May 2006 was a momentous month for Scheie Eye Institute. Faculty from our F. M. Kirby Center for Molecular Ophthalmology delivered two of the three prestigious lectures at this year’s annual meeting of the Association for Research in Vision and Ophthalmology (ARVO). Edward N. Pugh, Jr., Ph.D., (along with Trevor Lamb, ScD, FRS, FAA, from Australia) delivered the Francis I. Proctor Lecture and Joshua L. Dunaief, M.D., Ph.D., delivered the David Cogan Lecture.

ARVO is the largest eye and vision research organization in the world. 10,250 people from 65 countries attended this year’s annual meeting in Ft. Lauderdale.

**Proctor Award**

The Proctor Medal and Lecture, presented annually, is awarded for outstanding research in the basic or clinical sciences as applied to ophthalmology. The recipient receives a medal and presents a lecture at the annual meeting.

Dr. Edward N. Pugh, Jr., senior scientist at the *F.M. Kirby Center for Molecular Ophthalmology* and the Jules and Doris Stein Research to Prevent Blindness Professor of Ophthalmology at the University of Pennsylvania and Dr. Trevor Lamb, scientist at the Australian National University, received the Proctor Medal for their development of a comprehensive model of photoexcitation in rod receptors and the application of this model to the electroretinogram (ERG). Drs. Pugh and Lamb jointly presented their lecture entitled *Phototransduction, Dark Adaptation and the Retinoid Cycle of Vision.*

Understanding the molecular mechanisms of the process of vision has been a major undertaking. Lamb and Pugh have each spent a substantial proportion of their careers on this endeavor and with great success. Their distinctive contribution has been to combine quantitative electrophysiological experiments with outstanding theoretical analysis based on the known biochemistry and biophysics of vision cells in the retina.

On September 30, 2006, the National Eye Institute awarded grants to three institutions to compare the efficacy of two drugs for the treatment of the neovascular (wet) stage of age-related macular degeneration (AMD), the leading cause of severe vision loss in the U.S. According to NEI officials, the study will cost approximately $16 million. Daniel F. Martin, M.D. of Emory University is the Study Chair, and Stuart L. Fine, M.D. is the Vice-Chair. Maureen G. Maguire, Ph.D., Professor and Director of our Center for Preventive Ophthalmology and Biostatistics, will direct the Coordinating Center which is responsible for orchestrating the study and collecting and analyzing the data from 1,200 patients at 40 clinical centers. Glen Jaffe, M.D., Professor at Duke University, will direct the OCT Reading Center, and Juan E. Grunwald, M.D., Professor and Director of the Vivian Simkins Lasko Retinal Vascular Physiology Center at Scheie, will direct the Photograph Reading Center. Patient enrollment is expected to begin after the first of the year.
Dr. Dunaief and his team found that patients with AMD have elevated retinal iron levels, which could increase retinal oxidative stress. Their studies in mice indicate that retinal iron overload causes a retinal degeneration similar to AMD. Dr. Dunaief’s research goal is to understand why iron builds up in retinas of AMD patients and to test drugs that may protect the retina by reducing its iron levels. In preliminary experiments, they have found iron binding drugs to be protective in their mouse model of AMD. Future experiments are designed to find the most protective iron binding drug, dose, and route of delivery. If iron binding drugs ultimately prove to reduce the risk of progression from early to advanced AMD, they could save the vision of millions.

To celebrate these faculty awards, the department hosted an outdoor reception on Monday evening, May 1 at the Harbor Beach Marriott Resort in Ft. Lauderdale. More than 200 guests from around the world joined our faculty to recognize the achievements of Drs. Pugh and Dunaief.

The Cogan Award and Lecture were established to commemorate the outstanding leadership of David G. Cogan, M.D., Emeritus Professor of Ophthalmology at Harvard. It is presented annually in recognition of a researcher, age 40 or younger, who has made important contributions to research directly related to disorders of the eye or visual system, and who shows substantial promise for future accomplishments. The recipient presents the Cogan Lecture at the ARVO annual meeting and receives a plaque and a bronze bust of David Cogan, sculpted by ARVO member Ephraim Friedman, M.D., and supported by Steven E. Wilson, M.D., through the ARVO Foundation.

Dr. Joshua L. Dunaief, clinician-scientist at the F.M. Kirby Center for Molecular Ophthalmology at the University of Pennsylvania, received the Cogan Award for his innovative investigations of iron metabolism and oxidative damage in the pathogenesis of age-related macular degeneration (AMD). His lecture was entitled, *Iron Induced Oxidative Damage as a Potential Factor in Age-related Macular Degeneration.*

The Proctor and Cogan Lectures are available for viewing online on the ARVO website, [http://www.blueskybroadcast.com/Client/ARVO-0406/L56Awards/](http://www.blueskybroadcast.com/Client/ARVO-0406/L56Awards/), and will be published in a forthcoming issue of *Investigative Ophthalmology & Visual Science (IOVS).*

**Selected Faculty Awards**

**Joshua L. Dunaief, M.D., Ph.D.**, Assistant Professor of Ophthalmology and scientist at the F. M. Kirby Center for Molecular Ophthalmology, received the Research to Prevent Blindness (RPB) William & Mary Greve Scholar Award for $60,000 to support his investigations concerning the role of iron overload in the pathogenesis of age-related macular degeneration.

The Department of Ophthalmology was awarded a grant of $110,000 from RPB to support research into the causes, treatment and prevention of blinding diseases. The research will be directed by **Stuart L. Fine, M.D.**, Chairman. **Samuel G. Jacobson, M.D., Ph.D.**, Director of the Center for Hereditary Retinal Degenerations, received the Ruth and Milton Steinbach Fund Award and the Alcon Research Institute Award.

**Kenneth S. Shindler, M.D., Ph.D.**, Assistant Professor of Neuro-ophthalmology and scientist at the F. M. Kirby Center for Molecular Ophthalmology, received a Career Development Award from RPB. This $200,000 grant is the seventh Career Development Award to faculty at Scheie Eye Institute. “I will be using this award to support my studies of optic neuritis in multiple sclerosis. Typically, optic neuritis runs a self-limited course with good recovery of vision, but some level of permanent damage occurs due to death of retinal ganglion cells whose axons form the optic nerve. I am studying how retinal ganglion cells die during an episode of optic neuritis and evaluating potential new therapies to prevent nerve cell damage.”

**Nicholas J. Volpe, M.D.**, Professor, Vice Chair and Residency Program Director, received Penn’s Robert Dunning Dripps Memorial Award for Excellence in Education. His exemplary leadership of our residency program has been acknowledged by his receipt in 2004 of the Bradley R. Straatsma Award for Excellence in Residency Education, an award given jointly by the Association of University Professors of Ophthalmology (AUPO) and the American Academy of Ophthalmology (AAO). Dr. Volpe headed AUPO’s national task force to develop tools for competency-based education in ophthalmology.
When the Scheie Eye Institute building was completed in 1971, its “eye” shape and modern concrete feel were striking characteristics. The architectural firm of Vincent Kling received the National Concrete Award for innovative use of concrete. At that time, the third and fourth floors were used for extended hospital care of patients recovering from eye surgery and the first floor was designed for Dr. Scheie’s clinical practice. No one imagined that 35 years later, the building would handle 60,000 outpatient visits each year through the practices of 24 ophthalmologists.

The time has come for a much-needed renovation of the patient care areas on the first and second floors. The second floor renovation plan will extend the bridge walk over the lobby to create a new patient waiting area. Additions on the opposite side of the bridge will house areas for patient reception, surgical consent and education, a physician office and rest rooms. The plan also provides for a procedure room, two more exam rooms and additional diagnostic testing space. A long-forgotten “balcony” will add over 4 feet to the length of each patient exam room.

The plan is in the final phase of schematic design. Construction should commence in spring 2007. The second floor project is largely but not completely funded thanks to an estate gift and many other generous donations this past year. Naming opportunities still exist. Please call Ann Sacks at (215) 662-8774 for more information.
Scheie Dedicates Auditorium and Annual Conference to David M. Kozart, M.D.

On March 4, 2006, Scheie Eye Institute conducted a clinical conference and dedicated its teaching auditorium to honor the memory of long time faculty member and esteemed colleague, David M. Kozart, M.D., who passed away in March 2005. The David M. Kozart Auditorium was the venue for the inaugural David M. Kozart Clinical Conference, which will become an annual event. The conference format featured clinical presentations by current residents and fellows, Drs. Catherine Cukras, Michael Walker, Newman Sund, and Shane Kim. Drs. Stephen Orlin and Michael Sulewski, Co-Directors of the Cornea Service at Scheie, moderated the conference.

After an elegant breakfast in the Scheie lobby, nearly 150 family members, friends, and physicians attended a ceremony to dedicate the auditorium for Dr. Kozart. Speakers included Drs. William C. Frayer, Stephen Orlin, Larry Bloom, Jack Ende, Dean Arthur Rubenstein, and David’s son, Dr. Michael Kozart. Dr. Stuart L. Fine, Director of the Scheie Eye Institute moderated. Each speaker provided insightful comments about the man who contributed so much to the Scheie Eye Institute as well as to the School of Medicine at the University of Pennsylvania. Dr. Fine observed, “David’s pointed questions and demand for precision elicited the best work from residents and fellows each Thursday at Ophthalmology Grand Rounds. It is entirely fitting that the Scheie Eye Institute remembers David, one of our most dedicated ophthalmologists, by giving his name to our auditorium and dedicating an annual conference to him.”

At the conclusion of the ceremony, Dr. Fine unveiled the plaque commemorating Dr. Kozart’s career at Penn. This plaque is mounted in a prominent place on the wall of the David M. Kozart Auditorium.

The family of Dr. David Kozart gather around the plaque that hangs in the auditorium that bears his name. From left, Son-in-law and daughter Fred and Deborah Ludtke, daughter-in-law Mary Barsony and son Michael Kozart, Mrs. Elizabeth Kozart and Dr. Stuart Fine, daughter Marjorie and son-in-law Kevin Volpp.
The 132nd Anniversary Spring Meeting and dinner dance took place May 12-13, 2006. The scientific meeting, which attracts Scheie alumni/alumnae, area ophthalmologists and Scheie faculty and staff was held in the recently dedicated David M. Kozart Auditorium. Bartly J. Mondino, M.D., Professor and Chair of Ophthalmology at UCLA, delivered the Francis Heed Adler Lecture titled *Pseudomonas Aeruginosa and the Anterior Segment of the Eye*, a topic of major concern to contact lens wearers.

A dinner dance was held at the Rittenhouse Hotel ballroom in Philadelphia on Friday evening. Alumni/alumnae from the classes of 1966, 1976, 1986 and 1996 were honored.

The 133rd Anniversary Spring Meeting will be held on June 22 and 23, 2007. Guest speakers include: Russell Van Gelder, M.D., Ph.D., Janey Wiggs, M.D., Ph.D., Robert D’Amato, M.D., Ph.D., Daniel Martin, M.D., and Joan O’Brien, M.D.
Juan Grunwald Heads Reading Center Study To Investigate Relationship Between Retinopathy and Renal Disease

Chronic renal insufficiency (CRI) is a silent epidemic affecting more than 10 million Americans. Cardiovascular disease (CVD) is a leading cause of death in the US. Both conditions are caused by blood vessel abnormalities. To gain better understanding of the relationship between progressive renal disease and cardiovascular disease, the National Institute of Diabetes, Digestive, and Kidney Diseases (NIDDK) established the Chronic Renal Insufficiency Cohort (CRIC) Study in 2001. The principal goals of the CRIC Study are to examine risk factors for end stage renal disease among patients with varying severity of chronic renal insufficiency, and to develop predictive models that will identify high-risk subgroups with CRI.

Earlier this year, Juan E. Grunwald, M.D., Professor of Ophthalmology and Director of the Vivian Simkins Lasko Retinal Vascular Research Laboratory, was awarded a grant from the National Eye Institute to investigate the relationship between retinopathy and end stage renal disease in the CRIC subjects. Grunwald and colleagues will assess whether retinal vascular abnormalities can provide information of prognostic value regarding the progression of renal and cardiovascular disease. Potentially, non-invasive retinal photographs could provide unique information about the microvasculature that would not be available through any other means. Such information could identify new risk factors that would significantly improve the predictive models to be developed through the CRIC study.

The RCRIC study will obtain retinal photographs of 2200 patients with chronic renal insufficiency in six clinical centers throughout the United States. These photographs will be analyzed at the Fundus Photograph Reading Center at Scheie. Results of this analysis will be merged with the large databases collected in the CRIC study that is following patients for several years.

The overall study is headed by Harold I. Feldman, M.D., Professor of Medicine and Epidemiology at Penn. The CRIC patients will be photographed and followed at the Renal Divisions of six clinical centers located at the following institutions:

- University of Maryland
  Baltimore, MD
- Case Western Reserve University
  Cleveland, OH
- University of Michigan at Ann Arbor
  Ann Arbor, MI
- University of Illinois at Chicago
  Chicago, IL
- Kaiser Permanente of Northern CA
  Oakland, CA
- University of Pennsylvania
  Philadelphia, PA

Left: normal retina. Right: retina with abnormal blood vessels and small hemorrhages characteristic of diabetic retinopathy. The Fundus Photograph Reading Center at Scheie will grade photographs of the retina and compare the results to other indices of cardiovascular and renal disease in the same subject.

Scheie Reading Center Staff: Standing: Kristin Mathias, Revell Whittock, Juan E. Grunwald, Alex Khvatov. Sitting: Kathy McWilliams and Judy Alexander.
WILLIAM V. ANNINGER, M.D.

Will recently completed his fellowship in pediatric ophthalmology at Children’s Hospital and joined the faculty as an Assistant Professor of Clinical Ophthalmology. Will chose pediatric ophthalmology because, “It is an underserved field in ophthalmology with great diversity in pathology. There also are many opportunities to teach and participate in international ophthalmology initiatives. But what I enjoy most is the children.”

Will completed his undergraduate degree at the University of Michigan and medical degree from Dartmouth Medical School. He completed post-doctoral training at the William Havener Eye Institute, Department of Ophthalmology at Ohio State University.

During his fellowship at CHOP, he received broad exposure to pediatric strabismus, craniofacial abnormalities, glaucoma, cataracts, uveitis and retinal issues, “in a wonderful atmosphere and guided by dedicated and fun-loving mentors.”

Will and his wife Carol have two children, 6 year old Noah and 3 year old Lily. His interests are woodworking and aerobic activities, particularly technical balance challenges, outdoors in any weather. “I love finding clever ways to include my kids in these passions and am the happiest when my heart rate is above 155.”

JENNIFER HALL, M.D.

After receiving two degrees in chemistry, a B.A. from the University of Pennsylvania in 1979 and an M.S. degree from Yale University in 1981, Jenny took an atypical path. She raised a family, working variously as a computer systems analyst, children’s art teacher, and as the founder and manager of an educational book club for children. Years later, she obtained her medical degree from the University of Pennsylvania and completed her residency in ophthalmology at Scheie.

Jenny joined the faculty in July, and will divide her time between her dual responsibilities as a comprehensive ophthalmologist and a neuro-ophthalmology fellow. Jenny’s interest in neuro-ophthalmology emerged while in medical school from her research with Dr. Volpe on the role of unilateral temporal artery biopsy in the diagnosis of temporal arteritis, the results of which she presented at the American Academy of Ophthalmology in 2001. Jenny enjoys the variety involved in comprehensive ophthalmology, and the many ways to help people improve their vision. Jenny says, “I greatly appreciate the support and guidance of my mentor, Nicholas J. Volpe, M.D., who has allowed me to develop a customized career path in a challenging subspecialty.”

Jenny and her husband David have three children. She enjoys hiking, gardening and spending time with her family, including her Siamese cats and new golden retriever puppy.

VATINEE Y. BUNYA, M.D.

Vatinee was born in Bangkok, Thailand and came to the United States with her family when she was eight months old. She grew up in Penn Valley, PA.

She was graduated from Princeton University with a degree in Molecular Biology and received her medical degree from the University of Pennsylvania. She interned at Scripps Mercy Hospital in San Diego before completing her residency and a cornea fellowship at Wills Eye Hospital in Philadelphia.

The cornea subspecialty appealed to Vatinee because of the interesting surgical combinations and the development of new techniques such as Descemet’s Stripping Endothelial Keratoplasty (DSEK). She states, “I love that ophthalmology combines surgery with the ability to develop long-term relationships with patients in the office. Also, the surgeries are very elegant and can significantly lead to a better quality of life for patients.”

Vatinee is married to Jason Hsu, M.D., a 2005 Scheie residency graduate. Their son, Aidan, was born June 2006.

She enjoys playing tennis, photography, and traveling.

DEBORAH S. KELLY, M.D.

Debbie, a native Philadelphian, was born at the Hospital of the University of Pennsylvania and spent her formative years in Rydal, PA. She attended Abington High School where she was class valedictorian.

She was graduated from Yale University with a B.A. in Molecular Biochemistry and Biophysics and received her medical training at Columbia University College of Physicians and Surgeons. After completing her residency at Emory University in Atlanta, Debbie accepted a faculty appointment at Scheie.

Debbie chose ophthalmology because she loves physics and the role it plays in the functioning of the eye, the precise and fascinating nature of surgery, and because many eye conditions can be treated and corrected. Debbie says, “I value vision and the part it plays in my life, and I enjoy working with patients to help to preserve that important aspect of their lives.”

Debbie is a huge “Philly” sports fan and enjoys all four major professional sports. She is a former gymnast who was competitive from childhood through college. Currently, she participates in a variety of running, cycling and triathlon events, including having completed two “IronMan™” triathlons.

She met her husband Paul while training for a competition. They have a 16-month-old daughter, Michelle.

We welcome Debbie to the Scheie family.
AUPO/RPB FORUM

Newman Sund, M.D., Ph.D., who recently completed his residency in ophthalmology at Scheie, was honored at the annual meeting of the Association of University Professors of Ophthalmology during the AUPO/RPB Resident and Fellow Research Forum. Dr. Sund presented his work on retinal oxygen imaging in mice using phosphorescence.

FFB TRUSTEES MEET AT PENN

The Foundation Fighting Blindness (FFB), a major philanthropy which supports retinal degeneration research throughout the world, convened at the F.M. Kirby Center for Molecular Ophthalmology on September 19-20, 2006. The meeting began with a tour of the F.M. Kirby Center laboratories followed by brief presentations by four F.M. Kirby Center principal investigators whose research has been supported by the Foundation Fighting Blindness (Eric A. Pierce, M.D., Ph.D., Jean Bennett, M.D., Ph.D., Edward N. Pugh, Jr., Ph.D., and Samuel G. Jacobson, M.D., Ph.D.). Dr. Pierce serves as Chair of the Scientific Advisory Board of the Foundation.

Dr. Stuart L. Fine, Chair of the Penn's Department of Ophthalmology and Director of the Scheie Eye Institute, moderated the scientific program and thanked the Foundation for its substantial long term and continuing support of retinal degeneration research at Penn, across the U.S., and around the world.

HOW THE WORLD SEES SCHEIE

Scheie Eye Institute Stands Tall Among Departments of Ophthalmology

- #5 in the U.S. in NIH grant support for eye and vision research
- Listed again as one of the top eye institutes in US News and World Report
- Cited repeatedly in Ophthalmology Times as among best in U.S. in research and ophthalmology residency programs
- Cited by AUPO's Resident Matching Program as #1 among all U.S. medical schools with respect to number of medical students applying for ophthalmology residency

HEED FOUNDATION RESIDENTS RETREAT

On September 17 and 18, the Heed Ophthalmic Foundation sponsored a two-day retreat to inform 22 residents, nominated by their chairs, about careers in academic ophthalmology. The faculty included current K grant awardees, recent RO1 awardees, senior faculty members, and the Heed Trustees, with a balance between clinicians whose research is focused on laboratory research and clinical research. The retreat agenda consisted of topics geared to provide insight into what it takes to be successful in academic ophthalmology. The venue for the meeting was the Airlie Conference Center, about 35 miles southwest of Washington. Airlie was the site for the 1968 Symposium on the Treatment of Diabetic Retinopathy which gave birth to the Airlie Classification of Diabetic Retinopathy. The Heed Foundation Trustees will evaluate the retreat during the AAO meeting this November and make plans for a follow up in 2007.
WELCOME TO NEW RESIDENTS AND FELLOWS

LEON CHARKOUDIAN, M.D.

Leon is a graduate of Cornell University and the Johns Hopkins University School of Medicine. He completed a medicine internship at Albert Einstein Medical Center. In his spare time, Leon plays acoustic and electric guitar. He and his wife, Nicole, a Medicine Resident at HUP, live in Bala Cynwyd.

NETAN CHOUDHRY, M.D.

Netan, a native of Canada, was graduated from McMaster University. He completed the Transitional Internship Program at Frankford Torresdale Hospital upon graduating from Georgetown University School of Medicine. Netan plays hockey, enjoys cooking and was once a professional disc jockey.

SUDHA NALLASAMY, M.D.

Sudha is a graduate of Case Western Reserve University and Penn Medical School. She served as a Howard Hughes Medical Student Fellow for one year under the guidance of Dr. Terri Young, studying the genetics of pediatric eye disorders. In June, Sudha completed an internship in Pediatrics at CHOP. In her free time, Sudha enjoys running and traveling.

MEREDITH REGINA, M.D., PH.D.

A native New Yorker, Meredith was graduated from Hofstra University. She completed the Medical Scientist Training Program at the University of Buffalo School of Medicine where she received an M.D. and a Ph.D. in Pharmacology and Toxicology. Meredith spent last year as an intern in the Presbyterian Transitional Program. She is an accomplished violinist and enjoys rollerblading and cooking.

ALI ZAIDI, M.D.

Ali is a graduate of Stanford University and the University of California, San Francisco, School of Medicine. He completed the transitional year program at Cambridge Hospital in Massachusetts. Prior to medical school, Ali spent a year as a science teacher at an American school in Casablanca, Morocco. In their spare time, Ali and his wife, Erum, enjoy traveling to places such as Ecuador, Turkey, India and Pakistan.

GIL BINENBAUM, M.D.
Pediatric Ophthalmology Fellow

Gil is a familiar face to the Penn/Scheie community having graduated from Penn Medical School and completing the residency program at Scheie in June 2006. Gil enjoys spending his spare time with wife Andi, and their two children, Emi and Nate.

CHRISTOPHER GLISSON, D.O., M.S.
Neuro-ophthalmology Fellow

A graduate of Michigan State University Colleges of Osteopathic Medicine and Human Medicine, Chris completed his Neurology residency at MSU as well. Chris and his family are having fun exploring Philadelphia and its suburbs.

JENNIFER HALL, M.D.
Neuro-ophthalmology Fellow

Like Gil, Jenny also was graduated from Penn Medical School and completed the residency program at Scheie in June 2006. She will continue part time as a Neuro-ophthalmology fellow and part time as attending physician on the Comprehensive Ophthalmology Service. Jenny spends her free time with her husband, David, and their three children.

RACHEL NIKNAM, M.D.
Glaucoma Fellow

Rachel was graduated from Jefferson Medical College and completed her residency in ophthalmology at Drexel University. Rachel lives in Elkins Park with her husband and their 4 children and enjoys swimming and gardening.

SHIRAH SCHWARTZ-JACOBS, M.D.
Pediatric Ophthalmology Fellow

Shirah was graduated from Albert Einstein Medical School and completed a residency in ophthalmology at the Long Island Jewish Health System.

EDWARD WLADIS, M.D.
Oculoplastics Fellow

Ted was graduated from SUNY-Syracuse School of Medicine and completed his ophthalmology residency at the University of Medicine and Dentistry in New Jersey. He served as a fellow in Oculoplastic and Orbital Surgery at the University of Vermont for a year prior to his arrival at Scheie. Ted is an avid marathon runner. Keep an eye out for him along the Kelly and West River Drives!
3rd Annual
PENN OPHTHALMOLOGY
REVIEW COURSE
A CME-certified course
February 6-10, 2007

Cataract & Refractive Surgery ................................................................. Mina Massaro-Giordano, MD, Michael E. Sulewski, MD
Cornea/External Disease ........................................................................ Stephen E. Orlin, MD, Michael E. Sulewski, MD
Glaucoma .......................................................................................... Eydie G. Miller-Ellis, MD, Constance O. Nduaguba, MD, Prithvi S. Sankar, MD
Neuro-Ophthalmology ........................................................................ Nicholas J. Volpe, MD
Oculoplastics/Orbit ................................................................................ Roberta E. Gausas, MD
Oncology ......................................................................................... David H. Abramson, MD
Optics/Refraction ............................................................................... G. Vike Vicente, MD
Pathology .............................................................................................. Robert L. Peiffer, DVM, PhD, Myron Yanoff, MD
Pediatric Ophthalmology ................................................................. William V. Anninger, MD, Brian J. Forbes, MD, PhD, Graham E. Quinn, MD, Michael X. Repka, MD
Retina ......................................................................................... Alexander J. Brucker, MD, Edward A. Deglin, MD, Joshua L. Dunaief, MD, PhD, Stuart L. Fine, MD
Retinal Degeneration ........................................................................ Eric A. Pierce, MD, PhD
Ultrasound ............................................................................................. E. Kym Livingston, ROUB
Uveitis .................................................................................................. Russell N. Van Gelder, MD, PhD

Course Director: Nicholas J. Volpe, MD

The Union League of Philadelphia
140 South Broad Street
Philadelphia, PA 19102

The University of Pennsylvania School of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians. This activity has been approved for AMA PRA Category 1 Credit(s)™.

For more information, please contact Jenny Bartelle at 215-662-8069 or jenny.bartelle@uphs.upenn.edu
LECTURES & SEMINARS
2006 - 2007

Thursdays: 7-8:30 AM & Saturdays: 8-12 Noon

October 26, 2006 - (Thursday)
Steven L. Galetta, M.D.
University of Pennsylvania / Optic Neuritis

November 2, 2006 (Thursday)
Richard A. Stone, M.D.
Scheie Eye Institute / Neurobiology Research

November 30, 2006 - (Thursday)
Eric A. Pierce, M.D., Ph.D.
Scheie Eye Institute / Analysis of Photoreceptor Cilia

December 7, 2006 - (Thursday)
Todd P. Margolis, M.D., Ph.D.
UCSF / New Concepts in Ocular Zoster
Kenneth Nischal, M.D.
Great Ormond Street Hospital
London, England

December 21, 2006 - (Thursday)
Richard A. Cooper, M.D.
University of Pennsylvania / Preparing for a Future with Too Few Physicians

January 4, 2007 - (Thursday)
Eydie G. Miller-Ellis, M.D.
Scheie Eye Institute / Glaucoma

January 11, 2007 - (Thursday)
Constance O. Nduaguba, M.D.
Scheie Eye Institute / Student Sight Saver Program

January 18, 2007 - (Thursday)
Stephen E. Orlin, M.D.
Scheie Eye Institute / Is Penetrating Keratoplasty Dead?

February 6-10, 2007 - (Tuesday - Saturday)
Comprehensive Ophthalmology Review Course
The Union League of Philadelphia
(See Page 10)

March 1, 2007 - (Thursday)
Michael E. Salewski, M.D.
Cornea/External Diseases

March 8, 2007 - (Thursday)
Peter Hersh, M.D.
UMDNJ / Refractive Surgery

March 10, 2007 - (Saturday)
David M. Kozaart Clinical Conference
Chairs: Steven E. Orlin, M.D.
Michael E. Salewski, M.D.

April 19, 2007 - (Thursday)
Joshua L. Dunaief, M.D., Ph.D.
Scheie Eye Institute / AMD

April 21, 2007 - (Saturday)
Francis Heed Adler Lecture
Travis A. Meredith, M.D.
University of North Carolina

May 17, 2007 - (Thursday)
Barrett G. Haik, M.D.
Ocular Oncology
University of Tennessee - Memphis

May 19, 2007 - (Saturday)
Glaucoma Conference
Cynthia Grosskreutz, M.D., Ph.D.
Massachusetts Eye and Ear Infirmary
Harvard University
Director: Prithvi S. Sankar, M.D.

June 19, 2007 - (Saturday)
Glaucoma Conference
Cynthia Grosskreutz, M.D., Ph.D.
Massachusetts Eye and Ear Infirmary
Harvard University
Director: Prithvi S. Sankar, M.D.

June 22-23, 2007 (Friday & Saturday)
133rd Anniversary Meeting

Accreditation Statement
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For further information, or to be placed on our mailing list, contact
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Department of Ophthalmology
Scheie Eye Institute

Comments, suggestions?
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To remove name from mailing list, call above number.