Dear Friends,

It is a magnificent building. The light filters into our reception areas and meeting rooms. The clinics, operating rooms, and laboratories are spacious and filled with the most advanced equipment. Art graces every wall and, outside, a beautiful garden provides visitors with a restful place for reflection.

As much as we delight in the design of the newest medical facility on campus, the Brehm Tower, its power lies inside. It is the people and the programs that will make a difference in the lives of our patients. And so this year’s Annual Report shares both the celebration and the great promise of the expanded W.K. Kellogg Eye Center.

Dedication photos feature the people at the heart of our endeavor: friends, alumni, patients, donors, faculty, and staff who made this building and the Department’s bright future possible. You’ll see leaders of the University and Health System, as well as internationally known leaders in ophthalmology, many of whom traveled the globe to join us for a special symposium to share their clinical experiences. The theme that echoed through each event, Dedicated to Discovery, is our blueprint for the future.

We begin by welcoming 13 new faculty members. In the fall, a team of scientists and clinicians joined the Department, bringing with them an innovative research program targeting diabetic eye disease. These faculty will work closely with other colleagues who study diabetic retinopathy and retinal regeneration. They will also collaborate with Brehm Center scientists who seek a cure for diabetes and with scientists across the medical campus who study the neurological and renal complications of the disease. These powerful collaborations are sure to yield new treatments for our patients suffering from the complications of diabetes.

Another faculty recruit has joined the Department to establish a comprehensive ocular oncology service. This new service draws both on our faculty with many years’ experience in managing ocular tumors, as well as oncologists in Michigan’s Comprehensive Cancer Center. With this growing multidisciplinary service, we can help many more patients across the country who need the specialty care they will receive in our new clinic.

There is much more. Our residents and fellows will benefit from training in this high-tech facility. With added faculty in pediatric ophthalmology, we can provide advanced treatment to many more children who suffer from eye disease. A new Low Vision Skills Center will help individuals with impaired vision maintain their independence. And all of our patients will enjoy comfortable and spacious surroundings as they visit some of the finest ophthalmologists in the nation.

We are more optimistic than ever that the W.K. Kellogg Eye Center—thanks to the talented people within—will lead the next breakthroughs in vision science. With deep gratitude to our many friends and supporters, we remain dedicated to our patients and to the discoveries that will give them the best possible vision, allowing them to lead rich and independent lives.

Paul R. Lichter, M.D.
F. Bruce Fralick Professor and Chair
University of Michigan
Department of Ophthalmology and Visual Sciences
Director, W.K. Kellogg Eye Center
New building sets stage for “hope and possibility” as growing faculty pursues more effective treatments and cures for eye disease

A crowd filled the seats and lined the walls of a sprawling tent set up to celebrate the dedication of the Brehm Tower at the W.K. Kellogg Eye Center in April. From the podium behind a row of colorful tulips, University President Mary Sue Coleman reminded everyone why they were there. She quoted W.K. Kellogg, who, blinded by glaucoma late in life, once said, “I would give all my money just to see the sun and green grass again.”

“It is that simple desire to see the world,” President Coleman said, “that drives our students, our faculty and staff, and the generous donors who support the constant quest for answers at the Kellogg Eye Center.”

Leading ophthalmologists from around the world joined University leaders and the Kellogg Eye Center’s friends, faculty, and staff as President Coleman, Kellogg Eye Center Director Paul R. Lichter, M.D., and Bill and Dee Brehm cut the ceremonial ribbon. The Brehms have launched a diabetes research center which makes its home in the new building.

Dedication events included the ceremony, a reception and tours of the new building, a dinner for ophthalmologists from across the state and region, an Ann Arbor Symphony Orchestra concert, and a dedication dinner honoring supporters of the Eye Center’s expansion campaign.

Dr. Lichter expressed his thanks to guests attending the celebration. “You have given us so much support,” he said, “and we will deliver for you in the years ahead.”

Krista Anderson, Ph.D., spoke at the dedication dinner, recalling her family’s three generations of vision care at the University of Michigan and the “amazing advances in medicine” they’ve experienced. “Tonight is a time when I can smile and share the gratitude in my heart for Kellogg and the top-notch professionals who work here,” Dr. Anderson said. “To me, Kellogg has always been and will always be a place of hope and possibility.”
Dedicated to Discovery

More than 700 guests gathered to dedicate and celebrate the new W.K. Kellogg Eye Center.

President Mary Sue Coleman spoke of her hopes for research to cure diabetes and eye disease.

Dorrit Jensen and Larry Miller just before the ceremony begins.

Guests proceed to the Dedication ceremony alongside banners created for the event.
Students from the U-M School of Music perform “Our Michigan,” written by Bill Brehm.

Paul Sieving, M.D., Ph.D., Director of the National Eye Institute.

Congressman John D. Dingell with his wife, Debbie, and the Reverend C. Parker Wright.
President Mary Sue Coleman, Dee and Bill Brehm, and Paul Lichter, M.D., cut the ceremonial ribbon. Keynote speaker Gail Wilensky, Ph.D., an economist and senior fellow at Project HOPE, stands at left.

Dean James Wooliscroft, Douglas Strong, M.B.A., CEO, U-M Hospitals and Health Centers, and Department Chair Paul Lichter, M.D., at the Dedication reception.

Jim Thompson and Mary Ann Brandt, friends of the Kellogg Eye Center.
James McHale, Chief of Staff and Senior Vice President for Programs, W.K. Kellogg Foundation, spoke at the Dedication dinner.

Krista Anderson, Ph.D., with her daughter, Zoe, and father, Bruce Oliver, described advances in eye care that helped her family.

Brian Campbell, Martha Bloom, and Allen Lichter, M.D. Dr. Lichter served as Dean of the Medical School when the expansion project was initiated.
Friends of the Kellogg Eye Center gave more than $36 million to expand our facility and our research programs during a 10-year fund-raising campaign that culminated with the dedication of the new building. Several hundred of those supporters toasted one another and took a celebratory look at the future at a dinner in the atrium of the Biomedical Science Research Building.

Remarks were given by contributor Leonard G. Miller and James E. McHale, Senior Vice President for Programs at the W.K. Kellogg Foundation. Bruce Oliver and Krista Anderson, Ph.D., also took the stage to share their story of overcoming their family’s vision difficulties. Alumnus W. Scott Wilkinson, M.D., ended the evening with a song he wrote about philanthropy and working together to make the world a better place. His theme: Planting shade trees under which you know you’ll never sit.
Dee and Bill Brehm are recognized for their foresight and generosity in creating the Brehm Center for Diabetes Research, which is housed in the building named for them.

Carol Bradford, M.D., Chair of Otolaryngology.

Kristen Del Monte and Elizabeth Stieg, Executive Director of the Carls Foundation, at the dinner celebrating friends and donors of the Eye Center.
Thomas G. Varbedian, M.D., and Darlene Eagle.

Helmut Stern, longtime friend of the Department, with Michael Staebler.
Alfred Sommer, M.D., M.H.S., gave the Fralick Lecture and Joan Miller, M.D., was a guest lecturer at Spring Conference. Michael Mesaros, M.D., and Linferd Linabery, M.D., were among the ophthalmologists attending the symposium.
The Kellogg Eye Center welcomed 20 leading ophthalmologists from across the nation and around the world to Ann Arbor for a scientific symposium marking the historical occasion of our expansion. Among the distinguished guest faculty were the director of the National Eye Institute, deans and department chairs, and at least one entrepreneur turned corporate officer. The speakers drew on their experience to provide insight into both common and unexpected clinical problems. Alfred Sommer, M.D., M.H.S., Dean Emeritus and Professor of Epidemiology, Ophthalmology, and International Health at Johns Hopkins University’s Bloomberg School of Public Health, gave the F. Bruce Fralick Lecture on his work to improve international mortality rates and health through the study of vitamin A deficiencies. “I don’t think I’ve ever been to a meeting where so many luminaries in the field have been together in one spot,” commented Michael Smith-Wheelock, M.D., Assistant Professor of Ophthalmology and Visual Sciences, during the symposium. “It is incredibly exciting and wonderful to be a part of it.”
REACHING OUT:  
Community Events

To honor the collaborative spirit of vision care in Michigan, we invited ophthalmologists from across the state and region to join us for a special dinner. Held at the University of Michigan Museum of Art, the event offered an opportunity to thank our partners and commemorate the dedication of a building that will benefit all ophthalmologists and their patients. To celebrate with and thank the broader community for the important role it plays in the success of our programs, the Kellogg Eye Center also sponsored a performance of the Ann Arbor Symphony Orchestra. Called “Musical Portraits,” the evening featured pieces that recall the meaningful connection between sight and sound.
DeDicateD to Discovery

National Eye Institute Director Paul Sieving, M.D., Ph.D., with faculty member James Adams, M.D.

Alfred Sommer, M.D., M.H.S., Jill Sommer, Carolyn Lichter, and Paul Lichter, M.D., at the dinner celebrating guest speakers and ophthalmologists who practice in the region.

Paul Lichter, M.D., at right, with Ann Arbor Symphony Orchestra conductor Arie Lipsky and executive director Mary Steffek Blaske.
As Chair of the Community Advisory Board for the Eye Center’s expansion campaign, Helmut F. Stern played a crucial role in the project’s success. To celebrate his generosity, a garden linking the two buildings that form the W.K. Kellogg Eye Center was dedicated in his honor on September 24, 2010. Brian P. Campbell warmly saluted his longtime friend at the event, and Mr. Stern related the joy that being involved in the University brings him. Insite Design planned the garden to serve as both an entrance to the world-class Eye Center and to engage patients’ senses of sight, sound, and smell, said landscape architect Shannan Gibb-Randall. The sculpture incorporated in the garden’s water feature, entitled “Gathered Sounds,” stems from visual elements created in response to sounds in nature, explained Ann Arbor artist Anne Kirby Rubin.
Paul Lichter, M.D., and Helmut Stern.

Artist Anne Kirby Rubin discusses her sculpture “Gathered Sounds” with alumna Martha Wright, M.D.

Brian Campbell, Mary Campbell, Helmut Stern, and Candis Stern.
• A nine-member research team has joined Kellogg, bringing with them new ways of thinking about diabetes-related eye disease. They are working with other Kellogg basic scientists and with our new colleagues at the Brehm Center for Diabetes Research to seek new treatments and cures for diabetes and its complications.

• A new service, the Orbital and Ocular Oncology Service, has been established under the direction of Hakan Demirci, M.D. One of a few such services in the country, Kellogg’s will expand treatment offerings and provide comprehensive, coordinated, and compassionate care to our patients with eye cancer.

• Three new faculty members have joined our highly regarded Pediatric Ophthalmology Service, enabling us to serve many more children with eye problems.

• Faculty recruited during the past year are well on their way to establishing the Kellogg Eye Center as a nationally known research and treatment center for Graves’ eye disease. They also attend to the aesthetic concerns of these and other patients.

• The next generation of ophthalmologists, our residents and fellows, are delighted to train in one of the newest and most advanced eye centers in the country.

The themes that echoed through the building campaign are now a reality. The building would allow us to recruit new faculty, expand research efforts, and bring advanced eye care to many more patients. Now it is all happening right before our very eyes.
Realizing the Promise

The new Kellogg Eye Center opens its doors to new patient services and expanded research programs.
“A guiding principle for each of us is that the results of basic research should be used to help patients now.”

—Thomas W. Gardner, M.D., M.S.
New Perspectives on Vision Research

Collaboration is the key as Kellogg’s newest research team drives toward treatment for diabetic eye disease

It was not an easy decision for three senior scientists and another six associates to move their research program to the University of Michigan Kellogg Eye Center. But as Thomas W. Gardner, M.D., M.S., describes it, the pieces fell into place as the team began to see that Michigan offered a welcoming culture where scientists embraced collaboration and the unique style of inquiry that is at the heart of their work on diabetic retinopathy.

Dr. Gardner, along with Steven F. Abcouwer, Ph.D., and David A. Antonetti, Ph.D., is part of a dynamic team whose goal is to understand how diabetes inflicts damage on the retina and then to use their findings to develop better treatments for the disease. Says Dr. Gardner, “A guiding principle for each of us is that the results of basic research should be used to help patients now.”

The challenge is formidable. Today diabetes affects nearly 24 million people, and another 57 million have pre-diabetes. By 2050, one in three Americans will have diabetes, according to a new report from the Centers for Disease Control. Scientists at the Kellogg Eye Center are driven by the knowledge that diabetes-related eye disease is the leading cause of irreversible blindness among adults.

Diabetes affects the blood vessels in the eye, resulting in observable changes characterizing a condition known as diabetic retinopathy. The blood vessels become leaky, leading to retinal swelling, and eventually produce fragile, brush-like branches and scar tissue. The result is blurred or distorted vision that can lead to blindness if not promptly treated.

Forming new points of view

Because damage to the blood vessels figures so prominently in diabetic retinopathy, many scientists focus their research solely on the vasculature of the eye. Dr. Gardner and his team prefer, instead, to talk in terms of the “whole retina:” the neurons that form vision by sending light converted into electrochemical signals to the brain; glial cells that support the metabolism of the neurons and perform immune functions; and the system of blood vessels that are the most visible signs of the disease.

Dr. Gardner sees patients in Kellogg’s Retina Clinic and conducts clinical trials as well as directing a research laboratory. He investigates changes in the retina’s neural tissue and the features of diabetic retinopathy that cause neurons to die. That perspective allows new strategies to surface. “When you view diabetic retinopathy as a neuro-degenerative disease, you begin to see that other classes of drugs could be effective in combating it,” says Dr. Gardner.

One example is doxycycline, a drug also being tested for Parkinson’s disease. After promising results in animal models, Dr. Gardner and his team initiated a clinical trial to see whether the drug could reduce the loss of vision in individuals with diabetic retinopathy. Results from the study are expected in less than two years.
Another promising treatment model is emerging from Dr. Antonetti’s laboratory. He has discovered a small drug inhibitor that blocks a protein well known to scientists—vascular endothelial growth factor or VEGF. This protein weakens the blood–retina barrier, a tightly sealed structure that protects the retina. The discovery of the inhibitor came from Dr. Antonetti’s study of mechanisms involved in the formation and breakdown of this important barrier. Now his lab is engaged in “medicinal chemistry,” fine-tuning the drug candidate in hopes of moving it toward clinical testing.

A third tack comes from Dr. Abcouwer’s lab, with its focus on the role of glial cells in diabetic retinopathy. Glia help maintain the well-being of other retinal cells. Innate immune cells called microglia constantly monitor the retinal environment, extending arm-like projections into the neural tissue and vasculature that his colleagues study. “These cells undergo distinct changes during the course of the disease, but it is not clear whether the changes are beneficial or detrimental,” he says.

The three investigators pursue their own areas of specialty, but they are a fluid group, pairing up in various combinations to launch promising new projects.

“The glue that holds us together is our common interest in the disease, despite our different perspectives,” observes Dr. Antonetti.

How will this approach play out at Kellogg? Very smoothly, the scientists agree. “Kellogg has a strong group of basic scientists exploring retinal degeneration and regeneration, the same kinds of problems we are investigating,” says Dr. Gardner. Then we have a major diabetes research program in the same building. Dr. Gardner had just returned from a meeting with the Brehm Coalition, scientists who employ the kind of broad-based inquiry that is familiar to his team. And finally, says Dr. Gardner, we have people at Michigan who are experts in the other complications of diabetes. “Michigan has a unique blend of talent that you would be hard pressed to find almost anywhere else.”

Not surprisingly, the promise of collaboration among diabetes researchers was a frequent theme during the building campaign. Department Chair Paul R. Lichter, M.D., who recruited the team from Penn State University, saw the possibilities early on. “It stands to reason that this critical mass of world-class scientists is sure to discover new ways to fight the devastating ocular complications of diabetes.”
Ava was just two days old and still in the hospital when doctors noticed her cloudy corneas. They immediately suspected childhood glaucoma. It is a rare disease—occurring in just one out of every 10,000 births in the United States—so Ava was quickly referred to the pediatric eye specialists at the University of Michigan Kellogg Eye Center.

In childhood glaucoma, the pressure inside the eye is elevated. If not treated early, this pressure can damage the optic nerve and cause irreversible vision loss.

On day three of her young life, Ava and her mother, Jenny, traveled from Kalamazoo to Kellogg to see Sudha Nallasamy, M.D., an assistant professor on the Pediatric Ophthalmology and Adult Strabismus Service.

Dr. Nallasamy examined Ava and found many signs of childhood glaucoma—cloudy corneas, elevated pressures, and asymmetrically enlarged corneas. To confirm the diagnosis, Dr. Nallasamy scheduled an examination under anesthesia for the next day, with the possibility of surgery.

Dr. Nallasamy performed a surgical procedure, called a trabeculotomy, on both eyes. An opening is created in the eye’s impaired drainage channel, allowing fluid to properly flow out of the eye and thus relieve pressure. This procedure can successfully treat childhood glaucoma roughly 80 percent of the time.

“After multiple follow-up appointments, Ava’s pressure has stabilized and her vision is developmentally appropriate,” says Dr. Nallasamy. “But, she still needs careful follow-up to be sure her eye pressure remains controlled.”

“We understand what we have to do from here, but we’re just so thankful the problem was caught and treated early,” says Ava’s mother.

“This was our first experience with Kellogg and we’re so happy with the outcome,” she adds. “Dr. Nallasamy has given Ava great personal care, calling to check on her several times after the surgery. After all we’ve been through, we’ve learned what a great place Kellogg is and how nice it is to have such a superb eye center nearby.”

Ava is the first child in her family and her mother was overwhelmed by the thought of her newborn undergoing surgery. Dr. Nallasamy calmed her fears and explained that moving forward with surgery was the best option for treating the glaucoma and saving her baby’s vision. As Ava’s mother observed, “Dr. Nallasamy was very patient and answered all of our questions.”

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Ava, held by her mother, was four days old when Dr. Nallasamy confirmed a diagnosis of glaucoma.
“After all we’ve been through, we’ve learned what a great place Kellogg is and how nice it is to have such a superb eye center nearby.”
“With new gene expression profiling tests, we’ll be better able to plan treatments that may prevent the spread of cancer for certain patients.”

—Hakan Demirci, M.D.
Expanding Services for Patients with Eye Cancer

Creating a wide network of specialists and eliminating the hassle

The most common type of primary eye cancer, uveal melanoma, affects a relatively small number of people, fewer than 2,500 in the U.S. each year. But an uncommon disease creates other complications. Many patients will need to travel a considerable distance to find an expert in ocular oncology.

As director of Kellogg’s new Orbital and Ocular Oncology Service, Hakan Demirci, M.D., is determined to ease the way for his patients, helping them navigate a large and often confusing health system. “Once patients find our clinic, we quickly connect them with specialists who can provide the best care possible.”

Dr. Demirci, associate professor of ophthalmology and a member of the U-M Comprehensive Cancer Center, is formalizing a network of specialists to streamline his patients’ care. His starting point is this department, where he has immediate access to experienced physicians specializing in pediatric ophthalmology, oculoplastics, and tumors affecting the cornea, iris, retina, and orbit.

In addition, Dr. Demirci has established close ties with oncologists at Michigan’s Comprehensive Cancer Center, enabling him to consult with specialists in radiology, melanoma, radiation oncology, and pediatric oncology. These connections assure that patients receive multidisciplinary care, careful monitoring of their condition, and a wide range of treatment options.

With another team of oncology specialists, Dr. Demirci is evaluating a new treatment for retinoblastoma, a life-threatening cancer affecting young children. Intra-arterial chemotherapy delivers medication directly to the tumor via a catheter placed in the artery that feeds the eye. This targeted treatment, available in only a few medical centers, shows promise for increasing control of the tumor while reducing systemic side effects that occur with traditional chemotherapy. “We are carefully assessing the dose and type of agents used in the treatment, as well as cases in which it can be used safely and effectively,” says Dr. Demirci.

Thanks to advances in ocular oncology genetics, Dr. Demirci is providing his patients with genetic testing that can assess the risk of metastasis in uveal melanoma. “With new gene expression profiling tests, we’ll be better able to plan treatments that may prevent the spread of cancer for these patients,” he says.

Dr. Demirci’s new post marks a homecoming. He completed an eye plastic fellowship at Kellogg in 2006 with Christine C. Nelson, M.D., now chief of the service; Victor M. Elner, M.D., Ph.D.; and the late Bartley R. Frueh, M.D. He also completed a fellowship in ocular oncology and worked at the Wills Eye Institute in Philadelphia.

While Dr. Demirci is enthusiastic about advances in treatment, he is well aware of his patients’ most basic need—to receive excellent care without confusion. “Our doctors and staff will help patients with whatever they need—from arranging appointments at the hospital to hotel reservations. We want to simplify their experience and keep their focus on healing,” he says. “It’s the least we can do for our patients.”
“Simply put, we have the best optics available in our new ORs.”

—Michael W. Smith-Wheelock, M.D.
A Good Trip to the OR

New surgical floor offers comfort and cutting-edge technology

Patients who come to the University of Michigan Kellogg Eye Center for surgery will partake in a whole new experience when they visit our new surgical floor. The first thing patients will notice is the spacious waiting area, set in calming soft tones with great views of the medical campus and surrounding nature areas and featuring a large screen digital television, two Internet-connected computers and free Wi-Fi access. The most impressive aspects of the new surgical floor, however, are beyond the waiting area and behind the scenes.

Kellogg’s new operating rooms are the first in the world to feature the Zeiss OPMI Lumera 700 ceiling-mounted surgical microscope, a cutting-edge microscope that we have fitted with high-definition cameras that can transmit images to video-feed screens throughout the building. “Simply put, we have the best optics available in our new ORs,” says Michael W. Smith-Wheelock, M.D. For patients, this can improve their surgical outcome and, for residents, this can improve their learning.

“The new microscopes are great,” says Co-Chief Resident Anna Momont, M.D. “We have the best views possible, which is important when you’re doing cataract surgery. And our new ability to tape surgical cases in HD provides a tremendous teaching tool.”

The Wilkinson Family Surgery Observation Suite adjoining one of the new operating rooms also enhances surgical training. This room allows fellows, residents, medical students and technicians to observe the whole range of surgical cases.

“With the exception of the observation room, each operating room is identical so they are all used equally,” explains Carol George, R.N. “And each room is equipped with the same supplies and instruments, which are now sterilized on-site instead of being sent to the University Hospital. All this helps us function so much more efficiently.”

All the operating rooms feature an integrated communications technology system that posts real-time surgery updates. “For the first time, we have our OR schedules available on large monitors, which helps maintain an efficient patient flow and also allows us to keep patients and their families updated on the progress of their family member’s procedure,” says Dr. Smith-Wheelock.

The new surgical area also has made it easier to care for patients before and after surgery. The new pre-op and post-op areas are larger and better organized. Nurses are better able to track the status of patients and patients have more privacy. These areas are welcoming, with comfortable, custom-made beds and artwork featuring scenes throughout the state of Michigan. A new consultation room allows Kellogg surgeons to talk privately to patients and their families.

The on-site pharmacy is another example of the exceptional design of the surgical floor. It is staffed by a full-time registered pharmacist and stocks most of the ophthalmic medications prescribed by our surgeons. Patients now have the convenience of picking up their prescriptions before leaving the building.

When thinking about the opening of the new operating rooms, Ms. George says, “We used to do such great work in a small place so I’m excited to see what’s on the horizon for us in this spectacular new space.”
“When I couldn’t read, I felt like I was losing everything.”

—Mrs. Gragg
Patients with Severely Reduced Vision Find a Few New Tools Make All the Difference

For more than 20 years, Clara Gragg worked as a teacher in her community’s Head Start program, helping preschoolers develop reading skills. So, when Mrs. Gragg began to struggle with her own reading, she turned to the University of Michigan Kellogg Eye Center for help.

“When I couldn’t read, I felt like I was losing everything,” says Mrs. Gragg, 89, who suffers from glaucoma and cataracts, as well as diabetes. As her vision worsened, it was retina specialist David N. Zacks, M.D., Ph.D., who referred her to Kellogg’s Low Vision Clinic.

The expanded Low Vision and Visual Rehabilitation Clinic has two new centers—the Technology Center and the Independent Living Skills Center—to help patients learn to use optical aids and other devices that make the most of their vision. Our optometrists and occupational therapist also teach patients to use aids that help with daily activities, from reading to financial management.

“Our expanded clinic is working well for us,” says occupational therapist Karen Murphy, O.T.R. “We have wonderful new equipment and a lot of space for our patients to come in and use it. Our Living Skills Center provides a very realistic environment in which to train our patients on how to function in their own homes.”

Mrs. Gragg began working with Ms. Murphy in this clinic and then arranged to have the occupational therapist come to her home. This was where she learned to make reading easier using various magnifiers and a closed-circuit television. Ms. Murphy also made lighting and safety recommendations in the home, adapted her cooking areas, and introduced Mrs. Gragg to useful tools such as large-print checks for paying her bills.

One area where Mrs. Gragg struggled, however, was medication management for her diabetes. When her daughter, Estella Gragg-Carson, stopped by for a visit, she immediately knew something was wrong. She discovered that her mother had been having trouble measuring her insulin. Soon thereafter, Mrs. Gragg was hospitalized with dangerously high blood sugar levels. Upon discharge, she and her daughter met with Ms. Murphy to come up with a better plan for handling medications.

Ms. Gragg-Carson is very involved in her mother’s care and now visits every Saturday to set up all her medications for the week. Most important, though, Ms. Murphy recommended that Mrs. Gragg use a talking glucose meter to help her keep her blood sugar in check.

Mrs. Gragg remains active and independent. While she does have in-home care twice each week, she attends church every Sunday and walks almost every day. Thanks to help from Ms. Murphy, she pays her bills, manages her low vision devices, and checks out books on tape from the Washtenaw Library for the Blind and Physically Disabled.

“When you have a disability, you need to accept it,” says Mrs. Gragg. “It just makes everything worse if you try to resist it.” While the loss of vision has been difficult, Ms. Gragg-Carson credits the Low Vision Clinic for opening so many doors to help her mother maintain her independence.

“Everyone at Kellogg is very courteous, considerate, and compassionate toward my mother and I feel very comfortable knowing she’s receiving the best care,” says Ms. Gragg-Carson.
Videos from these residents can be seen on our website. Clockwise from top, Eric Schneider, M.D., Anna Momont, M.D., Benjamin Kramer, M.D., Dolly Padovani-Claudio, M.D., Ph.D.
When the new building opened its doors last April, patients weren’t the only ones to notice big changes. Residents, fellows, and medical students also found themselves in a new environment with extraordinary possibilities for education.

Residency Director Shahzad I. Mian, M.D. was quick to cite the educational benefits of the new building. “More space has allowed us to recruit many more faculty members, which means that the residents interact with more clinicians and scientists,” he said. The variety of individuals from whom our residents can learn—in the clinics, the ORs and, during their research rotations, the laboratories—has increased substantially. The building has also allowed us to establish new programs, like our expanded Ocular Oncology program. “This program,” says Dr. Mian, “automatically enhances teaching because it is a fabulous opportunity that residents can get at just a few other places.”

More faculty, of course, also means more opportunities for residents to perform surgery. Last year, for example, operating time for pediatric surgery was limited to one day. Now, with a larger pediatric ophthalmology team, our residents get more surgery time and have the chance to interact with a larger variety of physicians in the clinic.

According to second-year resident Eric Schneider, M.D., “The expanded clinical space has dramatically improved the training experience. The space is both larger and better integrated, allowing residents to see a greater number of patients as well as confer more easily with other subspecialists.” The new building also has enhanced equipment. “Many exam rooms are equipped with slit lamp cameras,” notes Dr. Schneider. “This means that all trainees—medical students, residents, and fellows—can appreciate a particular patient’s clinical findings simultaneously in real-time, allowing for great case discussions.” In addition, each of the operating rooms is equipped with recording equipment, special microscopes, large monitors to allow residents to view the surgery from the observation room, and special cameras that are mounted in the overhead lights. According to Dr. Mian, “the fact that all operating rooms have the same equipment gives greater flexibility in coordinating surgical cases between the various subspecialties. This is a tremendous benefit.”

The design and beauty of the new building also helps us to recruit residents and fellows. “Our building really stands out,” says Dr. Schneider. “No one’s going to forget Kellogg once they’ve been here.”

Dr. Mian sums it all up: “The difference is simply amazing. The building is light, the colors are warm, there is beautiful artwork in every corridor. It’s wonderful for morale. We love to come to work here. Anyone can see that this building design is not opulent; all the space is well utilized. The building is true to who we are as a culture.”
Two new professorships provide junior faculty with important research support

Families, friends, and colleagues came from across campus and across the country to help two faculty members celebrate their installation into newly established career development professorships this fall. Special ceremonies honored the generosity of both the Edward T. and Ellen K. Dryer Charitable Foundation and of Helmut F. Stern and recognized the achievements and the potential of Grant M. Comer, M.D., and Alon Kahana, M.D., Ph.D.

“I am deeply honored,” said Dr. Kahana, who was named the first Stern Professor. “A career development professorship supports a junior faculty member at the beginning of his or her career, when resources are desperately needed and hard to come by. It’s a tribute to Mr. Stern and to the Dryer Foundation that they had the foresight to make these investments.”

In accepting a medal commemorating the inauguration of the Helmut F. Stern Career Development Professorship, Mr. Stern, an Ann Arbor businessman and philanthropist, remarked that he appreciated the opportunity to participate in the intellectual life of the university. “Support of worthwhile causes is as essential as our daily bread,” he said.

Mr. Stern grew up in Germany and settled in Ann Arbor in 1942, where he served as president of Industrial Tectonics and later as president of Arcanum Corporation. A longtime supporter of the mission of the Kellogg Eye Center, he served as Chairman of the Community Advisory Board for the recent expansion campaign. He has generously contributed to research and educational endeavors over the years, including the work of Dr. Kahana.

Dr. Kahana is a member of the Eye Plastic, Orbital and Facial Cosmetic Surgery Service at Kellogg. The professorship will help him expand his research on the biology and development of the extraocular muscles.
surrounding the eye as well as neural crest-derived stem cells in the orbit. His work could help improve care in orbital cancer, craniofacial syndromes, congenital eye disorders, and thyroid-related eye disease.

“Alon is an energetic collaborator,” said Christine C. Nelson, M.D., Professor of Ophthalmology and Visual Sciences, as she introduced Dr. Kahana. “He wants to involve other people in his ideas, and he is generous in sharing his projects and his time. Alon works with scientists here and across campus to further his research and help others make progress as well. And he works with our faculty and with physicians across campus to make sure his patients have the most effective care.”

Dryer Foundation trustees Lisa M. and Jon B. Gandelot and Judith L. and Joseph A. Drobot, Jr., are pleased that Dr. Comer, as the first Dryer Professor, will broaden his patient education and research efforts, especially in the area of clinical trials. The Dryers, who lived in Detroit and who passed away within months of each other in 2001, established the foundation through their estate plans in part to help individuals battling eye disease.

Mr. Dryer, an international banking executive, was struck by blindness in the middle of his career. Let go by his employer because of his condition, he created his own opportunities for success. He kept in touch with colleagues and made his living by investing in the stock market. Mrs. Dryer was an advertising pioneer who served as W.B. Doner & Company’s first female media director. When she came home from work in the evening, she read her husband the stock reports. Mr. Dryer also urged large publicly traded companies to put their annual reports on audio tapes so that he and others could listen to them. The Dryer Foundation continues to honor their goals.

“This valuable award will provide the opportunity to diminish vision loss by developing a number of clinical research studies based at Kellogg”

—Grant M. Comer, M.D.
“I appreciate the Eye Center’s focus on preventing eye disease, and I would like to see even more children benefit, as I did, in future years.”

—Timothy Wadhams
A Winning Vision

Timothy and Laurie G. Wadhams honor Dr. Harold Falls

Vibrant artwork, a stimulating play center, and a tank full of brightly colored fish welcome children to their eye appointments—and to the Harold F. Falls Pediatric Reception Area.

Harold F. Falls, M.D., was an ophthalmologist renowned for his early contributions to the field of genetics. He devoted his career to building a rich collection of family histories of eye disease. He also cared for many children.

One of them was Timothy Wadhams, who today is CEO of Masco, a Taylor, Michigan-based company that is one of the world’s largest manufacturers of home improvement and building products. Mr. Wadhams was treated by Dr. Falls for strabismus as a child, and he and his wife, Laurie, this year made a generous pledge of support to the Kellogg Eye Center to honor Dr. Falls.

“I had five or six surgeries before I entered elementary school and two later on, and the successful outcomes made a big difference for me,” Mr. Wadhams says. “I had a pretty severe case of strabismus, and Dr. Falls mentioned to my parents that I most likely would have difficulty with hand-eye coordination and limitations in the types of activities that I would be able to participate in.”

After the surgeries, however, he not only participated in a variety of youth sports, he played football and basketball at Ann Arbor High School and played football for four years at the University of Michigan. “Dr. Falls’ ability helped me both cosmetically and functionally, allowing me to enjoy success in athletics, which were a huge part of my youth,” he says.

Mr. Wadhams, who earned a bachelor’s degree in economics and a master’s degree in business administration at U-M, has maintained close ties to the University over the years, including serving on the Community Advisory Board for the Kellogg Eye Center’s expansion campaign. “I appreciate the Eye Center’s focus on preventing eye disease, and I would like to see even more children benefit, as I did, in future years,” he says.

Dr. Falls, who passed away in 2006, is still fondly remembered by many patients and colleagues. “Many experts consider Dr. Falls to be the founder of medical genetics in this country,” says Paul R. Lichter, M.D., Chair of the Department of Ophthalmology and Visual Sciences. “He had profound insights into medical genetics in the early 1940s, well ahead of his peers in any medical field. His colleagues in ophthalmology regard him as the undisputed master of clinical genetics in ophthalmology.”

Dr. Falls completed his medical education and a residency in ophthalmology at the University of Michigan. In 1941 he helped to establish the U-M Heredity Clinic, widely recognized as the first such clinic in the nation. He retired as a professor of ophthalmology in 1975. Dr. Falls held numerous leadership positions in local, state, and national medical associations.

“I recall Dr. Falls as a thoughtful, gentle man with a good sense of humor,” Mr. Wadhams says. “I was always very comfortable with him and felt that he was truly interested in me as a person. As I look back, I feel very fortunate to have had such outstanding care. Sometimes when we are young, we tend to focus on our own problems and their implications. As you experience life, you realize that everybody has challenges and issues and you come to appreciate the advancements in science and technology to address those challenges. Laurie and I are pleased to be able to help the Eye Center and to recognize Dr. Falls.”
The Harold F. Falls Pediatric Reception Area is part of the Carls Pediatric Ophthalmology Clinic at the Kellogg Eye Center, which was named in honor of the late Detroit industrialist William Carls through a generous contribution by his foundation.

Such named spaces are a special part of the expanded Eye Center facility and are facilitated through gifts that support capital projects as well as research programs. Other spaces named in honor of individuals include:

**Brehm Tower.** The addition to the Kellogg Eye Center is named the Brehm Tower for William and Delores Brehm. The building also houses the Brehm Center for Diabetes Research on the fifth and six floors. The Brehms’ goal is to find a cure for type 1 diabetes, which Dee Brehm has coped with for more than 60 years. Bill Brehm is chairman emeritus of SRA International.

**Lynn H. & Robert W. Browne Glaucoma Reception Area.** The Brownes supported our growth through a gift to the new building. Dr. Browne earned his undergraduate degree as well as advanced degrees in dentistry and orthodontics at U-M. He is CEO of Trust Investment Management Corporation.

**John F. & Casilda Daly Retina Reception Area.** Mr. and Mrs. Daly made a significant gift to the new building. A member of the expansion campaign’s Community Advisory Board, Mr. Daly was CEO of Hoover Universal and vice chairman of Johnson Controls.

**Ida Lucy Iacobucci Orthoptic Clinic.** Miss Ida has served on the faculty for more than 52 years, working with children and adults to overcome conditions that affect eye movement and eye muscles.

**Richard & Jane Manoogian Lobby.** The Manoogians provided strong support for the expansion campaign. Richard Manoogian is executive chairman of Masco Corp.

**The Leonard G. Miller Comprehensive Ophthalmology Clinic and the Leonard G. Miller Microscopy Suites.** Mr. Miller supported the expansion and purchased important microscopy equipment for the department that is helping research move forward in exciting ways. Mr. Miller was a founding partner of Molmec, Inc., a major supplier of molded plastic components for the automotive industry.
Harold “Red” & Marian Poling Lobby. Mr. and Mrs. Poling were early contributors to the new building campaign and have supported research efforts as well. Mr. Poling is retired Chairman and CEO of Ford Motor Company.

Helmut F. Stern Garden. Mr. Stern served as Chair of the Community Advisory Board for the expansion campaign, and he supports numerous other projects. He was president of Industrial Tectonics and of Arcanum Corporation.

The Robert & Ellen Thompson Vision Research Conference Center. The Thompsons made an early, important gift to the new building campaign. Mr. Thompson founded the Thompson Foundation after selling the Thompson-McCully Company, Michigan’s largest asphalt paving firm.

The Harry A. & Margaret D. Towsley Foundation Ophthalmic Photography Center. The Towsley Foundation, which has a long history supporting the Eye Center, helped fund our efforts to establish a new state-of-the-art ophthalmic photography center.

Rachel Mary Upjohn Lobby. The lobby on the first floor is named for a wonderful supporter and her grandmother, who shared the name Rachel Mary Upjohn. Later known as Mary Meader, the granddaughter of William E. Upjohn, and her husband, Edwin Meader, for years helped spur the growth of the Kellogg Eye Center’s programs and facilities. Mr. Meader was a military intelligence professional and Mrs. Meader was an adventurer who took the first aerial photos of Africa.

Wilkinson Family Surgery Observation Suite. Mary June Wilkinson, along with her late husband, William C. Wilkinson, M.D., an alumnus, made the very first gift to the Eye Center expansion project. Their son, W. Scott Wilkinson, M.D., also an alumnus, and his wife, Jill, support the Eye Center as well.

We also gratefully acknowledge the friends of the Eye Center who have named examination rooms, specialty service rooms, and laboratory areas as well as all of the donors who contributed to our expansion campaign and continue to support our mission.
On February 16th we lost a friend and colleague when Bartley R. Frueh, M.D., passed away. He was the founder of our oculoplastic service as well as our oculoplastic fellowship program. When Dr. Frueh was asked to form this subspecialty service in 1979, the field was relatively new and the plastic surgeons in the hospital resisted the notion that others were qualified to perform plastic surgery. However, with both tenacity and patience, Dr. Frueh was able to convince them that oculoplastic surgery had its own particular set of complexities that ophthalmologists could best resolve. Within a few years, our service was growing and the plastic surgeons had become colleagues who called upon Dr. Frueh for his expertise when they were faced with surgeries involving the eye.

Dr. Frueh also established an accredited Eye Plastic, Orbital and Facial Cosmetic Surgery fellowship program, one of the first in the country. It has since become one of the finest. From the very beginning, Dr. Frueh strongly emphasized research and the consequence is that this service today is arguably the most active in the country in terms of basic research. The ophthalmologists in this two-year fellowship are expected to be active participants in research, publishing papers with faculty and submitting abstracts to national meetings.

Recognized for his particular expertise in Graves’ eye disease and eyelid function, Dr. Frueh was called upon to give lectures around the country and was honored to give the American Society of Ophthalmic Plastic and Reconstructive Surgery’s prestigious Wendell L. Hughes Lecture in 1993 and the Kellogg Eye Center’s F. Bruce Fralick Lecture in 2003. He published over 100 peer-reviewed articles in his field.

Dr. Frueh was also known for his many life-long interests outside of medicine, among them Roman history and archaeology, coin collecting, rebuilding antique automobiles, and woodworking. When he retired last year, he and his wife, Cheryl, traveled extensively, including several visits with friends and colleagues in Australia, where Dr. Frueh had taken two sabbaticals. The Fruehs also participated in an archaeological dig outside Rome. Yet he also found the time to continue to see patients here at the Kellogg Eye Center.

The walls inside his clinic display a special tribute to Dr. Frueh. During his retirement he had become immersed in the study of Chinese calligraphy. He painted many beautiful scrolls, several of which are exhibited on the third floor of the Brehm Tower at the Kellogg Eye Center.

Dr. Frueh’s parents taught him to value education. To honor them, Dr. and Mrs. Frueh established the Lloyd and Virginia Frueh Research Professorship in Eye Plastic and Orbital Surgery at the University of Michigan. Dr. Frueh had a tremendous influence on the growth of our oculoplastic service, on our residents and fellows, and on his colleagues and friends. We miss him.
Alumni and Friends Lend Support to a New Collegiate Professorship

Collegiate professorships are among the greatest honors we can bestow on a faculty member. They are named for individuals who made substantial and distinguished contributions while at Michigan. A longtime faculty member and former director of the Residency Program, Dr. Terry Bergstrom’s most enduring legacy is as an educator. He has trained more than 200 ophthalmology residents and fellows and has taught thousands of medical students.

Alumnus W. Scott Wilkinson, M.D. says “His unique combination of encouragement, clear thinking, and the occasional velvet brick to the forehead helped us all to develop confidence in our technical skills and, more importantly, sound clinical judgment.”

Our goal is to inaugurate the professorship at a special event during Spring Conference. The following individuals are helping make that possible through their generous gifts and pledges.

$50,000 and above
Kenneth H. (R ’69) Musson and Patricia Musson
Michael (R ’82) and Karen Pachtman

$25,000 to $49,999
Jason M. Burgett, M.D. (R ’97)
Scott M. Corin (R ’87) and Nina Blumenthal
Dr. and Mrs. Gary Haynie (R ’91)
David (R ’66) and Jayne VerLee

$15,000 to $24,999
Amjad Z. Ahmad, M.D. (R ’98, F ’00)
Richard (R ’87) and Lisa Garfinkel
David S. Hemmings, M.D. (R ’98)
Richard L. (R ’88, F ’89) and Kay E. Watinick
W. Scott Wilkinson (R ’89)

$10,000 to $14,999
Anthony (R ’89) and Mary Adamis
Keith D. (R ’87) and Cheryl D. Carter
Keith (R ’80) and Susan Kobet
Carolyn and Paul Lichter (R ’68)
Kim Lindenmuth (R ’87, F ’88) and Matthew Bueche
Keith (R ’68) and Della McKenzie
Mark (R ’94) and Kimberly Phelan
Rennie and Michael Roth (R ’77)
Lee S. (R ’95, F ’96) and Stephen T. Webster

$5,000 to $9,999
Harry E. (R ’81) and M. Patricia Bash
Mr. Daniel and Dr. Holly M. Gross (R ’95)
Michael Petersen (R ’90) and Elizabeth Binasio
Dr. S. Harry Robertson, P.E.
Gregory L. Skuta, M.D.
Ronald E. Warwar, M.D. (R ’96)
Fuxiang and Fenfen Zhang (R ’97)

$2,500 to $4,999
Stephen Boorstein, M.D. (R ’96)
William S. Clifford, M.D.
Gayle Dickerson
Dasa (R ’92) and Nalini Gangadhar
Sunir J. Garg, M.D., F.A.C.S. (R ’02)
Michael A. Kipp, M.D. (R ’97, F ’98)
Michael (R ’00) and Linda Smith-Wheelock
James F. Vander, M.D. (R ’88)

$1,000 to $2,499
Mark (R ’70) and Judith Cohen
Ralph P. Crew, D.O. (F ’90)
Bita Esmaeili, M.D. (R ’94)
Ayad A. Farjo, M.D. (R ’00, F ’01) and Karin R. Sletten, M.D. (R ’01)
Robert (R ’84) and Teresa Grosserode
Kenneth B. Gum (R ’88)
Katherine A. Lee, M.D., Ph.D. (R ’98)
Gary Lelli (R ’06) and Kelly Bottger
Drs. Thellea K. (R ’05) and J.C. Leveque
Margaret W. Vezina
Daniel M. Wolner, M.D., Ph.D. (R ’92)
Jeff (R ’05) and Kate Zink

$500 to $999
Drs. Everton (R ’90) and Saundrett Arrindell
Brian P. Brooks, M.D., Ph.D. (R ’01, F ’02)
Dr. Theresa (R ’01, F ’02) and Mr. Frank Cooney
James D. Izer, M.D. (R ’02)
Patrick J. Parden, M.D. (R ’84)
Drs. Penporn (R ’06) and Stephen Reck (R ’06, F ’07)
Dr. Ralph and Judith Sawyer
Becky Spaly
Peter K. Speert, M.D., J.D. (R ’85)

Up to $499
Anonymous Donor (1)
Steven A. Boskovich, M.D. (R ’91)
Dorothy M. Damon
Edward F. Hall, M.D. (R ’06, F ’08)
Dr. and Mrs. David G. Heidemann (R ’86)
Michael and Jessica Ober
Jared W. Parker, M.D. (R ’08)
Warren J. Scherer, M.D., Ph.D. (R ’96)
and Nancy Scherer
Amit Tandon, M.D. (R ’07)

Generous alumni and friends have contributed close to 90 percent of our $500,000 goal. If you would like to make a gift in support of the Terry J. Bergstrom Collegiate Professorship, please contact Gayle Dickerson at 734-647-7382 or gayled@umich.edu.
Annual Honor Roll of Donors
With heartfelt thanks to donors who made gifts from July 1, 2009, through June 30, 2010. Included in this listing are contributors whose donations are part of multi-year pledges.

$1 million and above
Anonymous Donor (1)
Edward T. and Ellen K. Dryer
Charitable Foundation

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The Foundation Fighting Blindness
Larry G. Miller
The Ravitz Foundation

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The Meijer Foundation
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$5,000 to $9,999
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Herbert and Carol Amster
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Jean E. Craig
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Richard and Lisa Garfinkel
Helen and Richard Kerr
Michael R. Petersen, M.D., Ph.D., and Elizabeth Binasio
S. Harry Robertson
Karan and William Seleznicka
Alan and Gail Sugar
Michael A. Wainstock, M.D.
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$1,000 to $4,999
Anthony and Mary Adamis
James and Kathryn Adams
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Betty Baier and Mark Kesson
David and Nancy Barbour
Anne and Terry J. Bergstrom
Miriam E. & Fred G. Blum, Jr.
Eleanor E. Brownell
Keith D. and Cheryl D. Carter
Janet and Bill Cassebaum
Mark and Janet Cichowski

“I am so proud of this facility. It is spectacular. You can feel the sense of excitement. My hope is that we use the potential that we have built around us to continue to grow and to practice medicine in a way that is worthy of the standards our predecessors established and will serve as a source of pride for those who follow in our steps.”

— Michael Smith-Wheelock, M.D., Assistant Professor of Ophthalmology and Visual Sciences, speaking on the occasion of the dedication of the Brehm Tower at the Kellogg Eye Center, April 23, 2010
WHAT I’VE LEARNED OVER THE YEARS IS THAT ANY SIZE GIFT CAN MAKE AN IMPACT. A GIFT MIGHT HELP A RESEARCHER DEVELOP SOMETHING THAT IS STRONG ENOUGH TO SUBMIT TO THE NATIONAL INSTITUTES OF HEALTH OR SOME OTHER ORGANIZATION FOR A LARGER GRANT. IT’S THAT SEED MONEY THAT REALLY COUNTS. I HAVE SEEN SO MANY PEOPLE WHO HAVE BEEN AFFECTED BY MACULAR DEGENERATION THAT I WOULD REALLY LIKE TO SEE SOME STRIDES MADE TOWARD CURING THAT.”

— Jon B. Gandelot, President, the Edward T. and Ellen K. Dryer Charitable Foundation, and his wife, Lisa, a trustee of the Foundation
I credit the physicians here with drastically improving sight in one of my eyes, and I am walking proof of the skills they have. What impresses me the most is that they are so committed to research and to solving problems. They are taking care of today, but they are looking toward tomorrow. It’s very gratifying to be a part of this institution.”

— John C. Schultz, with his wife, Karen, who are annual supporters of the Kellogg Eye Center
“Getting to know the people who are using the microscopes I contributed and appreciating what they have accomplished, it makes me feel that I have accomplished something. Now that this building is in place and the faculty is in place, we’re going to see good things come out of it.”

— Leonard G. Miller, leadership donor to the Kellogg Eye Center expansion campaign, with Dorrit Jensen
WITH GRATITUDE FOR GIFTS MADE FROM JULY 1, 2009, THROUGH JUNE 30, 2010

Joseph and Betty Pavka
Therese Pena
Terry McLenney Person
Donald and Dorothy Peterson
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Barry S. Pinchoff, M.D.
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Lee S. Webster
Carol and Jack Weigel
Carolyn Jean Weigle
Cyrus R. Welman
Dr. and Mrs. William W. Wells
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Dr. Patrick T. and Mary White
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Michael Mendez
Michael and Kathleen Yang
Gloria Yff
Harry and Miriam Yukelson
Henry and Dorothy Zelisse
Jeff and Kate Zink
Wanda Zissis
W. Tom and Helen Zurschmiede, Jr.

In Memory Of
The Kellogg Eye Center is honored to have received gifts in memory of the following individuals.

Matthew Alpern, Ph.D.
Peggy Baier
Norbert Bereza
Sandra Bessert
Idelle Binder
Edmund Brownell
George Carter
Ada Ruth Childers
Ruth F. Clarke
Birdie Cooper
Clarence Damon
Marie Doran
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Harold H. Dye
Betty Fagin
Harold F. Falls, M.D.
Marvin Fox
F. Bruce Fralick, M.D.
Bartley Frueh, M.D.
Henry Gray, Ph.D.
Yamina Imloue
Steve Kaufman
Robert Keil

“I love the Kellogg Eye Center. I’ve loved it for 52-and-a-half years. I am honored to work with all of the faculty members here, and Dr. Paul Lichter is a wonderful leader. He believes so much in research and advancement, and it shows. This new tower will have a very big influence. It’s going to mean an awful lot to our clinics and to our research.”

— Ida L. Iacobucci, C.O., Associate Professor, Ophthalmology and Visual Sciences
In Honor Of
The following individuals were honored through gifts to the Kellogg Eye Center.

Anthony P. Adamis, M.D.
Terry J. Bergstrom, M.D.
Mary Ann Brandt
Michele Burke
Paul and Kate Coleman
Paul H. Drews
Mr. and Mrs. Jay W. Dull
Dr. and Mrs. Ernest L. Dunn
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Thomas and Margaret Waugh
Evelyn Wiacek
Dr. George J. Zissis

Bequests and Other Planned Gifts
It is with deep gratitude that we recognize the following individuals for making the Kellogg Eye Center a part of their estate plans.

Frank J. and Helga Arnold
Nancy Bender
Anne S. Benninghoff
Rhoda L. and Roger M. Berkowitz
Robert D. Biggs, M.D.
Ruth F. Clarke
Gloria F. and William E. Dean, Jr.
Ralph M. Fox
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E.H. Newell and Rosemary Smith
Russell A. Stephens and
Phyllis A. Capogna
James B. Thompson and
Mary Ann Brandt
David and Jayne VerLee
Michael A. Wainstock, M.D.
Jean A. and Richard C. Wilson

Only those who gave their permission are included above.

The Kellogg Eye Center greatly values our donors, and we make every effort to ensure the honor roll is accurate. Please call us at 734.615.0243 if you note any errors.

“My husband gave the first donation to the new Eye Center more than 10 years ago, and as the years went on we continued to give what we could. We are very honored to have the privilege to donate to this fine facility. It is just an awesome place, and the research that goes on here is really exciting. I can’t believe that it’s been 25 years since the first tower went up. In 25 years, I hope my grandchildren will be back to donate.”

— Mary June Wilkinson, whose husband, William, and son, W. Scott Wilkinson, completed their ophthalmology training at the University of Michigan
FACULTY HONORS, RECOGNITION, AND PUBLICATIONS

Steven M. Archer, M.D.

Awards/Honors/Leadership
• Best Doctors in America
• Director and host, 2010 Squint Club Annual Meeting

Publications


Outreach and Public Service
• Visiting Faculty, World Eye Mission, Trujillo, Peru

Terry J. Bergstrom, M.D.

Grants
See grants, page 55

Grant M. Comer, M.D.

Grants
See grants, page 55

Awards/Honors/Leadership
• Edward T. and Ellen K. Dryer Career Development Professor of Ophthalmology and Visual Sciences
• Editor, Ocular melanoma and retinal vein occlusions. Eye Wiki. American Academy of Ophthalmology
• Reviewer, Ophthalmology
• Reviewer, Retina
• Reviewer, Eye

Theresa M. Cooney, M.D.

Awards/Honors/Leadership
• Representative of the Michigan Society of Eye Physicians and Surgeons to the Michigan State Medical Society

Publications

Sherry H. Day, O.D.

Awards/Honors/Leadership
• Invited speaker, National Foundation for the Blind, Midwest Chapter

Outreach and Public Service
• Guest speaker on low vision, Vision 2010, Washtenaw Community College

Monte A. Del Monte, M.D.

Awards/Honors/Leadership
• Best Doctors in America
• Keynote Speaker in Pediatric Ophthalmology, XXIX Congress of Ophthalmology of the Mexican Society of Ophthalmology, Monterrey, Mexico
• 25th Annual Roger Johnson Lecturer, Seattle Children’s Hospital, University of Washington
• Special Visiting Professor and Commissioned Trainer for Combined Ophthalmology Programs in Hong Kong
• Keynote Speaker, International Summit for Strabismus and Pediatric Ophthalmology, Shanghai, China
• Keynote Speaker, Pediatric Ophthalmology and Strabismus Symposium, Sino-Japan Ophthalmology Symposium, Tianjin International Ophthalmology Forum 2010, Tianjin, China
• Member, Scientific Advisory Committee, Knight’s Templar Eye Research Foundation
• Chairman, International Affairs Committee, American Association for Pediatric Ophthalmology and Strabismus
• Member, Council of Chairs, American Association for Pediatric Ophthalmology and Strabismus

Publications


Jonathan B. Demb, Ph.D.

Grants
See grants, page 55

Awards/Honors/Leadership
• Invited speaker, NEI 40th Anniversary Symposium on Neuroscience and Vision, NIH
• Invited speaker, Yale University School of Medicine, Dept. of Ophthalmology & Visual Science
• Invited speaker, Jefferson Medical College, Department of Neuroscience
• Invited speaker, 13th Annual Vision Research Conference, Ft. Lauderdale
• Invited speaker, FASEB: Retinal Neurobiology and Visual Processing

Wayne T. Cornblath, M.D.

Grants
See grants, page 55

Awards/Honors/Leadership
• Best Doctors in America
• Visiting Professor, University of Maryland

• Moderator: Breakfast with the Experts; Unexplained visual loss. American Academy of Ophthalmology Annual Meeting
• Director: Top Ten Neuro-ophthalmic Diagnoses You Can’t Afford to Miss. American Academy of Neurology Annual Meeting
• Editorial Board, Frontiers in Ophthalmology
• Editorial Board, Up-To-Date
• Member, Scientific Program Subcommittee of the Education Committee, North American Neuro-Ophthalmology Society
• Member, Education Liaison Committee, American Academy of Ophthalmology

Publications

• Invited speaker, FASEB: Retinal Research conference, Ft. Lauderdale
• Invited speaker, 13th Annual Vision Research Conference, Ft. Lauderdale
• Invited speaker, FASEB: Retinal Neurobiology and Visual Processing
FACULTY HONORS, RECOGNITION, AND PUBLICATIONS

• Keynote speaker, International Myopia Conference, Tuebingen
• Associate Editor, Journal of Neuroscience
• Ad-Hoc Reviewer, NIH Study Section (Biology and Diseases of the Posterior Eye)

Publications
Manookin MB, Weick M, Stafford BK, Demb JB. NMDA receptor contributions to visual contrast coding. Neuron 2010;67:280-293.

Raymond S. Douglas, M.D., Ph.D.

Grants
See grants, page 55

Awards/Honors/Leadership
• Invited speaker, American Thyroid Association Annual Meeting, Palm Beach, FL
• Invited speaker, American Thyroid Association Annual Meeting, Palm Beach, FL

Publications

Susan G. Elner, M.D.

Grants
See grants, page 55

Awards/Honors/Leadership
• Best Doctors in America
• Executive Editor, American Journal of Ophthalmology
• Director, Vitreoretinal fellowship program, University of Michigan Kellogg Eye Center

Publications

Victor M. Elner, M.D., Ph.D.

Grants
See grants, page 55

Awards/Honors/Leadership
• Best Doctors in America
• Member, Committee for Ocular Tumors, Pathology and Orbit, Lacrimal Plastic Surgery
• Member, Awards Committee, American Society of Ophthalmic Plastic and Reconstructive Surgery
• Board of Directors: International Thyroid Eye Disease Society

Publications
FACULTY HONORS, RECOGNITION, AND PUBLICATIONS


Jeremy I. Finkelstein, M.D., FACS

Awards/Honors/Leadership
• Best Doctors in America
• Invited Speaker, 46th Annual Northern Michigan Summer Conference: Update on Common Clinical Concerns in Primary Care

Bruce A. Furr, C.O., M.S.P.H.

Awards/Honors/Leadership
• President, American Association of Certified Orthoptists
• Member, Executive Committee, American Orthoptic Council
• Elected to Canadian Orthoptic Council
• Co-host, American Academy of Ophthalmology/american Orthoptic Council/American Association of Certified Orthoptists Strabismus Symposium, AAO Annual Meeting

Philip J. Gage, Ph.D.

Grants
See grants, page 55

Publications


Zacharias AL, Gage PJ. Canonical Wnt/B-catenin signaling is required for maintenance but not activation of Pitx2 expression in neural crest during eye development. Dev Dynamics 2010 [in press].

Richard E. Hackel, C.R.A.

Awards/Honors/Leadership
• Member, Board of Education, Ophthalmic Photographers’ Society
• Editorial Board, Journal of Ophthalmic Photography
• Editorial Board, Journal of Neuro-Ophthalmology

Publications


John R. Heckenlively, M.D.

Grants
See grants, page 55

Awards/Honors/Leadership
• Best Doctors in America
• Editorial Board, Eye

• Reviewer, Study Section R24, National Eye Institute, NIH

Publications


Publications


Denise A. John, M.D., FRCS

Awards/Honors/Leadership

• Chief, Ophthalmology Service, Veterans Administration Medical Center, Ann Arbor, MI
• Assistant Director, Ophthalmology and Visual Sciences Residency Program, University of Michigan

Publications


Outreach and Public Service

• Glaucoma screening with medical students, University of Michigan Medical School
• Glaucoma screening with medical students, Parkridge Community Center, Ypsilanti, MI

Mark W. Johnson, M.D.

Grants

See grants, page 56

Awards/Honors/Leadership

• Best Doctors in America
• Guide to America’s Top Ophthalmologists
• Silver Fellow, Association for Research in Vision and Ophthalmology

Publications


Bret A. Hughes, Ph.D.

Grants

See grants, page 56

Awards/Honors/Leadership

• Member, Special Emphasis Panel, National Eye Institute, NIH
• Director, University of Michigan Center for Vision Research

Publications


Denise A. John, M.D., FRCS

Awards/Honors/Leadership

• Chief, Ophthalmology Service, Veterans Administration Medical Center, Ann Arbor, MI
• Assistant Director, Ophthalmology and Visual Sciences Residency Program, University of Michigan

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Grants

See grants, page 56

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Grants

See grants, page 56

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• Director, University of Michigan Center for Vision Research

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Grants

See grants, page 56

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• Guide to America’s Top Ophthalmologists
• Silver Fellow, Association for Research in Vision and Ophthalmology

Publications


Bret A. Hughes, Ph.D.

Grants

See grants, page 56

Awards/Honors/Leadership

• Member, Special Emphasis Panel, National Eye Institute, NIH
• Director, University of Michigan Center for Vision Research

Publications

• Visiting Professor, Hadassah Medical Center, Ein Kerem, Israel
• Invited Speaker, Gordon Research Conference, Il Ciocco, Barga, Italy
• Invited Speaker, Israel Oculoplastics Conference, Tel-Aviv, Israel

Publications

Naheed W. Khan, Ph.D.

Awards/Honors/Leadership
• Reviewer, Archives of Ophthalmology
• Reviewer, Journal of Ophthalmology

Publications


Hemant Khanna, Ph.D.

Grants
See grants, page 56

Awards/Honors/Leadership
• Editorial Board, Molecular Vision
• Associate Editor, BMC Ophthalmology

Publications


Helios T. Leung, Ph.D., O.D., FAAO

Outreach and Public Service
• Volunteer, Remote Area Medical. Weekend clinic, Maryville, TN

Paul R. Lichter, M.D., FACS

Grants
See grants, page 56

Awards/Honors/Leadership
• Best Doctors in America
• Associate Editor, American Journal of Ophthalmology
• President, Academia Ophthalmologica Internationalis
• Trustee, Heed Ophthalmic Foundation
• Walter J. Stark Memorial Lectureship, University of Oklahoma
• Chair, Conflict of Interest Group, University of Michigan Medical School

Publications

Michael J. Lipson, O.D., FAAO

Grants
See grants, page 56

Awards/Honors/Leadership
• Invited speaker, Global Specialty Lens Symposium
• Invited speaker, Association of Optometric Contact Lens Educators

Shahzad I. Mian, M.D.

Grants
See grants, page 56

Awards/Honors/Leadership
• Best Doctors in America
• Board of Directors, Midwest Eye Bank
• Editor, “Cornea,” Ophthalmic News and Education Network, American Academy of Ophthalmology

Publications


Sayoko E. Moroi, M.D., Ph.D.

Grants
See grants, page 57

Awards/Honors/Leadership
• Best Doctors in America
• Invited speaker, Glaucoma Specialty Day, American Academy of Ophthalmology Annual Meeting
• Keynote Speaker, Ohio Ophthalmological Society Meeting
David C. Musch, Ph.D., M.P.H.

Grants
See grants, page 57

Awards/Honors/Leadership
• Invited speaker, XXXIX Nordic Congress of Ophthalmology, Reykjavik
• Member, Glaucoma Subcommittee, National Eye Health Education Program Planning Committee, NIH

Publications


Christine C. Nelson, M.D., FACS

Awards/Honors/Leadership
• Best Doctors in America
• Visiting Professor, Instituto Regional de Oftalmologia, Trujillo, Peru
• Invited speaker, Minnesota Academy of Medicine
• Invited speaker, American Society of Ophthalmic Plastic & Reconstructive Surgery, 40th Annual Scientific Symposium
• Invited speaker, 2nd Annual Detroit Regional Ophthalmology Interchange

Publications


Howard R. Petty, Ph.D.

Grants
See grants, page 57

Publications


Stephen J. Saxe, M.D.

Awards/Honors/Leadership
- Best Doctors in America
- Invited speaker, Twenty-First Annual Midwest Ocular Angiography Conference, Reykjavik, Iceland

Roni M. Shtein, M.D.

Awards/Honors/Leadership
- Methodologist, Cornea/Anterior Segment Panel, Ophthalmic Technology Assessment Committee, American Academy of Ophthalmology
- Member, Vision Research Training Program, University of Michigan Kellogg Eye Center
- Member, Unified Curriculum Committee, University of Michigan
- Member, Accreditation Board, Eye Bank Association of America

Publications


Malta JB, Soong HK, Shtein RM, Musch DC, Rhoades W, Sugar A, Mian SI. Treatment of ocular graft-versus-host disease with topical cyclosporine 0.05%. Cornea 2010 [in press].


Terry J. Smith, M.D.

Grants
See grants, page 57

Awards/Honors/Leadership
- Best Doctors in America
- Invited speaker, International Symposium on Graves’ Orbitopathy, Royal Netherlands Academy of Arts and Sciences, Amsterdam
- Invited speaker, Summer Research Seminar, University of Michigan – Biomedical Research Program

Publications


Joshua D. Stein, M.D.

Grants
See grants, page 58

Awards/Honors/Leadership
- BCBSM Foundation McDevitt Excellence in Research Award
- Anthony Adams Prize for Outstanding Research in Ophthalmology and Visual Sciences, University of Michigan Kellogg Eye Center
- Token of Appreciation from Medical Students (TAMS) Award recipient, University of Michigan
- Editorial Board, Evidence-Based Ophthalmology

Publications

H. Kaz Soong, M.D.

Awards/Honors/Leadership
- Best Doctors in America
- Medical Director, Ambulatory Care Unit, University of Michigan Kellogg Eye Center
- Director, Medical Student Clerkship Program, University of Michigan Department of Ophthalmology and Visual Sciences
- Chair, OR committee, University of Michigan Kellogg Eye Center

Michael W. Smith-Wheelock, M.D.

Awards/Honors/Leadership
- Best Doctors in America
- Medical Director, Ambulatory Care Unit, University of Michigan Kellogg Eye Center
- Director, Medical Student Clerkship Program, University of Michigan Department of Ophthalmology and Visual Sciences
- Chair, OR committee, University of Michigan Kellogg Eye Center

Grants
See grants, page 58

Awards/Honors/Leadership
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- Chair, OR committee, University of Michigan Kellogg Eye Center

Grants
See grants, page 58

Awards/Honors/Leadership
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- Chair, OR committee, University of Michigan Kellogg Eye Center

Grants
See grants, page 58

Awards/Honors/Leadership
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Grants
See grants, page 58

Awards/Honors/Leadership
- Anthony Adams Prize for Outstanding Research in Ophthalmology and Visual Sciences, University of Michigan Kellogg Eye Center
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Grants
See grants, page 58

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- Chair, OR committee, University of Michigan Kellogg Eye Center

Michael W. Smith-Wheelock, M.D.

Awards/Honors/Leadership
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- Chair, OR committee, University of Michigan Kellogg Eye Center

Grants
See grants, page 58

Awards/Honors/Leadership
- Anthony Adams Prize for Outstanding Research in Ophthalmology and Visual Sciences, University of Michigan Kellogg Eye Center
- Token of Appreciation from Medical Students (TAMS) Award recipient, University of Michigan
- Editorial Board, Evidence-Based Ophthalmology

Publications
FACULTY HONORS, RECOGNITION, AND PUBLICATIONS


Jennifer S. Weizer, M.D.

Publications

Kwoon Y. Wong, Ph.D.

Grants
See grants, page 58

Outreach and Public Service
• Guest speaker on low vision, Ann Arbor District Library

Publications

Dongli Yang, M.D., Ph.D.

Publications

David N. Zacks, M.D., Ph.D.

Grants
See grants, page 58

Outreach and Public Service
• Best Doctors in America
<table>
<thead>
<tr>
<th>Faculty Name</th>
<th>Source</th>
<th>ID</th>
<th>Project Title</th>
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<tbody>
<tr>
<td>T. Bergstrom, M.D.</td>
<td>NIH/Clinical Trial</td>
<td>U10-EY010439-15</td>
<td>Ocular Hypertension Treatment Study (OHTS) Coordination Center: Washington University</td>
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<tr>
<td>G. Comer, M.D.</td>
<td>Ocuscience/Clinical Trial</td>
<td></td>
<td>Study of Retinal Flavoprotein Autofluorescence in Macular Degeneration A Natural History Study of Macular Telangiectasia — The MacTel Study</td>
</tr>
<tr>
<td>W. Cornblath, M.D.</td>
<td>ICON Clinical Research/Pfizer</td>
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<td>Case-Crossover Study of PDE5 Inhibitor Exposure as a Potential “Trigger Factor” for Acute NAION</td>
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<td>J. Demb, Ph.D.</td>
<td>NIH R01-EY014454-06</td>
<td>R01-EY014454-06-S1</td>
<td>Neural Circuits &amp; Synapses for Early Visual Processing Career Development Award</td>
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<td>R. Douglas, M.D., Ph.D.</td>
<td>NIH K23-EY016339-06</td>
<td></td>
<td>Immune Activation of Fibroblasts</td>
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<td>S. Elner, M.D.</td>
<td>NIH U10-EY014660</td>
<td></td>
<td>Multicenter Uveitis Steroid Treatment (MUST) Trial Coordination Center: Johns Hopkins University</td>
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<td>V. Elner, M.D., Ph.D.</td>
<td>NIH R01-EY009441-13</td>
<td></td>
<td>RPE-Mφ Binding: Ca^{++} &amp; O_{2} Dependent AMD Responses Senior Scientific Investigator Award Prototype Development ETCF Grant</td>
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<tr>
<td>P. Gage, Ph.D.</td>
<td>NIH R01-EY014126-07</td>
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<td>Pitx 2: Molecular Mechanisms in Eye Development and Disease</td>
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<td>J. Heckenlively, M.D.</td>
<td>NIH R01-EY007758-20</td>
<td>R01-EY016862-05</td>
<td>Mouse Models of Human Hereditary Eye Diseases Genetic Variations in Age-related Macular Degenerations Center for the Study of Retinal Degenerative Diseases Consortium Treatment Grant: Assessment of Therapies Resource Facility for X-linked Retinitis Pigmentosa and Age-related Macular Degeneration</td>
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<tr>
<td>P. Hitchcock, Ph.D.</td>
<td>NIH R01-EY007060-20</td>
<td>R01-EY011115-12</td>
<td>Neuronal Development, Injury and Regeneration in Retina Molecular Mechanisms of Retina-specific Gene Expression Vision Research Training Program Senior Scientific Investigator Award</td>
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</table>
## GRANTS

<table>
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<tr>
<th>Faculty Name</th>
<th>Source</th>
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<th>Project Title</th>
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<tr>
<td>B. Hughes, Ph.D.</td>
<td>NIH</td>
<td>P30-EY007003-24</td>
<td>Core Center for Vision Research (five core modules)</td>
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<td></td>
<td>NIH</td>
<td>R01-EY008850-19</td>
<td>Ion Conductances in the Retinal Pigment Epithelium (Lew R. Wasserman Award)</td>
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<td>RPB</td>
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<td>M. Johnson, M.D.</td>
<td>Chiltern International/ThromboGenics Inc.</td>
<td></td>
<td>A Randomized, Placebo-controlled, Double-masked, Multicenter Trial of Microplasmin Intravitreal Injection for Non-surgical Treatment of Focal Vitreomacular Adhesion</td>
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<td></td>
<td>GlaxoSmithKline/Clinical Trial</td>
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<td>Study to Investigate Pharmacodynamics, Safety, and Systemic Pharmacokinetics of Pazopanib Eye Drops</td>
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<td>Regeneron Pharmaceutical/Clinical Trial</td>
<td></td>
<td>Phase III Study of Efficacy, Safety, and Tolerability of Repeated Doses of Intravitreal VEGF Trap in Subjects with Neovascular AMD</td>
</tr>
<tr>
<td>A. Kahana, M.D., Ph.D.</td>
<td>NIH</td>
<td>K08-EY018689-03</td>
<td>Zebrafish Model for Studying Orbital Development and Disease</td>
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<td>K08-EY018689-02-S1</td>
<td>Development and Regeneration of Extraocular Muscles in Zebrafish - Student Fellowship</td>
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<td>RPB</td>
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<td>Career Development Award</td>
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<td>Sigma Xi Society</td>
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<td>Development and Regeneration of Extraocular Muscles in Zebrafish - Student Stipend Award</td>
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<td>H. Khanna, Ph.D.</td>
<td>NIH</td>
<td>R01-EY007961-21</td>
<td>X-Linked Retinitis Pigmentosa</td>
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<td>NIH</td>
<td>R01-DC009606-02</td>
<td>Olfactory Signaling, Cilia, and Sensory Disorders Subcontract with Jeffrey Martens, Ph.D., Department of Pharmacology, University of Michigan Center for the Study of Retinal Degenerative Diseases Cilia Dependent Signal Transduction in Photoreceptor Degeneration</td>
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<td>Ciliary Signaling Cascades in Retinal and Syndromic Ciliopathies</td>
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<td>Midwest Eye-Banks</td>
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<td>U-M Center for Rare Disease</td>
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<td>P. Lichter, M.D.</td>
<td>RPB</td>
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<td>Unrestricted Grant VisionCare Ophthalmic Technologies Implantable Miniature Telescope for Central Vision Impairment Associated with Age-related Macular Degeneration and Other Maculopathies</td>
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<tr>
<td>M. Lipson, O.D.</td>
<td>EyeVis L.L.C.</td>
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<td>Stabilizing Myopia by Accelerated Reshaping Technique</td>
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<tr>
<td>S. Mian, M.D.</td>
<td>MICHR, Midwest Eye-Banks</td>
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<td>Femtosecond Laser-assisted Keratoplasty Role of IGF-1 Signaling in Orbital Development in Zebrafish-Student Stipend Award</td>
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<td>Faculty Name</td>
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<td>S. Moroi, M.D., Ph.D.</td>
<td>Merck and Company, Inc.</td>
<td></td>
<td>Merck IISP #31911 Study: Effect of Myocilin Genetic Variants on Intraocular Pressure and Pressure Variation in Sitting and Supine Positions</td>
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<td>Midwest Eye-Banks</td>
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<td>Identifying Genomic Determinants of Thin Central Cornea as Risk Factor for Glaucoma</td>
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<td>D. Musch, Ph.D., M.P.H.</td>
<td>NIH</td>
<td>R21-EY118690-02</td>
<td>Clinical and Quality of Life Insights on Glaucoma from Analyses of CIGTS Data Lew R. Wasserman Award Value Estimation Project in Glaucoma (Phase II) Subcontract with Washington University A Survey of Vision Care Providers for Older Drivers</td>
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<td>Washington University/Pfizer</td>
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<td>Michigan Center for Advancing Safe Transportation throughout the Lifespan</td>
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<td>H. Petty, Ph.D.</td>
<td>NIH</td>
<td>N01-HD-2-3342</td>
<td>Services in Support of the Perinatology Research Branch Subcontract with Wayne State University</td>
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<td>NIH</td>
<td>R01-CA074120-10</td>
<td>Signaling Dynamics of Leukocyte-Tumor Cell Interactions</td>
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<td>NIH</td>
<td>R01-AI060983-04</td>
<td>Lipid Raft Microdomains in Neutrophil Function Subcontract, Robert Sitrin, M.D., U-M Medical School Retinal Metabolic Analysis of Glaucoma</td>
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<td>D. Puro, M.D., Ph.D.</td>
<td>NIH</td>
<td>R01-EY012507-11</td>
<td>Physiology of Retinal Pericytes Senior Scientific Investigator Award Physiology of Early Postnatal Retinal Microvessels and Implications for Retinopathy of Prematurity Award for David Wu, M.D., Ph.D.</td>
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<td>Knights Templar Eye Foundation</td>
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<td>J. Richards, Ph.D.</td>
<td>NIH</td>
<td>R56-EY011671-10</td>
<td>Molecular Genetics of Glaucoma and Related Disorders Admixture Mapping of Glaucoma Genes in African Americans; subcontract with Duke University Senior Scientific Investigator Award</td>
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<td>R. Shtein, M.D.</td>
<td>NIH</td>
<td>K23-EY017885-03</td>
<td>Neovascularization Patterns in Corneal Graft Rejection Pathogenesis of Idiopathic Dry Eye Evaluation of Growth Factors in Tears of Patients with HSV Keratitis Clinical Sciences Scholars Program Award</td>
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<td>MICHR</td>
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<td>OVPR Faculty Grants and Awards</td>
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<td>U-M Medical School</td>
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<tr>
<td>T. Smith, M.D.</td>
<td>NIH</td>
<td>R01-EY008976-17</td>
<td>Regulation of Retro-ocular Connective Tissue Functional Diversity of Orbital Fibroblasts Immunoglobulin Activation of Fibroblasts Physician Scientist Award</td>
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## GRANTS

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<td>Cornea Donor Study, Coordinating Center: Jaeb A Randomized Dose-Ranging Study to Assess the Efficacy and Safety of LX201 for Prevention of Corneal Allograft Rejection Episodes and Graft Failure following Penetrating Keratoplasty</td>
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<td>D. Thompson, Ph.D.</td>
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<td>Proteomics and Genomics of Giant Cell Arteritis</td>
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**Source Abbreviations**
- **FFB** – Foundation Fighting Blindness
- **LMRI** – Lowy Medical Research Institute
- **MICHR** – Michigan Institute for Clinical and Health Research
- **NIH** – National Institutes of Health
- **OVPR** – Office of the Vice President for Research, University of Michigan
- **RPB** – Research to Prevent Blindness
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<td>Paul R. Lichter, M.D., FACS</td>
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