Center were invited to a cocktail reception followed by a short program led by MUSC CEO Patrick Cawley, MD, MBA.

Attendees of the event included Storm Eye Institute Board Members, MUSC Vice President for Development Jim Fisher and MUSC President, Dr. David Cole and his wife Kathy.

It was a night of celebration and remembrance of the generosity and service of Holly and Arthur Magill.
Charleston RiverDogs Donate $20,000 to MUSC Storm Eye Institute

In early September, on the night of the last home game of the year, the Charleston RiverDogs presented Storm Eye Institute with a check for $20,000 in front of a stadium of fans. Through four events each year the Charleston RiverDogs raise money for vision research at Storm Eye to find cures and treatments for blinding eye diseases such as retinitis pigmentosa and age-related macular degeneration.

For almost two decades the Charleston RiverDogs have been a powerful community partner in the fight against blindness. Inspired by their daughter, Rebecca, who was diagnosed with retinitis pigmentosa as a child, RiverDogs’s owner Mike Veeck and his wife Libby have dedicated their lives to supporting vision research that will one day find the cure for blinding eye diseases and restore the vision of the millions affected.
Storm Eye Institute is honored to be the recipient of funds raised through the Hot Stove Banquet, Run Forrest Run 5K, Fun is Good Golf Tournament and Kindness Beats Blindness. “It’s a privilege to work with Libby and Mike, and the entire RiverDogs family, including Dave [Echols, RiverDogs General Manager] and Melissa [Azevedo, RiverDogs Director of Special Events]” says Storm Eye Institute Co-Chairman, Dr. Andrew Eiseman.

“We are honored to have their support and are grateful for the assistance they give us in our fight against blindness. We hope to keep a strong relationship between Storm Eye Institute, MUSC, the Charleston RiverDogs and the Charleston community.”
We couldn’t be more grateful for the support of our largest community partner, the South Carolina Lions Clubs. Through their hard work and dedicated service to ending blindness, the SC Lions donated over $61,000 to Storm Eye Institute in 2015 to support vision research. Each year the Lions Clubs of South Carolina choose a pilot project and principle investigator to support with their fundraising. The support of these pilot projects has led to millions of dollars from the National Institutes of Health, which make the every-day work of finding cures and treatments for blinding eye diseases possible. Thank you South Carolina Lions for all that you do to help the fight for sight.

(Read about this year’s pilot project on page 24)
Storm Eye Institute welcomed back its alumni for the 2nd annual Spring Meeting and Alumni Reunion held here at MUSC April 24 through April 25, 2015. The weekend kicked off with a Happy Hour at Leaf on Thursday night for local alumni, out of town guests, current residents and SEI faculty.
Friday was full of lectures and presentations, including the presentation of the Storm Eye Medal to distinguished keynote speaker, Dr. Lawrence Yannuzzi of Columbia University and Manhattan Eye, Ear & Throat Center. Friday night the award winners were celebrated with a dinner at Cypress restaurant. The spring meeting concluded on Saturday after lectures and the presentation of the Alumni Achievement Award to Dr. David K. Coats (’91) and the Distinguished Alumni Award to Dr. Allan R. “Buddy” Thompson (’78).
SAVE THE DATE!

2016 SEI ALUMNI MEETING

NOVEMBER 4 - 5, 2016

For more information:
Contact Ashton Finley
843.792.3040
finleyas@musc.edu
Donors rally to give pediatric waiting room a much-needed facelift

By Allyson Crowell
Office of Development and Alumni Affairs

Pat Wert saw the pattern: Children who came to Storm Eye Institute sat in the gray waiting room, separated from adult patients only by a glass partition, and looked anxious. With furniture that dated to the waiting room’s opening more than 25 years earlier, only a few stickers served as an indication of where children could sit. Mrs. Wert wanted to make a gift to Storm Eye in honor of her husband, Bill, who had served as board chairman at Storm Eye Institute until July.

In that dated seating area, she saw an opportunity. “We wanted the waiting room to say, ‘This is for you, and you can have fun,’” Mrs. Wert said. She and her husband made a $20,000 gift to renovate the space with fun paint, durable simulated wood flooring and comfortable, inviting furniture, including some kid-sized stools. Other Storm Eye board members -- Alice and Lance Wyatt, Dianne and Tom Risher, Mary Bradford-White and Lynn White and Kathy and Frank Cassidy – contributed matching funds toward the project. The Bill and Pat Wert Waiting Area would not only transform the gray space but enclose it from the adult waiting room with a marsh grass partition. Storm Eye staff joined in the process immediately. Certified ophthalmic technician Traci Davis spent her free time helping to plan out the new design. “If you ask a parent, they want exams with people who have good equipment, of course,” Davis said. “But if they drove four hours and had a kid cooped up in a car, they also want their kids to have something to do when they get here.”

The Werts’ contribution would inspire a host of other gifts related to the project. Hospital administrators decided to fund an extension of the flooring throughout the waiting area and refresh the paint and upholstery across the space. Other donors offered to stock the space with books and technology. “We had no question about making the gift,” Mr. Wert said. “But it wound up being a seed gift for others to contribute – which is great.” South Carolina Lions District 32A, part of a global organization that works to prevent blindness, held its convention at Storm Eye earlier this year. Rita Spiess, a Lion from Moore, said her group’s visit to the waiting area inspired the Lions to get involved. “We walked in, and there was this one adorable child sitting in a lonely plastic chair with a book,” Spiess said. “It just absolutely broke my heart. I thought, I know we can all do better than this. This is not acceptable for the children. It’s challenging enough that they have a vision problem. But to come to the facility and not have an area where they feel welcome is just terribly sad.” Spiess and fellow members of her local Lions chapter pledged $5,000 to establish the Lions’ Den, a reading nook where patients could check out books written for children with vision impairments, including Arthur’s Eyes and Luna and the Big Blur. Because the Lions wanted children to be able to keep books, they also committed to restocking the inventory at least every year by challenging other Lions groups to contribute. “We will make sure that we continue to donate funds so that books are available for children in need,” Spiess said. “It’s going to make such a difference to children when they’re usually frightened going into the hospital, on top of having a vision problem.”

“To have a fun, welcoming and educational environment will provide such a different atmosphere. That, for me, is what it’s all about.”
Charles Truluck took a 12th grade computer class at age 10. The next year he became an Apple programmer with early access to software updates -- under his parents' names, of course. Now 13, he recently wrote 4,000 lines of website code for a shopping center and operates his own registered corporation. Charles is one of those kids that, within a few minutes of meeting him, you can picture him in 10 years on the cover of Forbes Magazine. But what you wouldn’t guess is that Charles was born with a vision condition that could have changed the course of his life -- and his ability to cultivate his talent. When Charles was just days old, his parents noticed something different about their baby. Charles was diagnosed with nystagmus, a condition in which the eye makes repetitive and uncontrolled movements, thereby compromising his vision. The Trulucks endured a battery of tests to rule out the worst-case scenarios, including a possible brain tumor, before learning that Charles’ condition was hereditary. They tracked down a nystagmus specialist in Ohio to discuss next steps. “It’s devastating when you have a child who is only a few weeks old, and something is wrong,” said Charles’ mother, Ashley Truluck. The specialist offered to perform surgery but said he had to be honest with them: One of the best eye surgeons in the world, Dr. Ed Wilson, worked a mile from their home at Storm Eye Institute. In the waiting room at MUSC on the day of Charles’ first surgery, the Trulucks met people from across the Southeast and as far away as the Middle East. “We realized how blessed and fortunate we are to be here,” Ashley said, “when there were people from all over the world coming here.” When the Trulucks learned this year about the pediatric waiting room upgrade, they wanted to help. Naturally, Charles suggested technology. His parents provided the funds for Storm Eye to purchase a smart TV and three iPads, and Charles donated his time to getting the equipment ready for public use.

“Instead of just sitting there, waiting, kids can spend their time learning in a fun way through technology,” he said.

His mother said the technology should help to make the patient experience less daunting – something that became important to her family early on. “There’s always been a comfort level for us,” Ashley said. “It’s nice to have had one doctor for almost 14 years.” Dr. Wilson and certified ophthalmic technician Traci Davis at MUSC’s Storm Eye Institute have been part of Charles’ life from his earliest days. “Charles is so smart and engaged,” Davis said. “I really liked getting to know his family over the years. You have to be able to accumulate data about a kid, and the more comfortable they are, the more you know -- and the better care you can provide.” Charles’ vision has improved considerably after three surgeries, which also reduced the involuntary motion in his eyes. At a checkup a few weeks ago, his vision had improved enough that he would qualify for a driver’s license – something his mother considers a miracle.

When he isn’t working on apps or helping out with the information technology department at his school, Porter-Gaud, he likes rock climbing. Since he already took the most advanced computer class at school, he teaches himself online these days and hopes to become a full-time app developer or work for Apple one day. Storm Eye could use his help in the meantime. “He’s like our IT guy right now,” Davis said. “Plus, unlike an IT guy saying what he thinks a kid might be interested in, he knows what it’s like here. He knows the population of kids that we have and what they might like.”
Rich Lee joined the Storm Eye Institute as Administrator for the Department of Ophthalmology in July. Rich comes to Storm Eye from the MUSC Department of Medicine where he served as Administrator for the Divisions of Nephrology and Rheumatology with a team over 40 faculty members and an annual budget of $14 million. Previously, Rich served as the Finance Manager for the MUSC Department of Surgery where he managed the financial operations across eight surgical divisions with an annual budget of $30 million. Prior to joining MUSC, Rich worked in the banking industry in various financial and leadership roles.

A native of South Carolina, Rich received his undergraduate degree from Presbyterian College and completed his Masters in Health Administration from MUSC. Rich and his wife, Jessica, live in Mt. Pleasant with their 2 year old daughter and are expecting a baby boy in January.

Rich Lee, MHA

Jennifer Kim, MD has joined Storm Eye Institute as Resident Chief of Service and Instructor in Ophthalmology. Dr. Kim received her undergraduate degree from Brown University and her medical degree from Morehouse School of Medicine in Atlanta. Prior to coming to SEI, Dr. Kim served as the junior and senior chief resident at the end of her ophthalmology residency at Emory University.

Jennifer Kim, MD
Resident Graduation
Storm Eye bid good luck and best wishes to four graduates of the ophthalmology residency program, Tara M. Goecks, MD, Wade A. Reardon, MD, Andrew L. Reynolds, MD and David M. Tremblay, MD. Also honored were the two outgoing pediatric ophthalmology fellows, Jennifer Davidson, MD and Leah Owen, MD.

The graduates were celebrated with a reception and dinner at Alhambra Hall in Mount Pleasant where friends and family were invited to toast to their achievements. Storm Eye Institute is proud of the accomplishments of this impressive class and we wish them the very best of luck on their future endeavors.
Storm Sight Free Clinic

With the start of a new school year comes a new round of excited students and residents who will be their time to the Storm Sight Free Clinic. Organized by the Medical Student Ophthalmology Society (MSOS), the MUSC student interest group in ophthalmology, the clinic serves the uninsured population of Charleston and surrounding areas. This year, we are excited to announce an active partnership with Our Lady of Mercy Outreach on Johns Island to serve as a clinic site, which already include East Cooper Community Outreach in Mt. Pleasant and the Harvest Free Medical Clinic in North Charleston. Each clinic is staffed by approximately a dozen medical students, two to four residents and one or two Storm Eye faculty who graciously volunteer their time. Not only is this a great opportunity for underserved patients to obtain a vision health screening, but the clinic also serves as a strong educational opportunity for students and residents. For many younger residents, the clinic represents the first opportunity to practice independently with minimal oversight from faculty. Likewise, the first and second year medical students are afforded valuable opportunities to interact directly with patients, obtain a focused ophthalmic history, and collect vital signs including visual acuity, pupils, and pressure. This year, Storm Eye Institute Residency Program Director Dr. Matthew Nutaitis and PGY3 resident Dr. Anne Schroeder will be directing faculty and resident participation in the clinic. Medical students Anthony Leonard, Evan Zeldin, and Samuel Feldman are coordinating efforts of MSOS including the medical student volunteers. Our first clinic was on November 7th at the Our Lady of Mercy facility on Johns Island. For any questions about the clinic, including how you can participate, please contact Samuel Feldman at feldmans@musc.edu.

Anthony Leonard, Clinic Director
Evan Zeldin, Clinic Co-coordinator
Samuel Feldman, Clinic Co-coordinator
Welcome New Board Chair

Ruth O. Baker was named Chair of the Storm Eye Advisory Board beginning July 1, 2015.

Ruth Baker is a graduate of Chatham College in Pittsburgh, Pennsylvania. After graduation she was a high school history teacher and curriculum writer in Pittsburgh Public school system for eight years. After a career in teaching, she became a Communications Director for the Greater Pittsburgh Home Builders and Apartment Association. In 1985, Mrs. Baker moved to Charleston and shortly after started Seabrook Exclusives, a villa rental company on Seabrook Island.

Mrs. Baker is active in community organizations on Kiawah and around Charleston. She was the treasurer and fundraising chairperson for the Gibbes, Etc for five years and is currently on the board of the Gibbes Museum of Art. She was a member of the Arts Council at College of Charleston and was on the Antique Symposium Board at the College. She was a former board member of the Charleston Collegiate School and currently serves on the board of Our Lady of Mercy. Mrs. Baker is married to William A. Baker, Jr. who is currently on the MUSC Board of Trustees.

Ruth and her husband, Bill, are residents of Kiawah Island.
Storm Eye welcomes Ruth as the new Chair of the Advisory Board.

Welcome New Board Member

Storm Eye Institute welcomes Mrs. Deborah Kennedy Kennard as the newest member of the Board of Advisors. Mrs. Kennard, her husband the honorable William E. Kennard and their son recently moved to downtown Charleston. Before moving to the Lowcountry, Deborah served as the managing counsel for Mobil Oil Company and her husband former managing director
of the Carlyle Group, was named the first US ambassador to the European Union in 2009. Upon leaving Brussels, the Kennards decided to relocate to Charleston, South Carolina to be closer to Deborah’s mother who resides in the upstate. Deborah became interested in joining the Storm Eye Board through friend and neighbor Ralph Blakely, a long time SEI board member. Deborah is particular interested in Storm Eye’s community outreach and efforts to provide vision screening in community schools. It is a pleasure to welcome Deborah to SEI.

Thank you To Our Past Board Chair

At the May 18 meeting of the Board of Directors, Mr. William G. “Bill” Wert was honored as the outgoing chairman. Bill joined the Storm Eye board in 2006 and was named chairman in 2013. We are grateful to Bill for his years of service to Storm Eye and our community. We thank him for his vision and leadership and for his commitment to our mission.
Envision a Secure Future

What can a Charitable Gift Annuity do for you and vision science?

Through a Charitable Gift Annuity, you can leave a legacy with a gift that gives back. A gift of a CGA will support the MUSC Storm Eye Institute while providing you with income for life. Current rates on savings accounts and CD’s are typically low. Because CGA rates are based on your age, the annual income you receive may better help to secure your future. Additional benefits of CGA’s include:

- Fixed income payments for the rest of your life.
- Permanent income tax savings.
- An immediate income tax deduction.
- Create an indelible impact on vision research and the future of vision science.

<table>
<thead>
<tr>
<th>Age</th>
<th>65</th>
<th>75</th>
<th>80</th>
<th>85</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rate</td>
<td>4.7%</td>
<td>5.8%</td>
<td>6.8%</td>
<td>7.8%</td>
</tr>
</tbody>
</table>

Still have questions?
Catherine Hanhauser, Development Director of Storm Eye Institute, is happy to provide to provide a personal proposal for you. Please contact her at 843-792-5332 or hanhause@musc.edu

WAYS TO GIVE TO STORM EYE INSTITUTE
Cash | Bequests | Retirement assets | Savings bonds | Life insurance | Appreciated stock
Real estate | Payroll deduction (for MUSC employees)

FOR MORE INFORMATION
Catherine Hanhauser | Director of Development
(843) 792-5332 | hanhause@musc.edu
SC Lions Help Researcher Gain NIH Funding

Thanks to pilot research funding from the South Carolina Lions Clubs, Yiannis Koutalos PhD, a professor in the Department of Ophthalmology, recently received funding from the NIH. The National Eye Institute has just awarded Dr. Koutalos and his lab $373,667 for 2 years, from August 2015 – July 2017 for his project titled “Novel Assay of Human Photoreceptor Cell Metabolism”. Dr. Koutalos explained his research in an update to the Lions. “One of the primary causes of vision loss is the death of photoreceptors, the retinal cells responsible for converting light to an electrical signal. We propose to develop a novel assay to measure the metabolic competence of single living photoreceptors isolated from human donor eyes. The assay will be used to evaluate treatments that aim to improve photoreceptor metabolic competence and thereby extend their lifespan and preserve visual function.” Each year the SC Lions support a different member of our research faculty and his or her pilot research with an average annual contribution of $50,000.

Through their initial investment in our research, the SC Lions have helped Storm Eye to achieve millions in dollars of project funding from the National Institutes of Health.
Diabetes is the leading cause of vision loss in working age adults in the United States and worldwide. The condition disproportionately affects disadvantaged and minority populations who lack access to adequate nutrition and health care. The direct cause of vision loss with diabetes is most often attributed to the accumulation of fluid within the tissues at the back of the eye. This condition is called diabetic macular edema (DME) and is resistant to control by taking insulin. Clinical treatments available today are either invasive or carry significant unwanted side effects, such as further loss of vision. Even though the condition is devastating a disease, factors that contribute to its development and resolution are not well understood.

The retinal pigment epithelium (RPE) in the back of the eye has a principal role in maintaining the health of the retina. However, there have not been good systems to test the function of this tissue. With systematic work during the last few years, my laboratory has developed a system and we now know that this tissue is damaged by high levels of blood sugar. The aim of this project is to develop new medications that restore the ability of the RPE to function properly under high blood sugar conditions.

There are permanent alterations to the genetic material, accumulating during the lifetime. This process, which allows quick adaptation to a constantly changing metabolic and pathological environment, is however, also responsible for the chronic complications of high levels of sugar (hyperglycemia). Diabetes is known to modify genes and these changes are not reversed once glycemic control is reestablished. My laboratory has recently found that a compound (trichostatin-A) can prevent the loss of RPE function.

In the next year, our project will be to carry out the basic pharmacological experiments required to determine how this compound limits the functional damage to the eye tissue in hyperglycemic conditions. These studies will utilize our unique experimental models and state-of-the-art ophthalmic imaging infrastructure at the Medical University of South Carolina. These resources (microscopic and mass spectrometry imaging core facilities, native tissue-like primary human cell cultures, Heidelberg Spectralis optical coherence tomograph) are not available elsewhere for these investigations. In the past, the Lions have helped us to acquire these resources and develop this expertise.

Accomplishment of these studies will provide the groundwork for treatment of this serious blinding disorder.
September 04, 2014
Lucian Del Priore, MD
“Advances in Retinal Imaging”

September 11, 2014
Paul White
“Focusing on The Business of Ophthalmology”

September 18, 2014
Charles Proctor, MD
“What’s New in Glaucoma”

September 25, 2014
Millicent Peterseim, MD
“Costa Rica: Experiences in Ophthalmology and Other Good Things”

October 02, 2014
Edward W. Cheeseman, Jr, MD
“Update on Pediatric Glaucoma”

October 09, 2014
M. Edward Wilson, MD
“New Standards in Infantile Cataract Surgery: The Infant Aphakia Treatment Study- 5 Year Results”

October 23, 2014
Richard Saunders, MD
“Changing Face of ROP Management”

January 15, 2015
George O. Waring IV, MD
“Understanding Corneal Collagen Crosslinking: Bench to Bedside”

October 30, 2014
Yiannis Koutalos, PhD
“Metabolic activity of single isolated human rod photoreceptors”

November 06, 2014
Edward Trudo, MD
“Laser Vision Correction of The Young and The Restless”

November 13, 2014
Jeffrey Blice, MD
“Retina Attack”

November 20, 2014
Shahid Hussain, PhD
“Are -opioid-receptor agonists ready for preclinical/clinical trials for glaucoma?”

December 11, 2014
Zsolt Ablonczy, PhD
“Bruch’s membrane: is this the key to AMD?”

December 18, 2014
Jan Kylstra, MD
“Screening for AMD”

January 08, 2015
Derrick Huey, MD
“Radiology of Eye Trauma”
(continued on next page)
January 29, 2015
Lucian Del Priore, MD, PhD
“Stem Cell Transplantation for the Treatment of Retinal Degenerations- Results of a Phase 1 / 2 Trial in Humans”

February 12, 2015
Andrew S. Eiseman, MD
“Diagnostic dilemmas and the treatment of unusual eyelid tumors using complex reconstructive techniques”

February 19, 2015
A. Lee Lewis, MD
“Teaching the Teachers How To Teach”

February 26, 2015
Krzysztof Palczewski, MD
“Chemistry and Biology of Vision” (Case Western Reserve)

March 05, 2015
Barbel Rohrer, PhD
“Mitochondria in retinal degenerative diseases-Therapeutic approaches”

March 12, 2015
KERRISON ENDOWED LECTURE
Henry J Kaplan, MD, FACS
“Cone photoreceptor rescue in Retinitis Pigmentosa”

March 19, 2015
Rupal Trivedi, MD
“Getting Published in Scientific Journals”

March 26, 2015  COOPER ENDOWED LECTURE
Drs. Tongalp & Gulgun Tezel Anti-VEGF Pharmacotherapy: The Devil is in the Details”

April 02, 2015
Kumar Sambamurti, PhD
“Protein homeostasis and retinal protection”

April 09, 2015
Matthew Nutaitis, MD
“The Big Guns for Surgical Glaucoma”

April 16, 2015
Robert Black, OD
Contact Lenses: New designs, New applications

April 23, 2015
Lawrence Yannuzzi, MD
“Central Serous Chorioretinopathy in the Elderly”

April 30, 2015
Lynn Perry, MD
“When a checkup is more than just a checkup - the challenge of general ophthalmology.”

May 21, 2015
Mark Fields, PhD
“Using Human Skin Cells to Regenerate the Retina”

June 04, 2015
Mas Kono, PhD
“Cones”

June 11, 2015
Ernesto Moreira, MD
“Cell differentiation and structural organization of the retina: a dual role of extracellular signaling molecules.”
Storm Eye surgeon restores sight for pediatric patient in Guatemala

By M. Caroline Williams, RN BSN CPAN

Dilma is the only child of Catarina Pablo Godinez, a single mother who lives in a rural highlands village in Guatemala. Dilma’s father left before she was born, and her mother speaks only a Mayan dialect known as Mam. Before Dilma’s bilateral cataract surgeries in January, she had no vision in either eye. The 10-month-old baby could not make eye contact with Catarina and could not see the food that her mother gave her. Because of blindness, Dilma’s developmental level had been very slow to progress, even though she was healthy and had been alert at birth. Catarina noticed the problem with Dilma’s eyes shortly after birth and took Dilma to a doctor but could not afford the surgery. Dilma’s great aunt, Elisa Candelaria Lopez Aguilar, had bilateral cataract surgery with Dr. Gonzolo Cruz at Obras Sociales del Santo Hermano Pedro Hospital after being evaluated at Dr. Cruz’s ophthalmology rural outreach clinic. Elisa encouraged Catarina to bring Dilma to see Dr Cruz. Because Elisa speaks both Spanish and the Mayan dialect, she served as the translator for Catarina. Dr. Cruz diagnosed Dilma with bilateral cataracts and considered her to be a candidate for bilateral cataract surgery. Since general anesthesia and specialized surgical skills would be required, Dilma would need to travel to the Santa Hermano Pedro hospital in Antigua, six hours away by bus. Obras Sociales del Santo Hermano Pedro Hospital provides medical and dental clinics, a laboratory, a pharmacy and a physical therapy department. It also serves as a home to about 300 mentally-challenged and orphaned children and adults of Guatemala. The hospital has four operating rooms that are filled with visiting medical teams that assist full-time staff and provide surgical care for free or a nominal cost. Dr. Gonzolo Cruz is the local ophthalmologist at the hospital and provides eye care and adult cataract surgery to the local population through the John Cheatham Medical Foundation.

(continued on next page)
Every year in January for the past 14 years, Dr. Cruz and his staff welcome MUSC Storm Eye Institute pediatric ophthalmologist Dr. Ed Wilson to their facility. Through the John Cheatham Medical Foundation, Dr. Cruz identifies pediatric patients who are in need of cataract or strabismus surgery (crossed eyes) and cannot afford the procedures. The foundation is a privately-funded nonprofit founded by ophthalmologist Dr. John Cheatham of Athens, Ga., to provide surgical eye care to the poor population of Guatemala. The John Cheatham Medical Foundation provides the children and their families with free transportation, lodging, and surgery each time the MUSC volunteer team arrives.

Dilma, her mother and great aunt traveled to La Antigua on Jan. 18. Dilma was seen and evaluated by Dr. Wilson and his team in the ophthalmology clinic the next day and had her first cataract removed that afternoon. Within 24 hours of her first surgery, Dilma had visually-guided reach. She was tracking her mom’s face, feeding herself and making eye contact with a huge smile for the first time. After watching Dilma laughingly tapping away at the colorful iPad game used to evaluate her vision, her mother and great aunt realized just how well she could see. Catarina’s words translated from Mam to Spanish and then to English were: “I am happy. I think having the surgery will improve her life now that she is starting to see. I thank God that this organization exists, and now she will be able to see.” Dilma had her second cataract removed on Jan 22 and traveled six hours home the next day.

Since 2002, Dr. Wilson and his team of MUSC nurses and Storm Eye Institute pediatric ophthalmology fellows have performed more than 1,300 sight-saving surgeries on children at Obras Sociales del Santo Hermano Pedro Hospital, thanks to support from the MUSC Foundation and the John Cheatham Medical Foundation. In 2016, Dr. Wilson and Dr. Stacy Kruger, a former SEI fellow, will take their surgical teams to Guatemala, in January and July, to operate on blind children for the 15th consecutive year.
Thank You for Your Kindness

Storm Eye Institute relies on the generosity of the many individuals, foundations and organizations that provide us with philanthropic support. We are pleased to share this list of donors from July 1, 2014 - June 30, 2015. We hope that next year we may add your name to the list.

Abbott Fund
Mr. and Mrs. Jeff Addison
Mr. Gerald Addison
Aiken Mid-day Lions Club
Alcon Laboratories, Inc.
Mr. and Mrs. Thomas J. Alexander
Mr. and Mrs. Andrew M. Allen
Mr. and Mrs. Jack L. Allen
Ms. Mary Brigid Allen
Ms. Mary L. Allen
Allsafe Storage, LLC
Mr. Kenneth Amidon
Mr. Josh Ammons
Ampersand Designing Group, LLC
Mr. and Mrs. Harvey W. Anderson
Anderson Lions Club
Mr. and Mrs. Julius J. Anderson, Jr.
Mr. and Mrs. John Argus
Mr. David Armstrong
Ms. Sarah L. Arnett
Mrs. Terry Arnette
Mr. James A. Atkinson
Aynor Lions Club
Mrs. Vicki Baber
Mr. and Mrs. Robert C. Bailey
Ms. Genetha Baines
Mr. and Mrs. Manning A. Bair
Ms. Deborah Baker
Mr. and Mrs. William A. Baker, Jr.
Ms. Eve G. Balding
Ms. Anna Ballard
Mr. Maxie L. Ballenger
Mr. Charles Barbee
Mr. Don Baxley
Ms. Terri Bearden
Beaufort Lions Club
Ms. Katrina H. Becker
Cmdr. Stephen Bedard
Mr. and Mrs. Walker C. E. Beddoes
Lion E. Stacey Beeler
Mr. Michael Beich
Mr. and Mrs. Kirk R. Beilke
Dr. Charles J. Beischel
Mr. Daniel Bellack
Mr. William F. Bendt
Ms. Bertha Bennett
Mr. Oliver Bennett
Ms. Charlene Benson
Berea Lions Club
Mr. Alan M. Berendt
Mr. and Mrs. Stephen H. Berman
Ms. Rebecca Beyer
Mr. and Mrs. J. D. Biel
Mr. Louis Bilardo
Mr. and Mrs. Richard A. Bilas
Ms. Sandra C. Billeaud
Ms. Ella M. Bird
Mr. Richard J. Bischoff
Ms. Lois J. Blackmon
Ms. Sarah Beard Blackmon
Ms. Carla Blackwell
Mr. Ralph E. Blakely
Mr. David Blauch
Ms. Patrici Bledsoe
Dr. and Mrs. Jeffrey Blice
Mr. Frederick Blumberg
Mrs. Joy L. Boatwright
Ms. Theresa Bogaenko
Mr. Douglas Booth
Mr. Robby Borden
Mr. and Mrs. Albert J. Borelli
Ms. Lynn Bosco
Lt. Col. (Ret) George H. Boucher
Mrs. Mary M. Bouliy
Mr. and Mrs. Ted Bourne
Ms. Ethelmae Boyd
Ms. Janet F. Boyd
Mr. Jared T. Boyd
Mr. Shermel Boyd
Mr. Eric B. Boyer
Ms. Cindy S. Brabham
Ms. Mary Bradford-White and Mr. Lynn White
Ms. Thelma Breland
Ms. Harriet Bright
Ms. Wilhelmina Bright
Brightfocus Foundation
Ms. Alisa Brill
Mr. William M. Broadwell, Jr.
Ms. Martha Brock
Ms. Janora Broderick
Mr. and Mrs. Emmett F. Brooks
Ms. Betty Broughton
Ms. Carmella Brown
Ms. Caroline Brown
Mr. and Mrs. J. E. Brown
Mr. and Mrs. David A. Brown
Ms. Deloris Brown
Ms. Jessica Brown
Ms. Lavakia Brown
Ms. Loretta Brown
Ms. Lou Brown
Ms. Lula Brown
Ms. Rosalee Brown
Ms. Shirley K. Brown
Mr. Isaiah Buist
Mr. Andrew C. Bullions
Mr. and Mrs. O. Jack Bunce
Ms. Irene Burr
Ms. Kenna Burt
Ms. Nancy Butler
Mr. Robert Butler
Ms. Jennifer Button
Ms. Stephanie Cagle
Dr. and Mrs. William Cain, Jr.
Ms. Kathy G. Calhoun
Mrs. Tracy Cali
Ms. Kaye Callicutt
Mr. Kenneth Calvary
Camden Lions Club
Ms. Mary E. Cameron
Mr. Johnathan Campbell
Mr. Paul Campbell
Ms. Yolanda Campbell
Mr. H. W. Capell
Mrs. Brady Carlson
Mr. and Mrs. Thomas W. Carr
Mr. Michael Carr
Mr. and Mrs. Christopher G. Carsten
Ms. Judy Carter
Mr. and Mrs. Robert B. Carter
Mr. and Mrs. William T. Casey
Mr. Michael Cashwell
Mr. Christopher M. Cassidy
Mr. and Mrs. Frank Cassidy
Ms. Dorothy M. Cattle
Mr. Teddy Caulder
Mr. Julio Chalela
Ms. Jessie Chambers
Mr. John H. Chaplin
Charleston Lions Club
Charleston Riverdogs
Mr. and Mrs. Charles E. Chasteen
Mr. Larry C. Chaous
Dr. and Mrs. Edward W. Cheese-man, Jr.
Ms. Patricia Chen
Ms. Amber E. Cheslak
Chesterfield Lions Club
Mrs. Stefanie Christensen
Ms. Barbara S. Christie
Christie Family Foundation, Inc.
Mr. Roy M. Christie
Jessie Ciorra
Mr. Leigh Cladakis
Ms. Marie Clark
Mr. Thomas Clarke
Ms. Brenda E. Cleveland
Ms. Edith Coakley
Ms. Rosa Coakley
Mr. Lawrence Coard
Ms. Johannah Coaxum
Mr. and Mrs. Joseph B. Cocke
Ms. Evelyn Coffman
Ms. Ruth Collins
Lt. Col. and Mrs. Albert E. Combs
Ms. Phyllis Connor
Mr. and Mrs. Robert C. Constantine
Conway Lioness Club
Conway Lions Club
Ms. Janice Cook
Mr. R. Peter Cooke
Mr. and Mrs. David L. Croll
Mr. and Mrs. Robert D. Cromer
Mr. Isaiah Crosby
Mr. and Mrs. Fred Corbett
Mr. and Mrs. Ralph L. Costa
Ms. Elizabeth Cottingham
Cowpens Lions Club
Ms. Emily Cox
Nicole Craft
Mr. and Mrs. Timothy N. Dangerfield
Mr. Nevin Daniel
Mr. John Daoust
Darlington Lions Club
Dr. Jennifer D. Davidson
Mr. and Mrs. W. Richard Edwards
Dr. and Mrs. Andrew S. Eiseman
Ms. Audrey Epps
Mrs. Ann C. Epstein
Ms. Anne B. Evans
ExxonMobil Foundation
Ms. Barbara Falkenstein
Mr. James A. Fant
Mr. and Mrs. Edward C. Farr
Mrs. Theodora L. Feldberg
Ms. Luz M. Fernandez
Mr. and Mrs. Ira Edwin Few
FirstString Research, Inc.
Mr. and Mrs. Brian E. Flewelling
Florence Evening Lions Club
Mr. and Mrs. William J. Forbes
Fort Mill Lions Club
The Foundation Fighting Blindness
Funderburk Insurance Agency
Mr. and Mrs. Andrew S. Furman
Gaffney Lions Club
Dr. and Mrs. Fulton J. Gasper
General Electric Foundation
Mr. Charles George
Georgetown Lions Club
Ms. Roberta Gifford
Mr. Carl Gilliard
GlaxoSmithKline Foundation
Ms. Jennifer Godwin
Ms. Judith Goldsmith
Mr. and Mrs. Joseph E. Goletz
Dr. Jie Gong
Great Falls Lions Club
Mr. and Mrs. Clarendon L. Graham
Mrs. Lisa L. Graves
Great Falls Lions Club
Ms. Margie Green
Dr. and Mrs. William R. Green
Greenville West End Lions Club
Greenwood Lions Club
Mr. and Mrs. Joel R. Griffin, Jr.
Mr. Sheldon Dobkin
Mr. Arthur Doctor
Mr. and Mrs. Robert A. Dolson
The Rev. and Mrs. David C. Dority
Mr. and Mrs. Herbert P. Dove, Jr.
Mr. Isaac Drayton
Ms. Linda J. Droze
Mr. and Mrs. John A. Dufour
Mr. and Mrs. L.B. Dukes
Mr. and Mrs. Eugene F. Duncan
Ms. Leah Dupree
Ms. Jacqueline Durr
Mr. Ralph Dweck
Easley Lions Club
Edisto Island Lions Club
Mrs. Beverlye W. Edwards
Ms. Sarah H. Edwards
Mr. and Mrs. W. Richard Edwards
Dr. and Mrs. Andrew S. Eiseman
Ms. Audrey Epps
Mrs. Ann C. Epstein
Ms. Anne B. Evans
ExxonMobil Foundation
Ms. Barbara Falkenstein
Mr. James A. Fant
Mr. and Mrs. Edward C. Farr
Mrs. Theodora L. Feldberg
Ms. Luz M. Fernandez
Mr. and Mrs. Ira Edwin Few
FirstString Research, Inc.
Mr. and Mrs. Brian E. Flewelling
Florence Evening Lions Club
Mr. and Mrs. William J. Forbes
Fort Mill Lions Club
The Foundation Fighting Blindness
Funderburk Insurance Agency
Mr. and Mrs. Andrew S. Furman
Gaffney Lions Club
Dr. and Mrs. Fulton J. Gasper
General Electric Foundation
Mr. Charles George
Georgetown Lions Club
Ms. Roberta Gifford
Mr. Carl Gilliard
GlaxoSmithKline Foundation
Ms. Jennifer Godwin
Ms. Judith Goldsmith
Mr. and Mrs. Joseph E. Goletz
Dr. Jie Gong
Great Falls Lions Club
Mr. and Mrs. Clarendon L. Graham
Mrs. Lisa L. Graves
Great Falls Lions Club
Ms. Margie Green
Dr. and Mrs. William R. Green
Greenville West End Lions Club
Greenwood Lions Club
Mr. and Mrs. Joel R. Griffin, Jr.
Mr. and Mrs. Roger A. F. Habisreutinger
Ms. Janet J. Hall
Mr. Donald E. Hancock
Mr. and Mrs. Martin E. Hanhauser
Mr. and Mrs. John H. Harken
Hartsville Lions Club
Dr. Joyce Haskell
Mr. and Mrs. Thomas E. Hayden
Mr. George Hewitt
Mr. William B. Hewitt
Ms. Mary Higgins
Ms. R. Kathy Higgins
Ms. Jeanne Hill
Col. and Mrs. Robert G. Hill, Retired
Hilton Head Noon Lions Club
Ms. Kelly Holl
Holly Hills Lions Club
Mr. and Mrs. Ronald G. Houck
Mr. Charles E. Housand, Sr.
Mr. Elwood G. Housand
Mr. and Mrs. Benjamin F. Howell, Jr.
Mr. and Mrs. Andrew B. Hoxie
Mr. and Mrs. Thomas Hudson
Ms. Stacia Huger
Ms. and Mrs. James L. Huntley
Mr. Joseph E. Hutto
Inman Lions Club
Mr. and Mrs. Laurence M. Iwan
Ms. Lattice Jackson
Mr. and Mrs. Daniel L. Jacobs
Mr. and Mrs. Frederick Barbosa
Mr. and Mrs. Andrew B. Hoxie
Ms. Caroline C. Lesesne
Mr. and Mrs. William L. Lewis
Liberty Lions Club
Dr. and Mrs. Peter E. Liggett
Ms. Mary Linning
Lions Club of Santee
Lions Club of Sun City-Oktatie
Mr. and Mrs. Henry B. Little
Mr. and Mrs. Jerry K. Livingston
Ms. Beverly J. Long
The Lyman Family Foundation
Ms. Mary MacBain
Ms. Mary Madison
Dr. and Mrs. George N. Magrath
III
Mr. and Mrs. William T. Majors
Ms. Mary Manigault
Dr. Franklin G. Mason
Dr. Thomas R. Mather
Mathews Lions Club
Ms. Margie Matthews
Ms. Linda L. Mayrand
Mr. Thomas Mcauliffe
McBee Lions Club
Mr. and Mrs. R. Earl McCombs
Dr. and Mrs. Paul J. McDermott
Mr. Jeffrey McEntire
Mr. and Mrs. Andrew McKenna
Mr. Steven D. McSwain
Mr. and Mrs. Roger F. Meyer
Mr. and Mrs. Wayne Mickiewicz
Middle Tyger Area Lions Club
Ms. Thelma Miller
Ms. Emily Mingledorff
Miraflex
Mr. William Mitchell
Moncks Corner Lions Club
Dr. Ernesto Moreira
Ms. Janice Morreale
Ms. Dawn T. Morris
Mr. Roger Morrow
Mr. Lawrence H. Moser
Mr. Kenneth Mossi
Mullins Lions Club
MUSC Physicians
Myrtle Beach Lions Club
Mr. and Mrs. Benjamin W. Navarro
Mr. Phillip Nelson
Network for Good
Newberry Lions Club
North Augusta Lions Club
North Charleston Lions Club
North Myrtle Beach Lions Club
Mr. Darren Nosal
Mr. Karl E. Novak
Dr. and Mrs. Matthew J. Nutaitis
Mr. George F. O'Brien III
Mr. Alan Obstler
Obstler Family Limited Partnership
Olanta Lions Club
Ms. Elflorence Oliver
Mr. Joseph Orlando
Pacolet Lions Club
Ms. Anne V. Padgett
Ms. Mary P. Padgett
Mr. and Mrs. Mark L. Painter
Mr. and Mrs. Jeffrey J. Palker
Mr. and Mrs. James A. Palmer
Ms. Nancy Paluch
Pamplico Lions Club
Mr. Charles Parker
Mr. and Mrs. Lenwood Pate
Mr. and Mrs. Jay D. Patel
Mr. Montague A. Peace III
Mrs. Peggy L. Peek
Ms. Mary Pendarvis
Ms. Judy Peper
Mr. Elijah Perkins
Ms. Patricia Peters
Drs. David and Millicent Petersen
Ms. Joe-Helen H. Peterson
Ms. Susan Peto
Dr. Robert E. Peyser
Dr. Robert Wilson and Ms. Shawn Phillips
Piedmont Lions Club
Ms. Patricia B. Pierce
Mr. Fernando Pinelo
Mr. and Mrs. Richard A. Pinkerton, Jr.
Ms. Colette M. Pittman
Drs. Joseph I. and Diane J. Pitts
Mr. Carl T. Platts, Sr.
Ms. Anna Ponds
Ms. Dorothy Porcher
Ms. Melanie Poston
Ms. Cathy Powell
Mr. and Mrs. Gerald Prazak
Mr. and Mrs. Richard J. Pressly
Ms. Deborah G. Price
Mr. and Mrs. G. Milton Price
Ms. Penny Price
Ms. Bertha Pritchett
The Procter & Gamble Fund
Mr. and Mrs. Cecil W. Pulley
Mr. and Mrs. Donald W. Rumber
Mr. Ronald Rush
Mr. J. Carroll Rushing
Mr. James Sadler
Salem Lions Club
Mr. and Mrs. Gregory T. Sanders
Sapir Family Revocable Trust
Mr. and Mrs. Ari Sapir
Drs. Richard A. and Anne L. Saunders
SC State Society, Southern Dames of America
Mr. and Mrs. N. Eugene S. Scarborough, Jr.
Mr. and Mrs. Joseph L. Schady
Ms. Cynthia Schirmer
Mr. Terry Schroder
Mr. Allan L. Schultz
Schwab Charitable Fund
Mr. Leonard Scott
Ms. Mary G. Scott
Dr. and Mrs. Richard L. Segal
Mr. William Semmes
Mr. Robert A. Shaffer
Mr. and Mrs. Walt A. Shannon
Mr. Gary Shealy
Mr. Frank J. Sheheen, Jr.
Sherman Financial Group
Mr. and Mrs. Robert Shimp
Mr. Herbert Shine
Mrs. Patricia L. Shoemsmith
Ms. Anushka Shrivastava
Mr. and Mrs. Ronald K. Sibley
Mr. Harry Z. Silsby
Mr. Anthony Simmons
Mrs. Gladys B. Simmons
Mr. Guy Simmons
Mr. Carlton Simons, Jr.
Ms. Mary R. Simons
Ms. Leah Reynolds
Ms. Corrie Richardson
Ms. Shirley Richardson
Mr. Joe Riley
Mr. and Mrs. Samuel P. Riley
Mr. Harold B. Risher
Mr. and Mrs. Francis G. Risher, Sr.
Ms. Carol L. Rivers
Mr. and Mrs. R. W. Rivers
Ms. Mildred L. Roane
Ms. Debbie Robertson
Ms. Candice Robinson
Mr. Jessie Robinson
Ms. Louise Robinson
Ms. Debra Rogers
Dr. Baerbel M. Rohrer
Mr. and Mrs. Bertil W. Rolander
Mr. Clinton Roper
Mr. George Roper
Ms. Juanita Roper
Mr. and Mrs. Samuel I. Rosen
Mr. William Rowan
Ms. Mary H. Rowe
Mr. and Mrs. Donald W. Rumer
Mr. Ronald Rush
Mr. J. Carroll Rushing
Mr. James Sadler
Salem Lions Club
Mr. and Mrs. Gregory T. Sanders
Sapir Family Revocable Trust
Mr. and Mrs. Ari Sapir
Drs. Richard A. and Anne L. Saunders
SC State Society, Southern Dames of America
Mr. and Mrs. N. Eugene S. Scarborough, Jr.
Mr. and Mrs. Joseph L. Schady
Ms. Cynthia Schirmer
Mr. Terry Schroder
Mr. Allan L. Schultz
Schwab Charitable Fund
Mr. Leonard Scott
Ms. Mary G. Scott
Dr. and Mrs. Richard L. Segal
Mr. William Semmes
Mr. Robert A. Shaffer
Mr. and Mrs. Walt A. Shannon
Mr. Gary Shealy
Mr. Frank J. Sheheen, Jr.
Sherman Financial Group
Mr. and Mrs. Robert Shimp
Mr. Herbert Shine
Mrs. Patricia L. Shoemsmith
Ms. Anushka Shrivastava
Mr. and Mrs. Ronald K. Sibley
Mr. Harry Z. Silsby
Mr. Anthony Simmons
Mrs. Gladys B. Simmons
Mr. Guy Simmons
Mr. Carlton Simons, Jr.
Ms. Mary R. Simons
<table>
<thead>
<tr>
<th>Name</th>
<th>Name</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ms. Anna D. Singletary</td>
<td>Ms. Jacqueline R. Tepper</td>
<td>Ms. Alma S. Williams</td>
</tr>
<tr>
<td>Ms. Hester Singleton</td>
<td>Ms. Sandra Terrill</td>
<td>Ms. Clemence W. Williams</td>
</tr>
<tr>
<td>Ms. Dara A. Sinor</td>
<td>Mr. Thomas W. Thomas</td>
<td>Ms. Mary C. Williams</td>
</tr>
<tr>
<td>Ms. Mary Sirisky</td>
<td>Mrs. Andrea W. Thompson</td>
<td>Ms. Patti Williams</td>
</tr>
<tr>
<td>Six Mile Lions Club</td>
<td>Mr. and Mrs. Fletcher D. Thompson</td>
<td>Mr. and Mrs. Robert L. Williamson</td>
</tr>
<tr>
<td>Dr. and Mrs. Eric Skoog</td>
<td>Mr. and Mrs. Joe B. Thompson</td>
<td>Mr. Edward Willis, Sr.</td>
</tr>
<tr>
<td>Mr. and Mrs. Maynard W. Slack</td>
<td>Ms. Michelle Thompson</td>
<td>Dr. and Mrs. M. Edward Wilson, Jr.</td>
</tr>
<tr>
<td>Slater-Marietta Lions Club</td>
<td>Mr. and Mrs. John H. Tiller</td>
<td>Mr. and Mrs. Horst F. Winker</td>
</tr>
<tr>
<td>Mr. Mark Sloan</td>
<td>Mr. Willie Tillman</td>
<td>Winnsboro Lions Club</td>
</tr>
<tr>
<td>Ms. Tiffany Small</td>
<td>Mr. Roger H. Timpson</td>
<td>Mr. and Mrs. Mark Wolfe</td>
</tr>
<tr>
<td>Mrs. Anna M. Smalls</td>
<td>Mr. Cleophes Tindal</td>
<td>Mr. and Mrs. Carlton Woodard</td>
</tr>
<tr>
<td>Ms. Arthurree Smalls</td>
<td>Mr. and Mrs. Fred L. Tindall</td>
<td>Mr. David Wragg</td>
</tr>
<tr>
<td>Ms. Doris Smalls</td>
<td>Mr. and Mrs. Edward L. Towe</td>
<td>Ms. Emma Wright</td>
</tr>
<tr>
<td>Mr. Edward A. Smalls, Sr.</td>
<td>The Trailer Shop</td>
<td>Mr. Wayne Wright</td>
</tr>
<tr>
<td>Mr. Emily Smalls</td>
<td>Travelers Rest Lions Club</td>
<td>Ms. Gloria Wring</td>
</tr>
<tr>
<td>Mr. and Mrs. Charles Smalls</td>
<td>Ms. Monica Travis</td>
<td>Mr. and Mrs. Lance B. Wyatt</td>
</tr>
<tr>
<td>Ms. Mary Smalls</td>
<td>Mr. and Mrs. William R. Trippe III</td>
<td>Henry and Sylvia Yaschik Foundation, Inc.</td>
</tr>
<tr>
<td>Mr. Nathaniel Smalls</td>
<td>Mr. Rupal H. Trivedi</td>
<td>York Lions Club</td>
</tr>
<tr>
<td>Ms. Theodoisa Smalls</td>
<td>Mr. and Mrs. Craig Troublefield</td>
<td>Ms. Mary Young</td>
</tr>
<tr>
<td>Mr. and Mrs. James R. Smith</td>
<td>Mrs. Myrtle Tumbleston</td>
<td>Mr. and Mrs. John A. Zeman</td>
</tr>
<tr>
<td>Mr. Kenneth Smith</td>
<td>Ms. Diane T. Turnley</td>
<td>Ms. Sophia C. Zimmermann</td>
</tr>
<tr>
<td>Ms. Mattie L. Smith</td>
<td>Mr. James Tuttle</td>
<td></td>
</tr>
<tr>
<td>Mrs. Naomi C. Smith</td>
<td>Dr. and Mrs. Jason P. Ulm</td>
<td></td>
</tr>
<tr>
<td>Ms. Patricia Smith</td>
<td>Union Lions Club</td>
<td></td>
</tr>
<tr>
<td>Mr. Ronald Smith</td>
<td>Mr. and Mrs. Frank L. Van Leer, Jr.</td>
<td></td>
</tr>
<tr>
<td>Mrs. Minnie Smith-Craigie</td>
<td>Mr. and Mrs. James D. Varn</td>
<td></td>
</tr>
<tr>
<td>Society Hill Lions Club</td>
<td>Ms. Mary Frances Veeck</td>
<td></td>
</tr>
<tr>
<td>South Carolina Lions Multiple District 32</td>
<td>Mr. and Mrs. Michael Veeck</td>
<td></td>
</tr>
<tr>
<td>Southcoast Community Bank</td>
<td>Mr. Harold Vickery</td>
<td></td>
</tr>
<tr>
<td>Spartanburg Evening Lions Club</td>
<td>Mr. and Mrs. Eric Vincent</td>
<td></td>
</tr>
<tr>
<td>Spartanburg Lions Club</td>
<td>Mr. Valdis Vipulis</td>
<td></td>
</tr>
<tr>
<td>Spartanburg Southside Lions Club</td>
<td>Mr. and Mrs. John M. Volkhardt</td>
<td></td>
</tr>
<tr>
<td>Mr. and Mrs. William R. Spearman</td>
<td>Ms. Bruce T. Waddey</td>
<td></td>
</tr>
<tr>
<td>Dr. and Mrs. Eugene Spiess</td>
<td>Ms. Marie Walden</td>
<td></td>
</tr>
<tr>
<td>Mr. Michael J. Sprankle</td>
<td>Walhalla Lions Club</td>
<td></td>
</tr>
<tr>
<td>Mr. and Mrs. Wayne V. Spreitzer</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ms. Blair Sprunger</td>
<td>Mr. Kenneth Walker</td>
<td></td>
</tr>
<tr>
<td>Mr. and Mrs. Wayne V. Spreitzer</td>
<td>Mrs. Mary Alice Walker</td>
<td></td>
</tr>
<tr>
<td>Ms. Blaire Sprunger</td>
<td>Mr. and Mrs. John L. Walker</td>
<td></td>
</tr>
<tr>
<td>Mr. and Mrs. Thomas E. Starnick</td>
<td>Mr. and Mrs. David G. Wallace</td>
<td></td>
</tr>
<tr>
<td>Mr. Albert K. Stebbins III</td>
<td>Ms. English Walpole</td>
<td></td>
</tr>
<tr>
<td>Ms. Alberta Steed</td>
<td>Mr. and Mrs. Dennis M. Ward, Sr.</td>
<td></td>
</tr>
<tr>
<td>Col. John B. Steele</td>
<td>Mr. and Mrs. John P. Ward</td>
<td></td>
</tr>
<tr>
<td>Mrs. Billie S. Stein</td>
<td>Dr. George O. Waring IV and Dr. Karoline M. Rocha</td>
<td></td>
</tr>
<tr>
<td>Mr. and Mrs. Howard M. Sternlieb</td>
<td>Mr. Jacob Warren</td>
<td></td>
</tr>
<tr>
<td>Mr. David Stevens</td>
<td>Mr. and Mrs. David L. Washington, Sr.</td>
<td></td>
</tr>
<tr>
<td>Mrs. Ellen W. Stevens</td>
<td>Mr. Maurice Washington</td>
<td></td>
</tr>
<tr>
<td>Ms. Alma Steward</td>
<td>Mr. and Mrs. Howell N. Watson, Jr.</td>
<td></td>
</tr>
<tr>
<td>Ms. Caroline Stone</td>
<td>Mr. Timothy J. Weaver</td>
<td></td>
</tr>
<tr>
<td>Mr. and Mrs. Thomas H. Stone</td>
<td>Ms. Rosella Webster</td>
<td></td>
</tr>
<tr>
<td>Ms. Margaret Stoney</td>
<td>Ms. Heather Weikel</td>
<td></td>
</tr>
<tr>
<td>Ms. Joyce Straub</td>
<td>Mrs. Anne M. Weiner</td>
<td></td>
</tr>
<tr>
<td>Mr. William S. Stuhr</td>
<td>Ms. Barbara Werner</td>
<td></td>
</tr>
<tr>
<td>Mr. Cyrus Sturkey</td>
<td>Mr. and Mrs. William G. Wert</td>
<td></td>
</tr>
<tr>
<td>Mr. Frank Suggs</td>
<td>Mr. and Mrs. K. Deryl Wessinger</td>
<td></td>
</tr>
<tr>
<td>Summerville Evening Lions Club</td>
<td>Ms. Shirley Whack</td>
<td></td>
</tr>
<tr>
<td>Sumter Lions Club</td>
<td>Ms. Amy K. Wharton</td>
<td></td>
</tr>
<tr>
<td>Swansea Lions Club</td>
<td>Ms. Beatrice W. White</td>
<td></td>
</tr>
<tr>
<td>Mr. Kevin Sweeney</td>
<td>Mr. Kenneth D. White</td>
<td></td>
</tr>
<tr>
<td>Ms. Suzanne R. Tarver</td>
<td>Ms. Rosa White</td>
<td></td>
</tr>
<tr>
<td>Team Industries, Inc.</td>
<td>Mr. Walter R. White, Jr.</td>
<td></td>
</tr>
<tr>
<td>Tega Cay Lions Club</td>
<td>Ms. Beverly Whitney</td>
<td></td>
</tr>
<tr>
<td>Mr. and Mrs. Robert E. Templeton</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HONOR ROLL</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
COME AND SEE US

STORM EYE INSTITUTE | DOWNTOWN
167 Ashley Avenue | Charleston, SC 29425

STORM EYE INSTITUTE | EAST COOPER
735 Johnnie Dodds Boulevard | Suite 102
Mount Pleasant, SC 29464

STORM EYE INSTITUTE | GOOSE CREEK
Crowfield Professional Center | 7 South Alliance Drive
Suite 101A | Goose Creek, SC 29445

STORM EYE INSTITUTE | MAGILL VISION CENTER
735 Johnnie Dodds Boulevard | Suite 101
Mount Pleasant, SC 29464

PHILANTHROPY
Catherine Hanhauser, Director of Development
Phone: (843) 792-5332 | Email: hanhause@musc.edu

ALUMNI RELATIONS
Ashton Finley, Development & Alumni Coordinator
Phone: (843) 792-3040 | Email: finleyas@musc.edu

IMPORTANT STORM EYE INSTITUTE CONTACT INFORMATION
Learn more about the Institute at www.muschealth.org/eyes
APPOINTMENTS
Appointment Scheduling: (843) 792-8100
Toll free: (800) 894-3513

For past issues of Eye to Eye Newsletter, go to:
http://www.muschealth.org/eyes/resources/eyetoeye.htm