

Ophthalmology Update

Department of Ophthalmology

Spring 2012

Indiana Lions donate Eyesi simulator

Equipment donated by the Indiana Lions Eye and Tissue Transplant Bank will allow residents in the Department of Ophthalmology to practice cataract surgery under the watchful eye of faculty physicians. This highly sophisticated equipment is a very generous gift.

The Department of Ophthalmology received the equipment, the Eyesi Indirect Ophthalmoscope Simulator and Surgical Simulator, in January. A representative from Eyesi visited the Glick Eye Institute for several

days and showed faculty and residents how to properly use the equipment and incorporate the curriculum from the simulators into our residency education programs.

“The Eyesi surgical simulator is a tremendous addition to our program that will greatly enhance our ability to train highly-skilled ophthalmic surgeons in a safe and controlled manner,” said **Darrell WuDunn, M.D., Ph.D.**, director of the ophthalmology residency program. “Just as flight simulators helped train pilots and

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Marilyn K. Glick - Eye Visionary Remembered

Marilyn Glick, who with her husband Eugene, supported vision research, clinical care and education by providing the foundation for the creation of the Eugene and Marilyn Glick Eye Institute, passed away on March 23, 2012.



More on Pages 8 and 9.

Helveston-Ellis Research and Education Fund established for pediatric research. Page 3.

Glick Eye Institute to expand services to Witham Hospital in Lebanon. Page 6.

Dr. Neely travels to South Africa with ORBIS. Page 5.

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Remembering Dr. Grayson. Page 11

Save the date!

2013 IU Ophthalmology Alumni trip to Tuscany (July 13 to July 21), Details coming soon!

From the Chairman



This year we lost two great friends and supporters of Indiana University, the IU School of Medicine, and our Department of Ophthalmology with the passing of **Merrill Grayson, M.D.**, in January, and **Marilyn K. Glick**, in March.

While Dr. Grayson was part of the heart and soul of the Department of Ophthalmology, Mrs. Glick was a dynamic force for the future of the department by advocating for and supporting research to eliminate blindness.

Dr. Grayson's obituary is on Page 11; Mrs. Glick's obituary is on Page 8. Information on memorials to both is included with their obituaries.

Dr. Grayson not only strove for excellence, but he was eternally curious about the world we live in. I was told by his family that just two weeks before he passed away he purchased a new iPad in order to learn the most recent technology. His enthusiastic willingness to learn made him young in spirit ... a trait that continued until his passing.

Dr. Grayson was always ready to serve the department. He was a mentor to many who graduated from the department. He loved to teach residents, and is fondly remembered by his colleagues and friends as someone who encouraged all to do their best work.

We will remember Dr. Grayson during our Residents' Day, set for June 29 with events at the Glick Eye Institute. Along with members of Dr. Grayson's family, we will honor him that day with a special reception following the research and scientific meeting and preceding the dinner. We are pleased to hold Resident's Day in the Glick Eye Institute this year. (See below)

Graduation festivities for our graduating third year residents and fellows will follow that evening at the JW Marriott. I hope you can join us for these significant department events.

Philanthropic support is necessary to accelerate vision research. To learn how you can make a tax-deductible gift to benefit the Eugene and Marilyn Glick Eye Institute, please contact:

Linda E. Cantor, J.D.
Director of Development
Eugene and Marilyn Glick Eye Institute
Indiana University School of Medicine
lcantor2@iupui.edu

Phone: **317.274.3602** or
800.643.6975

Gifts may be mailed to:

IU Foundation
P.O. Box 660245
Indianapolis, IN 46266-0245

Online gifts may be made through the Eugene and Marilyn Glick Eye Institute website:

www.glick.iu.edu

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Residents' Day at the Glick Eye Institute

The annual Residents' Day research and scientific meeting and symposium will be held June 29 at the Eugene and Marilyn Glick Eye Institute, Spitzberg Hall, 1160 W. Michigan Street, Indianapolis, IN 46202 on the IUPUI campus.

Registration will begin at 7:45 a.m. with the program

beginning at 8:15 a.m. Lunch and break service will be provided. The meeting will conclude by 2:15 p.m. for a memorial service for **Merrill Grayson, M.D.**, set for 2:30 to 3:30 p.m. Dinner and graduation will be held at the JW Marriott, 10 S. West Street, Indianapolis, IN 46204.

Registration details are on Page 12.

Helveston-Ellis Research and Education Fund established

Friends and colleagues of **Eugene Helveston, M.D.**, and **Forrest (Daryel) Ellis, M.D.**, have established the Helveston-Ellis Research and Education Fund to provide research support to the Pediatric Ophthalmology and Adult Strabismus Service in the Department of Ophthalmology.



Dr. Helveston

Dr. Helveston completed his residency in ophthalmology at the IU School of Medicine in 1966. He then completed a fellowship in pediatric ophthalmology at the Wilmer Institute at Johns Hopkins School of Medicine. He joined the faculty at the IU School of Medicine in 1967.

During his distinguished academic career he served as chair of the department from 1981 to 1984 and became Professor Emeritus in 2000. He authored many books on pediatric ophthalmology and strabismus. With Dr. Ellis, he co-authored "**Pediatric Ophthalmology Practice**," one of the most influential and definitive books on the subject. It continues in use today.

Dr. Helveston founded the Cyber-Sight Foundation, managed by ORBIS International, where he is currently the ophthalmologist-in-chief.

Dr. Ellis graduated from the IU School of Medicine in 1957 and completed his ophthalmology residency in 1972.



Dr. Ellis

He was Dr. Helveston's first fellow, and completed his fellowship in pediatric ophthalmology and adult strabismus in 1975.

He retired in 1997 and holds the title of Professor Emeritus.

"Drs. Helveston and Ellis trained multiple generations of fellows in pediatric ophthalmology. The IU fellowship program has grown to be recognized as one of the premier fellowships in the country, if not the world," said **David A. Plager, M.D.**, Professor of Ophthalmology, and director of the Pediatric Ophthalmology and Adult Strabismus Service.

"IU has trained more pediatric ophthalmology fellows than any program in the country except for the program Drs. Costenbader and Parks started in Washington, D.C.," said Dr. Plager.

"Establishing a professorship or chair in pediatric ophthalmology will be a fitting permanent tribute to the impact that these two giants in ophthalmology had on the training of generations of fellows and residents at IU," Dr. Plager said.

For information on supporting the Helveston-Ellis Research and Education Fund, see contact information for **Linda Cantor**, Director of Development, on Page 2.

Patient in Indianapolis Glaucoma Progression Study provides funding to continue research

Support from a patient in the Indianapolis Glaucoma Progression Study will allow the research into the sneak thief of sight to continue for two years. The participant, who wishes to remain anonymous, has committed \$200,000 to fund the clinical research study being conducted by **Alon Harris, M.S., Ph.D., F.A.R.V.O.**, Director of Clinical Research at the Eugene and Marilyn Glick Eye Institute.

"This study is the only long-term prospective observational study

worldwide which investigates the relationship between ocular perfusion and blood flow and structural and functional glaucoma progression," said Dr. Harris.

"We were originally funded for three years with a competitive science grant from Pfizer Pharmaceuticals. As that original period is drawing to a close, my team and I are humbled by the support of one of our patients. We also are proud that this study will now become a five-year effort, the longest and most comprehensive of

its kind ever conducted worldwide."

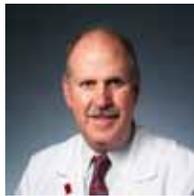
The anonymous donor told Dr. Harris that the benefits of the study and the observational period should continue an additional two years.

"This generous gift will allow this important study to continue and will facilitate many more analyses which ultimately will benefit all people with glaucoma," said **Louis B. Cantor, M.D.**, chairman of the Department of Ophthalmology.

Continued on Page 6

Faculty news

Louis B. Cantor, M.D., presented to the Downtown Indianapolis Kiwanis Club on Friday, March 30. Dr. Cantor spoke



about the creation of the Eugene and Marilyn Glick Eye Institute. He also presented the topic, "The Aging Eye: Time to Stop/Reverse the Decline." The Kiwanis Club recognized Dr. Cantor by making a contribution of a book to the library at IPS Harshman Middle School.

Yara Catoira-Boyle, M.D.,



moderated a session on glaucoma surgery at the American Glaucoma Society meeting in New York City. Attending with her was **Joseph Kim, M.D.**, who presented a poster on tube shunt surgery. Dr. Catoira-Boyle was one of two women nominated by the IU School of Medicine to attend the Mid-Career Women Faculty Professional Development Seminar in Austin, Texas, in December.

Tim Corson,



Ph.D., traveled to Merrillville, Ind., in March to speak to the East Central Department Meeting of Knights Templar. Dr. Corson was invited to address the group, a Masonic organization, whose Knights Templar Eye Foundation provides grants to early-career pediatric ophthalmology researchers. Both Dr. Corson and **Yang Sun, M.D., Ph.D.**, are recent Knights Templar grant recipients. To encourage support among the Templar leaders, Dr.

Corson discussed the value of basic, translational and clinical research, as exemplified by his own work, and that of Drs. Sun and **Jingyun Wang, Ph.D.**, at the Glick Eye Institute.

Rajashekhhar

Gangaraju, Ph.D., reports that poster presentations were accepted for the March meeting of the Keystone Symposia in Boston and the May ARVO meeting in Fort Lauderdale.



The following have been accepted for publication:

Pentoxifylline Reduces TNF- α and HIV-induced Vascular Endothelial Activation. Green LA, Kim C, Gupta SK, Rajashekhhar G, Rehman J, Clauss M. **AIDS Res Hum Retroviruses**. 2012

Soluble thrombomodulin reduces inflammation and prevents microalbuminuria induced by chronic endothelial activation in transgenic mice. Rajashekhhar G, Gupta A, Marin A, Friedrich J, Willuweit A, Berg DT, Cramer MS, Sandusky GE, Sutton TA, Basile DP, Grinnell BW, Clauss M. **Am J Physiol Renal Physiol**. 2012

Alon Harris, M.S., Ph.D., F.A.R.V.O.,

was the keynote speaker at the recent South African Ophthalmological Society conference during the international glaucoma day meeting in April. He was also invited to lecture in Johannesburg, Durbin and Capetown.



Dr. Harris reports that all 14 abstracts

submitted to ARVO by his lab have been accepted for the May meeting.

Lyne Racette, Ph.D.,

has been elected to the IUPUI Faculty Council. Her term will begin in August. As a member of the faculty council, Dr. Racette will attend monthly meetings and vote on faculty policy for the entire IUPUI faculty. She is one of five representatives of the School of Medicine.



Daniel Spitzberg, M.D.,

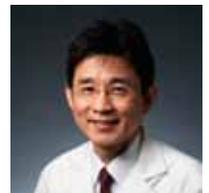
is continuing his residency lecture series on practice management and with the assistance of a medical attorney will provide sessions on the issues of joining a practice, non-compete clauses, buy-ins, contracts and employment agreements.



Dr. Spitzberg has accepted the position of Vice Chair for Adult Clinical Affairs for the Department of Ophthalmology. Dr. Spitzberg has been a full-time professor at the IU medical school since 2008. Dr. Spitzberg earned his medical degree and completed his residency at IU.

Chi Wah (Rudy) Yung, M.D.,

F.A.C.S., was an invited speaker for the Indiana State Assembly of The Association of Surgical Technologists held at IU Health North on March 31. Dr. Yung's presentation was "Cataract Surgery, Past, Present and Future."



South African ORBIS trip focuses on Cyber-Sight resources

Daniel Neely, M.D., Professor of Ophthalmology, recently traveled to South Africa as a volunteer physician for ORBIS, the non-profit organization dedicated to fighting blindness in developing countries.

During his February trip, Dr. Neely shared his knowledge and expertise with pediatric ophthalmologists at the Inkosi Albert Luthuli Central Hospital (IALCH) in Durban and at Gray's Hospital in the town of Pietermaritzburg.

Durban, the third largest city in South Africa, is the capital of the KwaZulu-Natal (KZN) province. KZN is one of the poorest and most populous areas in South Africa with 3.5 million children (and 28 percent of South Africa's blind children) living in rural poverty with limited access to specialized medical services.

Dr. Neely has volunteered for multiple ORBIS trips with its flying eye hospital, an airplane equipped with exam rooms and an operating room.

The trip to South Africa did not involve the flying eye hospital; instead, Dr. Neely worked with physicians in Durban and Pietermaritzburg and gave lectures on strabismus and the ORBIS telemedicine Cyber-Sight program.

This was his 10th ORBIS program trip; he has completed five flying eye hospital programs in Cambodia, Jamaica, India, Uganda and Peru and five local hospital-based programs, working in South Africa twice and in Hanoi, Vietnam, three times.

While in South Africa, Dr. Neely trained two local ophthalmologists on how to perform trabeculotomy, allowing those doctors to be able to



Dr. Neely examines a young patient in the KwaZulu-Natal (KZN) province of South Africa.

manage most cases of congenital pediatric glaucoma.

Other physicians were trained on infant cataract/IOL surgery, eyelid ptosis repair using frontalis suspension and management of complicated strabismus syndromes such as Duane Syndrome and the performance of strabismus surgery using the fornix technique which produces less scarring, a frequent problem in the South African population.

“During my lectures I emphasized the utility of the ORBIS Cyber-Sight resources and the value of e-consultation,” Dr. Neely said. “I hope to stimulate greater utilization of this program and give ORBIS an extended presence in KZN between our visits.”

“All of the physicians involved are very interested in the program and strongly support the ORBIS pediatric

ophthalmology initiative in KZN,” he said. Dr. Neely said use of the telemedicine prescreening program worked very well in Pietermaritzburg, where a participating local physician had screened patients and identified those who would be prepared to undergo surgery with ORBIS volunteer physicians.

Drs. Neely, **David A. Plager** and **Eugene Helveston** also have recently released an ORBIS manual on the technical management of pediatric cataracts. It is intended to assist physicians worldwide in the appropriate evaluation and treatment of pediatric cataract patients and their unique needs. Dr. Helveston is currently the ophthalmologist-in-chief at ORBIS International.

More information on ORBIS is at www.orbis.org.

For more about Dr. Neely see www.glick.iu.edu/neely.

New satellite vision clinic at Witham Health Services set to open in May

The Glick Eye Institute ophthalmology and optometry clinic at Witham Health Services in Lebanon is set to open in May. An open house will be held May 23 at the new location. Tentative plans call for an event from noon to 3:00 p.m. for Witham Hospital staff and physicians and an event for the community from 4:00 to 7:00 p.m.

The Glick Eye Institute will provide ophthalmology and optometric care in a 4,000 square foot clinic at Witham Health Services, North Pavilion located on the north side of Lebanon.

“We believe that receiving treatment close to home has a significant impact on the overall health of a patient – and this will help bolster that,” said **Ray Ingram**, CEO and President of Witham Health Services.

“Previously, many patients were seeking treatment outside of our



The North Pavilion at Witham Health Services in Lebanon, the location of the newest satellite Glick Eye Institute.

community. We are thrilled to partner with IU on this important endeavor as part of our ongoing patient-first philosophy and our continued growth.”

The department plans to hire an optical assistant for the new location.

Melanie Pickett, O.D., Assistant Professor of Clinical Ophthalmology, will provide optometric care. **Daniel Spitzberg, M.D.**, Associate Professor of Clinical Ophthalmology, will provide ophthalmic care and provide cataract surgery options for for Boone County patients.

Glaucoma Progression Study (continued from Page 3)

The Indianapolis Glaucoma Progression Study includes 113 open angle glaucoma patients and has assessed comprehensive ocular blood flow and perfusion parameters alongside comprehensive clinical markers of glaucoma progression.

To date, the study has produced dozens of publications and insights in glaucoma pathology and its relationship to ocular circulation.

At each visit patients underwent comprehensive testing including:

- multiple measures of intraocular pressure (Goldmann and Pascal)
- visual acuity
- contrast sensitivity
- ultrasonic corneal pachymetry of central corneal thickness
- visual field testing (using standard automated perimetry)

- Fourier domain Doppler optical coherence tomography (FD-OCT) with total retinal blood flow assessment
- Stratus optical coherence tomography (OCT) structural imaging
- Heidelberg retina tomography III
- color Doppler imaging of the retrobulbar blood vessels
- confocal scanning laser Doppler flowmetry of retinal capillaries
- ocular perfusion pressure calculations
- refraction
- Pascal applanation (ocular pulse amplitude)
- height, weight, body mass index, blood pressure, heart rate, medical history and questionnaires

Each patient visit can take up to two hours; analysis of the data is ongoing.

For information on supporting the Indianapolis Glaucoma Progression Study, see contact information for **Linda Cantor**, Director of Development, on Page 2.

Indiana Lions Eye and Tissue Transplant Bank donates surgical training equipment

(continued from Page 1)

improved air safety, the Eyesi surgical simulator will improve patient outcomes and safety.”

The Eyesi Ophthalmoscope simulates the binocular indirect ophthalmoscopy examination, a skill that must be mastered by all ophthalmology residents early in their training. Use of the Eyesi simulator will allow residents and medical students to develop and practice their diagnostic skills in virtual reality without any discomfort for patients.

The Eyesi surgical simulator provides a highly sophisticated virtual reality simulation of intraocular surgery, including phacoemulsification (cataract surgery).

Handheld instruments are inserted into an artificial eye, and simulated intraocular maneuvers with surgical instruments are viewed under the binocular microscope in real time. From the operating microscope to the foot pedal controls, all aspects of a real operating room are included.

The simulated environment very accurately reflects the tissue interactions that can be experienced in live surgery. The software modules provide step-by-step training in all aspects of phacoemulsification surgery, including capsulorhexis and phaco chop techniques.

Residents had their first opportunity to practice phacoemulsification at the Kempler Surgical Education Laboratory at the Glick Eye Institute in February. Alcon, Inc. sponsored the event, bringing in three phaco units, desk-mounted surgical microscopes and all supplies for the wet lab.

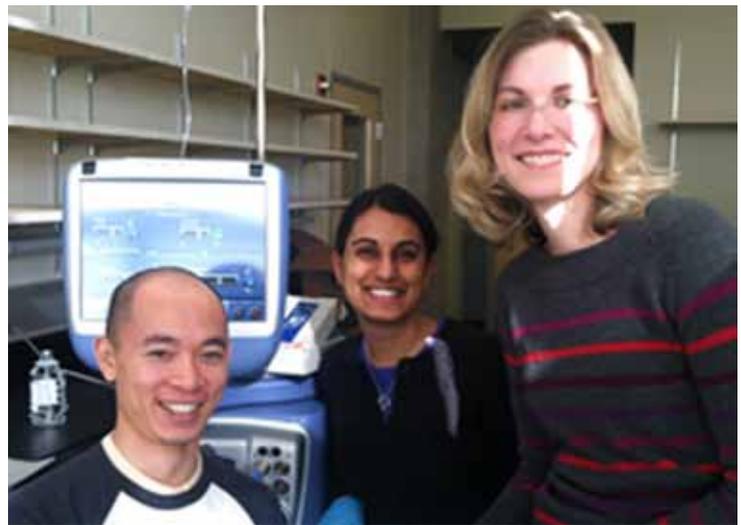
Faculty who assisted were ***Rudy Yung, M.D., Amy Waddell, M.D., and Jennifer Eikenberry, M.D.*** Residents also heard a lecture on phacodynamics before moving to the wet lab.

“In addition to the three stations set up by Alcon, the department used the new wet lab/Zeiss microscope donated by ***Donna Panetta*** as well,” said Dr. Yung.

“We had four surgical stations for this exercise. Residents practiced different steps of cataract surgery initially using pig eyes: capsulorhexis,



The Eyesi Indirect Ophthalmoscope simulator is demonstrated for the Indiana Lions Eye and Tissue Bank board of directors at the Eugene and Marilyn Glick Eye Institute.



Residents Jason Ou, M.D., and Nisha Kheradiya, M.D., and Jennifer Eikenberry, M.D., Assistant Professor of Clinical Ophthalmology, have used the Eyesi to practice cataract surgery in the Kempler Surgical Wet Lab.

phacoemulsification and intraocular implant folding and loading. Some residents, while waiting on their turn using the microscopes, also practiced on the Eyesi simulator,” Dr. Yung said. “The equipment allows the residents to work with a surgical microscope and hone their skills.”

Marilyn K. Glick, Eye Institute visionary, 1922 - 2012

Marilyn Glick, who with her husband Eugene, supported vision research, clinical care and education by providing the foundation for the Eugene and Marilyn Glick Eye Institute, will long be remembered for her dream to place Indiana University at the forefront of vision research. She died March 23, 2012, at her home.

“The entire Indiana University community has experienced a great loss with the passing of Mrs. Glick,” said IU President **Michael A. McRobbie**. “She led her life by example, finding solutions to problems and challenges that would clearly make the world a better place, and a place that could be seen and enjoyed by all.”

The Glicks’ gift of \$30 million to Indiana University allowed the creation of an endowment and provided the support for the creation of the Glick Eye Institute building that provides clinical space, research labs, educational opportunities, and an administrative home for the Department of Ophthalmology at the Indiana University School of Medicine.

The gift that allowed the development of the Glick Eye Institute was the capstone of their philanthropy and the culmination of Mrs. Glick’s longstanding interest in vision care and the prevention of blindness.

“It was her wish, indeed, her directive, that cures for blindness and treatments for vision-threatening diseases happen at Indiana University and in this building,” said **Louis B. Cantor, M.D.**, chairman of the Department of Ophthalmology.

“She knew that she would not live to see the benefits of this work, but that was her challenge to us. It was



Marilyn K. Glick

something very personal to her, and something directed very much from her heart.”

Dr. Cantor, who has known Mrs. Glick for many years, said, “Her philanthropic spirit was part of her DNA. It was who she was.”

Mrs. Glick was awarded an honorary Doctor of Humane Letters from IU in 2011 for her continued advocacy for the university researchers and physicians who work to treat and prevent eye diseases. She and Mr. Glick received Indiana University President’s Medals for their generous contribution that led to the building of the eye institute that bears their name. They both have been recognized as a Sagamore of the Wabash, the highest honor bestowed by a governor of Indiana.

Mrs. Glick’s interest in philanthropy began when, as a seven-year-old school girl, she collected funds to plant trees in Israel. “She made the headlines in the Jewish newspapers in her hometown of Detroit for raising the most money for this cause,” Dr. Cantor said. “It was the beginning of her way of life and the first of many contributions she made to better the world.”

Her philanthropic spirit was part of her DNA. It was who she was.

Louis B. Cantor, M.D.
Chairman
Department of Ophthalmology

Mr. and Mrs. Glick started what is now the Gene B. Glick Company, one of the largest privately-held real estate development firms in the country. The couple began the home-building business after World War II and later began developing apartment communities.

The Glicks also supported many programs in the Indianapolis community, including the Indiana Authors Award at the Indianapolis-Marion County Public Library Foundation and Pro 100, a leadership program for underprivileged youth.

Through their leadership and support, the city of Indianapolis and the Central Indiana Community Foundation created the Indianapolis Cultural Trail: A Legacy of Eugene and Marilyn Glick. The trail also features the Glick Peace Walk. The Indiana Historical Society named its new headquarters on the Indianapolis Central Canal after the Glicks in recognition of their gifts to the organization.

“We are ever so grateful to the Glicks for their generous support and unwavering faith in Indiana University,” said President McRobbie. “The burden is now at our feet, to follow Mrs. Glick’s challenge and put these tremendous resources to work. IU is committed to making her dreams come true with announcements of breakthroughs in vision research from the Glick Eye Institute.”



Dr. Cantor and Mrs. Glick touring the Glick Eye Institute in June 2011

Dr. Cantor's tribute to Mrs. Glick

(published in The Indianapolis Star, March 26, 2012)

I was in my office at the Eugene and Marilyn Glick Eye Institute when I learned of the death of **Marilyn Glick** this morning. This building and everything it represents is a lasting tribute to her and her vision for research, education and clinical care in the Department of Ophthalmology at the Indiana University School of Medicine. Marilyn understood that the greatness of the Glick Eye Institute rested not in the bricks and mortar of the building but in the people and programs within that enhance our understanding of vision care and treatment.

Long a champion of early detection of vision problems in order to reduce and eliminate blindness and vision loss, Marilyn was passionate about her desire to give IU the resources to find treatments and cures for blinding and debilitating eye diseases. She also challenged our community to join in the fight to cure blindness, and we are grateful to the many alumni, donors, and friends who have joined with Mrs. Glick to make the eye institute a reality. We are fortunate to have this space to practice medicine, perform research and provide education and training opportunities for our next generation of physicians.

When Marilyn and her husband made their gift to IU towards the development and construction of an eye institute along with providing funding for an initial endowment, she knew she would not benefit from the advancements in vision care that would result from her generosity. She did know, however, that cures for blindness would be found here. Indeed, it was her mandate. She has left us with a mighty legacy.

We thank her for her vision and her desire to include IU as a leader in vision research and patient care. Today, when you look at the beautiful flowering trees and buds that signal spring, thank Marilyn Glick for her dedication to the preservation of vision, and be thankful that you have the most precious of all senses, the gift of sight.

To make a gift honoring the memory of Marilyn Glick, please use the form below.

Any questions should be directed to

Linda E. Cantor, J.D.

Director of Development
Eugene and Marilyn Glick Eye Institute
Indiana University School of Medicine
lcantor2@iupui.edu

Phone: 317.274.3602 or 800.643.6975

In Loving Memory of

Marilyn K. Glick

Eugene and Marilyn Glick Eye Research Endowment
(P37-MOPH-07-7)

Name(s) _____

Address _____

Home Business

City _____

State/Zip _____

Phone _____

Email _____

Notification of your gift will be sent to the person(s) listed below. The gift amount will not be indicated.

Name(s) _____

Address _____

Home Business

City _____

State/Zip _____

Your gift is a wonderful way to memorialize someone important to you and helps the IU School of Medicine advance health in the State of Indiana and beyond.

Please make checks payable to IU Foundation. Mail this card to the IU Foundation, PO Box 660245, Indianapolis, IN 46266-0245. If you would like to make a gift using Visa, MasterCard, American Express or Discover, please call IU Foundation Gift Services at 1-800-558-8311.

Thank you.

Your gift is tax deductible to the extent allowed by law.

Indiana University School of Medicine
Office of Gift Development
317.274.3270 or 800.643.6975
www.medgifts.iu.edu

Dr. Plager honored by AAPOS and Children's Eye Foundation

David A. Plager, M.D., Professor of Ophthalmology and director, Pediatric Ophthalmology and Adult Strabismus Service, was recently awarded the Lifetime Achievement Award by the American Association for Pediatric Ophthalmology and Strabismus (AAPOS).

The Lifetime Achievement Award is given to recognize members who contribute to the AAPOS mission. Honor points are accrued for participating in the annual meeting; serving as a committee member or chair; as a member of the board of directors; participating on the Journal of AAPOS editorial board and presenting lectures and symposia.

Dr. Plager is the immediate past president of AAPOS and is the 21st recipient of this award in the 38 year history of AAPOS.

Dr. Plager also received the Parks Medal from the Children's Eye Foundation. Named for the late Dr. Marshall M. Parks, a father of pediatric ophthalmology, and Dr. Plager's fellowship mentor, this medal is awarded annually to those who have made significant contributions to pediatric ophthalmology.

Dr. Plager received the bronze medal in recognition of his service to pediatric ophthalmology through his leadership position at AAPOS.



A morning view of the Glick Eye Institute's signature artwork "Open Eyes" by sculptor Don Gummer.

Photo - Jeff Kisling, RRT, Riley Hospital for Children



David A. Plager, M.D. (right) at the Children's Eye Foundation's Parks' medal reception with (from left) George Beauchamp, M.D., CEO of the Children's Eye Foundation, the mother of Kyle Loshe, a retinoblastoma survivor who is the child in front row, and the other medal recipients Drs. Jerry and Carol Shields, and Jane Redmond, widow of awardee Mike Redmond M.D.

OSIG elects 2012-2013 officers

Officers for the Ophthalmology Student Interest Group (OSIG) for 2012-2013 have been elected. They are:

- Co-Presidents: **Karthik Chandrasekhar**
Josh Paschall
- Vice President: **Austin Gerber**
- Treasurer: **Dulanji Kuruppu**
- Secretary: **Daniel Sassoon**
- Sight Savers Coordinators:
Brian Marek
Annie Schroeder
Anna Pearson
Andrea Wenzel
- Webmaster: **David Yang**

Merrill Grayson, M.D.

Distinguished Professor Emeritus **Merrill Grayson, M.D.**, died January 31, 2012. Dr. Grayson originally joined the faculty of Indiana University School of Medicine as assistant professor of ophthalmology in 1957.

Dr. Grayson was, who was a mentor to many, remained active and served as an advisor to the department until the end of his life.

Many will remember seeing Dr. Grayson only a few months ago at the August 2011 dedication of the Glick Eye Institute.

In 2008, Dr. Grayson was honored with the title of Distinguished Professor Emeritus by the Indiana University School of Medicine and the endowed Grayson Senior Chair in Ophthalmology, which supports vision research in the department was



He is recognized as a foremost authority in the study and understanding of corneal function. He pioneered the process of corneal transplantation by emphasizing the need for obtaining donor tissue. He also introduced the method of cryopreservation of corneal tissue.

He published countless articles and authored several books, including "**Diseases of the Cornea.**" This book, renamed "**Grayson's**

established in his honor.

Over the years, Dr. Grayson made many significant contributions to ophthalmology and IU.

Diseases of the Cornea" in later editions, is acknowledged as one of the classic and most important ophthalmology texts.

Dr. Grayson served the Department of Ophthalmology as chairman on several occasions, and wrote a history of the department.

Memorial gifts may be made to the IU Foundation designating the Grayson Senior Chair in Ophthalmology (account: 37 MOPH 036--Merrill Grayson Chair in Ophthalmology) and mailed to:

IU Foundation
PO Box 660245
Indianapolis, IN 46266-0245

For more about the Grayson Senior Chair, see www.glick.iu.edu/grayson.

New grant allows study of relationship between diabetes, glaucoma

The effect of diabetes on patients with glaucoma is the subject of a new study being undertaken by **Alon Harris, M.S., Ph.D., F.A.R.V.O.**, Director of Clinical Research at the Eugene and Marilyn Glick Eye Institute.

An international expert in glaucoma research, Dr. Harris also oversees the Glaucoma Research and Diagnostic Center at the IU School of Medicine Department of Ophthalmology.

The \$50,000 award, from the American Diabetes Association will allow Dr. Harris and his colleagues to investigate how diabetes affects glaucoma patients and the progression of their disease.

"Glaucoma may develop when intraocular pressure builds within the eye, damaging the optic nerve. However, we've learned that not all glaucoma patients have high pressure and lowering this pressure does not always cure glaucoma. We also know that some patients have reduced blood flow in their eyes. We are researching vascular risk factors to determine if blood flow is a contributing factor to glaucoma," said Dr. Harris.

"We want to find out if blood flow is a side effect of glaucoma, or if it's a root cause of the disease. Additionally, we want to investigate the effects of diabetes on ocular blood flow and how this may contribute to patients with glaucoma progression," said Dr. Harris.

Dr. Harris' study is titled, "Diabetes influence on ocular blood flow, retinal oxygen saturation, ocular structure and visual function in glaucoma patients."

In awarding the grant, the American Diabetes Association noted that Dr. Harris' "pioneering work on identifying vascular markers as risk factors for glaucoma represents an ideal base for further identifying these in patients with diabetes."

Dr. Harris' lab is one of only a handful in the country with the sophisticated imaging devices needed to conduct such a study, including color Doppler ultrasound imaging and laser Doppler imaging to explore the relationship between ocular blood flow and metabolism and diabetes' influence on glaucoma progression.



EUGENE AND MARILYN GLICK EYE INSTITUTE

INDIANA UNIVERSITY
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ARVO Reception set

The Department's annual reception at ARVO will be from 7:30 to 9:30 p.m. Sunday, May 6, at the Marriott Harbor Beach Hotel. The ARVO annual meeting (www.arvo.org/eweb/) will be held May 6 to 10 in Fort Lauderdale, Fla. Please join your colleagues at the reception if you are attending ARVO.

Vision Research Symposium date set

The third annual ***Glick Eye Institute Vision Research Symposium*** will expand to a two-day meeting in 2012 with events set for Friday and Saturday, November 2-3.

Presentations will be held in Spitzberg Hall at the Glick Eye Institute. More information about submitting abstracts will be available soon. Check the website - www.glick.iu.edu for updates.

Residents' Day (continued from Page 2)

The following fees have been set for the day:

- \$50 for meeting only, (includes breakfast, lunch, breaks and conference materials).
- \$75 for meeting and dinner (includes breakfast, lunch, breaks and conference materials and dinner).
- \$35 for Spouse and/or additional guest(s) for dinner.
- There is no charge for residents and fellows.

For more information, contact ***Peggy Hannah*** at (317) 274-2128 or phannah@iupui.edu

Save the date for AAO reception

The department and alumni reception held in conjunction with the American Academy of Ophthalmology meeting in Chicago is set for Nov.10, 2012. Check the ***www.glick.iu.edu*** website for updates.

Call Center Numbers

For appointments and/or referrals to a clinic operated by the Eugene and Marilyn Glick Eye Institute, please call:

317.274.2020 or **877.224.8393** (toll free)

Ophthalmology Update is distributed by the Eugene and Marilyn Glick Eye Institute, Department of Ophthalmology at the Indiana University School of Medicine. Please send any address changes, updates, comments or suggestions for future newsletters to: **Lynn Smith** at 317.274.1044 or smithlyr@iupui.edu