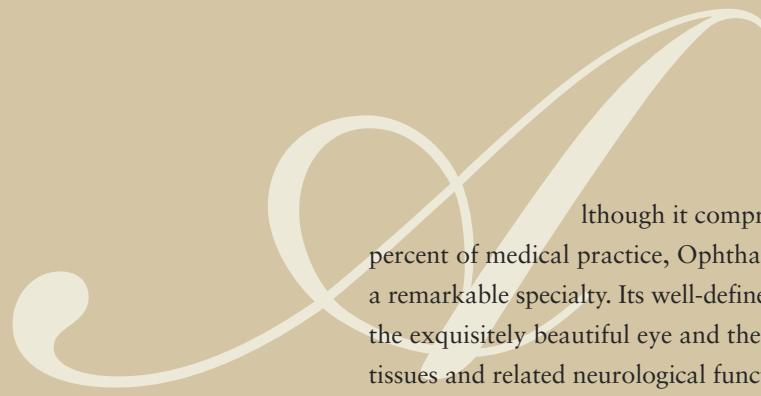
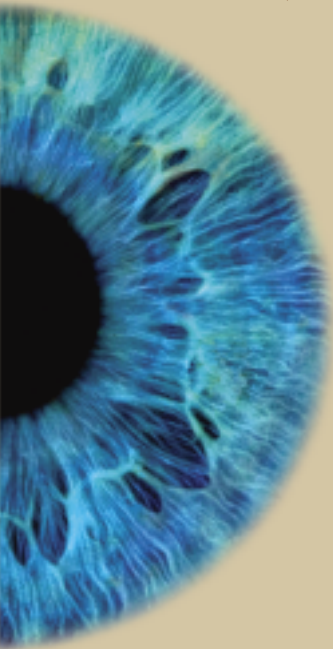


DEPARTMENT OF **OPHTHALMOLOGY**

Weill Cornell Medical College  
New York-Presbyterian Hospital



# *Our Sight is the most perfect and*



Although it comprises just three percent of medical practice, Ophthalmology is certainly a remarkable specialty. Its well-defined concentration on the exquisitely beautiful eye and the eye's surrounding tissues and related neurological functions has given rise to some difficulty placing it in relation to other medical specialties. It is grouped most frequently, by shared history and proximate anatomy, with Otorhinolaryngology. Other pairings include: Neurosurgery, by virtue of rarified surgical sophistication; Radiology and Radiation Oncology, by use of highly complicated instrumentation; and Dermatology, by the performance of laser surgery. Yet, in contrast to many specialties, Ophthalmology is not exotic. An eye examination is a certain and repeated occurrence in the life of every person due to many common conditions such as presbyopia, cataracts, refractive errors requiring glasses or contact lenses, conjunctivitis, etc. In this regard, it actually shares a great deal with Primary Care Medicine. The recognition of this unique combination of characteristics — common disorders, highly sophisticated equipment, and specialized surgical techniques — undoubtedly led to the creation in 1916 of the American Board of Ophthalmology as the first medical specialty board in America.

The Department of Ophthalmology at Weill Cornell Medical College/New York-Presbyterian Hospital has a long and distinguished history. Even a partial list of faculty associated with the Department — John Milton McLean, Edward W. D. Norton, Victor T. Curtin, Harvey A. Lincoff, D. Jackson Coleman, Robert M. Ellsworth, Edward A. Dunlap, Frederick A. Jakobiec, Stanley Chang, David H. Abramson — places it in the company of a few select cradles of innovative leaders

## CONTENTS

Chairman's Letter . . . . .	inside front cover
Excerpt from "John McLean and the Pursuit of Excellence" . . . . .	2
Our Facility . . . . .	6
Physician Profiles . . . . .	9
Senior Professional Staff . . . . .	28
Faculty with Voluntary, Affiliated Institution and Adjunct Appointments . . . . .	29
Community Programs . . . . .	30
Education Programs . . . . .	31
Cornea, Cataract & Refractive Surgery Fellowship . . . . .	33
Vitreoretinal Fellowship . . . . .	34
Queens Eye Center . . . . .	35
New York Downtown Hospital . . . . .	35
International Ophthalmology Initiatives . . . . .	36
Named Lectures . . . . .	37
Research . . . . .	38
Alumni Association . . . . .	40
Giving Opportunities . . . . .	inside back cover

# *most delightful of all our Senses.*

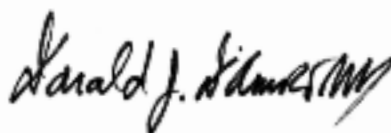
– JOSEPH ADDISON

EVEN A PARTIAL LIST OF FACULTY  
ASSOCIATED WITH THE DEPARTMENT  
... PLACES IT IN THE COMPANY  
OF A FEW SELECT CRADLES OF  
INNOVATIVE LEADERS IN OUR FIELD.

in our field. First, however, there is a need to clarify the changing names of the Department's home institutions. What began in 1898 as Cornell University Medical College was renamed in 1998 as Joan and Sanford I. Weill Medical College of Cornell University, and still later as Weill Cornell Medical College. The other parent institution for the Department, The New York Hospital — chartered by King George III in 1771, and the second oldest hospital in the United States — merged in 1998 with the Presbyterian Hospital (long affiliated with Columbia University) to form the New York-Presbyterian Hospital. It is one of the largest hospitals in the United States, and the only one with a separate medical school at each of its major campuses. However, the "New York" in New York-Presbyterian Hospital is often mistaken for a geographical adjective and not a specific institutional reference. Given the additional fact that the undergraduate campus of Cornell is in Ithaca, NY, it is quite understandable that Cornell University's longstanding medical college in Manhattan — Weill Cornell Medical College — has experienced some degree of name, and even location, confusion.

Recounting the history of the Department is a most worthy subject but is far beyond the scope of this slim volume, which offers an interim report since the most recent chair transition in November 2006. This interim period has been highly active, and we are delighted to offer a summary of our recent activities. Nevertheless, we will benefit from being mindful of our origins, and

so we begin with a personal remembrance of an early and seminal leader of the Department, Dr. John Milton McLean. We are fortunate to have this portrait of Dr. McLean through the recollections of Dr. Edward A. Dunlap in the Fifth McLean Medal lecture delivered May 17, 1985. Dr. Dunlap was the first resident in Ophthalmology under Dr. McLean, who was himself the youngest chief of an Ophthalmology department (then a division). Apart from military service occasioned by the attack on Pearl Harbor, Dr. Dunlap remained on staff in the Department for his entire professional life. He was a most respected and highly talented ophthalmologist, strabismus specialist, and surgical innovator, and he warmly remembers his mentor Dr. McLean, whose vision, skills, and efforts enable, and ennoble, our present activities in the Department of Ophthalmology.



**Donald J. D'Amico, MD**  
*Professor and Chairman  
Department of Ophthalmology  
Betty Neuwirth Lee and Chilly Professor  
in Stem Cell Research  
Weill Cornell Medical College;  
Ophthalmologist-in-Chief  
New York-Presbyterian Hospital*



## Excerpt from, “John McLean and the Pursuit of Excellence”

The Fifth McLean Lecture

Delivered May 17, 1985 by Dr. Edward A. Dunlap

John Milton McLean came here July 1, 1941, six months after I had arrived for the then one year residency. The department head was Bernard Samuels, an internationally recognized figure in ophthalmic pathology. He had little interest in Cornell except for lecturing to the Medical School Juniors. His heart and soul were at the New York Eye and Ear Infirmary. He rarely operated here. His attending staff numbered eight, none full-time. Clinic was open only in the afternoons. We were allotted two half-days a week in the Operating Room. We shared G-8's 29 beds with E.N.T. The Eye and E.N.T. residents actually shared Emergency Room and week-end calls. There were no rounds, no teaching and no salary.

This scene greeted John on his arrival to assume the professorship. He had just finished seven years at Wilmer: five as resident, one as a Mellon Fellow and one as a staff member. Late in the residency there he was known as “The King.” He already had a somewhat formidable reputation, partly based on his ability on Rounds to quote the literature, naming author, journal, date and often page number, and partly from his already well-known corneoscleral suture. He was the youngest person in contemporary ophthalmology to become instant Professor and Department Head. He was 32 years old.

I never saw him smile once in the next six months, let alone laugh. He instituted immediate changes: clinic was opened full time, gloves were worn during surgery, rounds were instituted and the resident was ordered to operate on his own once John felt he was qualified.

It is impossible to condense 27 years of close relationship with reflections upon it into 20 minutes but I hope to give you a picture of him. First, John's involvement in our specialty was ecumenical. He was interested and active in every aspect of eye. He wrote 110 papers. He wrote two surgical textbooks, one on cataracts and one on glaucoma. He contributed to five

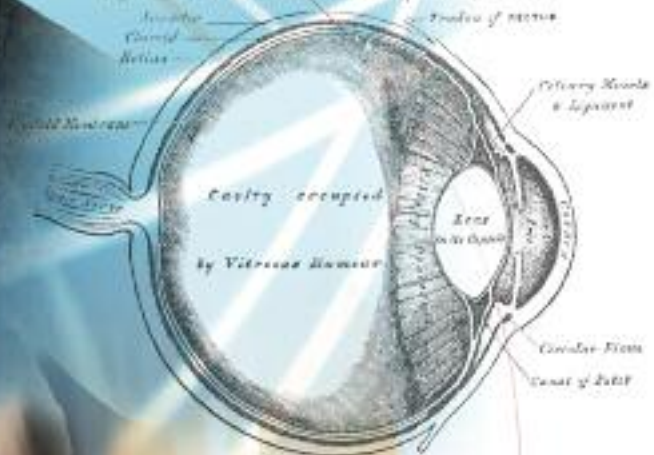
other textbooks. A facet of his writing was that he wrote the original drafts in longhand, made a few alterations and handed the paper to his secretary. No prolonged, laborious polishing for John McLean. He was on the Committee for Tonometer Standardization. He devised a new gonioscope. There was his suture. He helped found the Verhoeff Society and was a president. Something few people know is that he conceived of and established the first Eye Bank in this country here at Cornell. It was shortly thereafter moved to Manhattan Eye and Ear.

**JOHN'S INVOLVEMENT IN OUR  
SPECIALTY WAS ECUMENICAL.  
HE WAS INTERESTED AND ACTIVE  
IN EVERY ASPECT OF EYE.  
HE WROTE 110 PAPERS. HE WROTE  
TWO SURGICAL TEXTBOOKS, ONE  
ON CATARACTS AND ONE ON  
GLAUCOMA. HE CONTRIBUTED  
TO FIVE OTHER TEXTBOOKS.**

He was on the Board of the American Board of Ophthalmology, an officer and Council Member of the American Academy of Ophthalmology and Otolaryngology, a Chairman of the Section on Ophthalmology of the American Medical Association, a Trustee of the American Association of University Professors of Ophthalmology, a President of the New York Ophthalmological Society and a President of the PanAmerican Association of Ophthalmology. He was a member of 20 eye organizations and held honorary membership in 10 more. He delivered nine Memorial Lectures. He received the Gold Medal of the National Society for Prevention of Blindness. Stevens



Fig. 106. - A Vertical Section of the Eyeball. (Walzer's.)



W  
E  
T  
L  
P  
O  
P  
Z  
D



*John Milton McLean*

## Excerpt from, “John McLean and the Pursuit of Excellence”

*continued*

Institute awarded him an honorary degree in Engineering. And on and on. He was even granted honorary membership in the Cornell Eye Residents Alumni Association. All this was accomplished in the span of 27 years before his death in 1968 at age 58. This truly remarkable record is indicative of his abilities and their recognition by others.

An additional major accomplishment was his 48 residents. The training he gave has borne fruit in abundance. His ripples are still spreading. Over 50 percent of his men hold or held medical school appointments. More prestigious, six of his men have become members of the American Ophthalmological Society, a percentage of 12.5; no other training center in this country in this century can match this figure.

A close look at his personality is both relevant and revealing. Most people who knew him casually considered him cold, aloof, arrogant, harsh, sarcastic. But to those who came to know him well he was revealed as warm, friendly, even compassionate. His projected mien of severity was a facade to hide an extreme reserve or, as many believe, an actual shyness. It took all of us some time to realize this. He had a poor bedside manner in the ordinary context of the term and relatively few patients warmed to him, his reserve acting to prevent this. But for his residents he had unending patience and kindness. If a man was doing his best, John always gave total support. In turn, he expected the utmost at all times from them. He would neither abide nor accept sloppy thinking, slovenly performance or flimsy excuse. Heading all his personal traits was a total integrity of self and total intellectual honesty.

He could be short, rough and on occasion even cruel. His most famous remark was to a surgeon busily excusing himself for vitreous loss during a lens extraction. John drily commented, “Vitreous does not run uphill.” In another incident, while scrubbed in with a junior resident, he watched him do a full corneal section which caught iris,

lens capsule and corneoscleral suture in one fell swoop. No remark was forthcoming until after completion of surgery when he turned to the man and asked, “How did you get those gloves on your feet?”

John dearly loved to party, perhaps because then, with the help of liberal ethanol intake, he could overcome his habitual reserve. At house staff parties and the annual summer party up at our farm a standard and established goal was to get him high. We knew this level was reached when he, alone or with companions would start singing “Le Marseillaise.” At that point we knew John had arrived and we all relaxed. On one occasion there was a large party on Howards Hill's boat up in Maine. After dinner John took a large sterling silver tray piled with lobster shells over to the side of the boat and ceremoniously dropped everything overboard in 10 feet of water. The next morning at 7 a.m. he was up and diving to recover the tray, which of course he did.

His father, William McLean was Chief of Ophthalmology in his own right at Flower Fifth Avenue—New York Medical College. It was he who had designed the McLean tonometer. He was a strict Scot in family life, and I am sure John's personality was strongly influenced and molded by his father.

John was a superb surgeon, always working with deliberate and meticulous precision; never rushing, never dallying. I never saw him flustered. He was wholly ambidextrous at the operating table. Duke-Elder once told Derrick Vail, “John McLean was the best ophthalmic surgeon I have ever seen.” Along with



*The McLean  
Tonometer*

IF A MAN WAS DOING HIS BEST, JOHN ALWAYS GAVE TOTAL SUPPORT. IN TURN, HE EXPECTED THE UTMOST AT ALL TIMES FROM THEM. HE WOULD NEITHER ABIDE NOR ACCEPT SLOPPY THINKING, SLOVENLY PERFORMANCE OR FLIMSY EXCUSE. HEADING ALL HIS PERSONAL TRAITS WAS A TOTAL INTEGRITY OF SELF AND TOTAL INTELLECTUAL HONESTY.

his reputation as a surgeon he became a widely sought consultant. He was a national arbiter of complicated problems, be they diagnostic or therapeutic.

But no one is perfect and I must tell you that John had a little clay in his feet. He manifested one trait not in keeping with the rest of his character. He was not a fighter. In the administrative hierarchy of the Center, he leaned far backward to avoid confrontation and unpleasantness. He accepted Center administrative actions without question or complaint. Other than their training, he often seemed to do more for his men outside the hospital than inside. He never fought for departmental recognition and at his death Eye was still a subdepartment of Surgery, although due to his late efforts we attained full departmental status shortly after his death. He avoided disciplinary action when it was indicated. He could be too soft-hearted and at times was. Another incident verges on the ludicrous. When Ed Norton came on the staff as the fourth full-time man, the question of his office space arose. Ed suggested and requested that he be given a 10' x 12' space carved out of the Clinic waiting room. Hospital administration refused, John did not demand increased space for him and the upshot was that Ed Norton left. Well, we all know the serendipitous result of that! It is an interesting tidbit of eye history that the denial of 120 square feet at Cornell evolved into 308,000 square feet in Miami plus five acres of adjoining undeveloped land, plus the leading training Center in the country!

The 1968 Cornell Eye Residents Alumni Association Meeting closed one day before John died on May 2. There was lengthy discussion as to a suitable memorial to

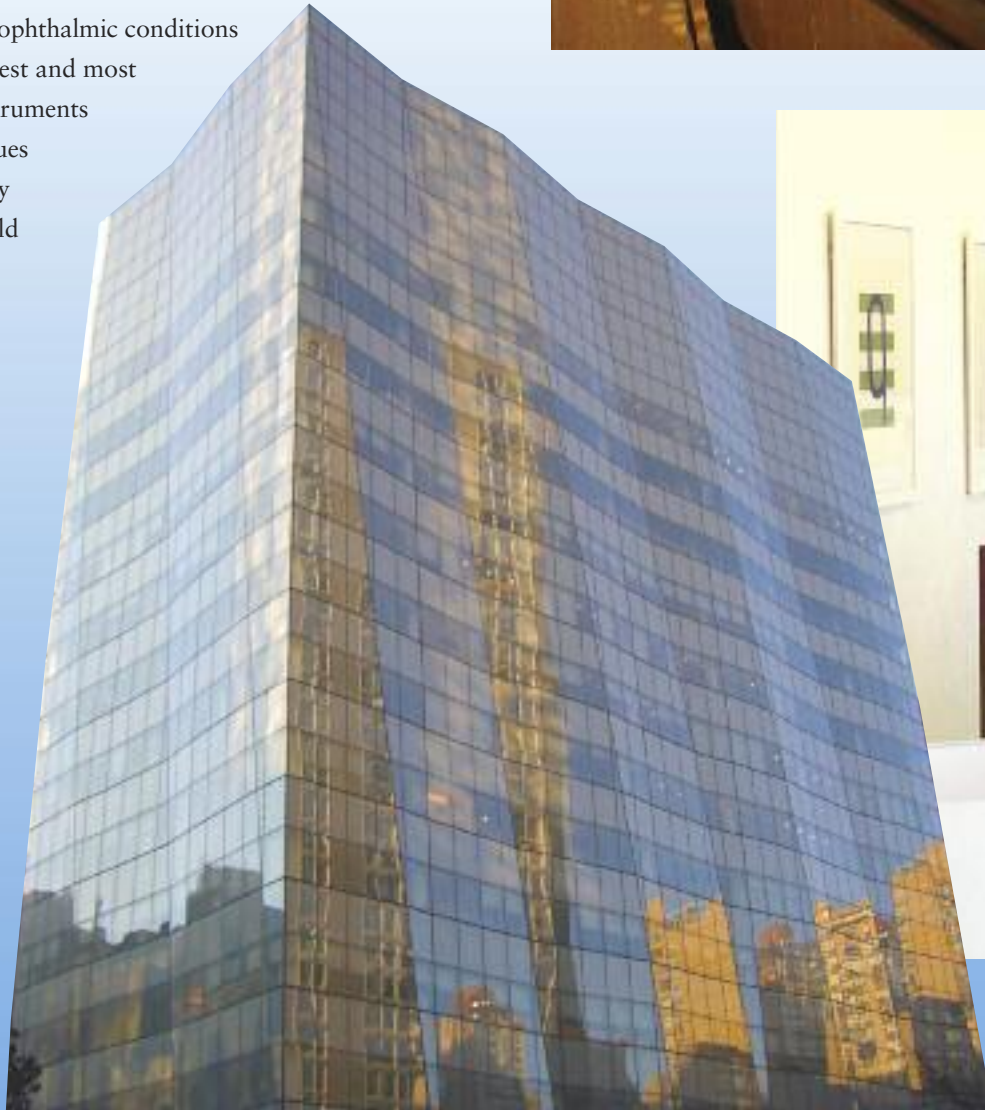
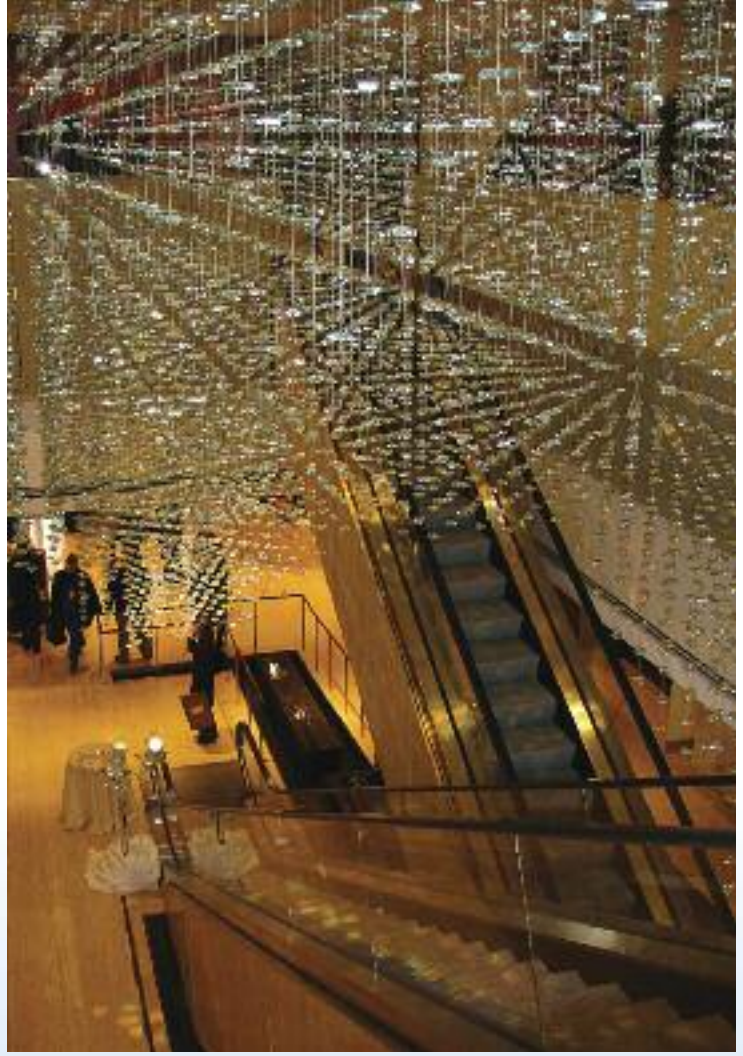
the Chief. I cannot recall who first made the suggestion of endowing a Chair. Administration informed us that \$750,000 would be required. We decided to go ahead and an 18 month drive was launched with \$145,000 seed money pledged by the alumni and eye staff. Administration provided much help and by hard work and good fortune the goal was met actually within hours of the drive closing-time. You should know this is the second chair in ophthalmology to be established in this country.

And now the sadness. John's illness was drawn out, painful and tragic. During a late, very brief partial remission a testimonial dinner was quickly arranged. While of course sad, it was a memorable evening. Thirty-five of his 48 men were there. Walsh and Maumenee came up from Wilmer. Many tributes were paid. When John was called on to close, with his typical Scot manner and courage he said it was not given to many people to be able to attend their own wakes. He told me privately that night that it was the greatest night of his life. Ten weeks later he was gone. During his entire illness I never heard him complain once of his misfortune or his pain, or to rail at Fate or to indulge in self-pity. He faced his long downhill course with its foregone conclusion with calm acceptance, stoicism and total courage. He pursued excellence to the end.

I hope those of you who never knew him now know him as a truly remarkable individual, a giant in ophthalmology in his day, and a man who by his lifelong pursuit of excellence in what he did pointed the way to his residents.

## Our Facility

The patient care area of Weill Cornell Eye Associates in the Department of Ophthalmology occupies 25,000 square feet in the award-winning Weill Greenberg Center at 1305 York Avenue at East 70th Street. This beautiful new facility, constructed by Weill Cornell Medical College with major support from the Dyson Foundation, has been designed to provide exceptional patient care in a most welcoming and attractive environment. The clinical suite is state-of-the-art throughout and includes 28 newly-equipped rooms for individual patient examinations and consultations as well as a specially-designed area for pediatric patients. The facility contains the most advanced diagnostic, therapeutic, and laser technologies available, permitting diagnosis and treatment of the full spectrum of ophthalmic conditions using the finest and most effective instruments and techniques in the rapidly changing field of eye care.





*Dyson Foundation Secretary John FitzSimons, Dean Antonio M. Gotto, Jr., Dyson Foundation President Robert R. Dyson, and Ophthalmology Chairman Donald J. D'Amico dedicate the Dyson Family Floor in Ophthalmology on June 24, 2008*





**PHYSICIAN PROFILES**

## DONALD J. D'AMICO, MD

Professor and Chairman, Department of Ophthalmology  
 Betty Neuwirth Lee and Chilly Professor  
 in Stem Cell Research, Weill Cornell Medical College  
 Ophthalmologist-in-Chief, New York-Presbyterian Hospital

### FELLOWSHIP

Vitreoretinal Diseases, Bascom Palmer Eye Institute, University of Miami

### RESIDENCY

Massachusetts Eye and Ear Infirmary, Harvard Medical School

### MEDICAL SCHOOL

University of Illinois College of Medicine



**D**r. D'Amico is President of the prestigious international retinal specialist Club Jules Gonin and the Immediate Past President of the Retina Society. He has published over 175 articles on vitreoretinal diseases and has co-edited two books covering comprehensive retinal themes. He has participated as a principal investigator or co-investigator in many clinical



trials and laboratory investigations. He is a distinguished national and international lecturer, including over twenty named lectures, and is the recipient of many honors, including the Honor Award and the Senior Achievement Award of the American Academy of Ophthalmology. He twice

won the coveted Teaching Award given by the residents of the Massachusetts Eye and Ear Infirmary. He serves on the board of four major journals, and is highly active in professional societies.

Dr. D'Amico's clinical interests include vitreoretinal diseases and surgery, with particular emphasis on diabetic retinopathy, retinal detachment, age-related macular degeneration, macular disorders, and retinal vascular occlusions. He is particularly known for his expertise in complicated vitreoretinal surgery, and has recently developed new techniques in association with his anterior segment colleagues for restoration of vision in eyes by means of permanent keratoprosthesis.



*Epiretinal membrane peeling*

He has a longstanding clinical interest in endophthalmitis and other inflammatory and infectious conditions of the eye. His research interests include the development of new technologies and lasers for vitreoretinal surgery, studies on models of diabetic retinopathy and retinal detachment, and gene and stem cell therapies for retinal diseases.

### Selected recent publications

**D'Amico DJ.** Primary Retinal Detachment. *New England Journal of Medicine* 2008;359:2346-2354.

**D'Amico DJ.** Giant Retinal Tears. In *Principles and Practice of Ophthalmology*, Third Edition, Albert DM and Jakobiec FA, eds., Saunders Elsevier, Philadelphia, PA, vol. 2, pp 2351-2363, 2008.

**D'Amico DJ, Lit ES, Viola F.** Lamina puncture for central retinal vein occlusion: results of a pilot trial. *Arch Ophthalmol* 2006;124:972-977.

Lu M, **D'Amico DJ.** Anti-VEGF Therapies for Diseases of the Retina and Choroid. In *Ocular Angiogenesis: Diseases, Mechanisms and Therapeutics*, J. Tombran-Tink and C.J. Barnstable, eds., Humana Press, Totowa, NJ, pp 309-339, 2006.

Falkner-Radler CI, Myung JS, Moussa S, Chan RVP, Smretschnig E, Kiss S, Graf A, **D'Amico DJ**, Binder S. Trends in Primary Retinal Detachment Surgery: Results of a Bicenter Study. *Retina* accepted; in press.

## R.V. PAUL CHAN, MD, MSC, FACS

Assistant Professor of Ophthalmology

St. Giles Assistant Professor of Pediatric Retina

Director, Vitreoretinal Fellowship; Director, Retina Service

### FELLOWSHIP

Massachusetts Eye and Ear Infirmary, Harvard Medical School

### RESIDENCY

Weill Cornell Medical College, New York-Presbyterian Hospital

### MEDICAL SCHOOL

Temple University School of Medicine



Dr. Chan is the St. Giles Assistant Professor of Pediatric Retina, Assistant Professor of Ophthalmology at Weill Cornell Medical College, and Division Chief of Ophthalmology at New York Downtown Hospital.

Dr. Chan's primary research interests focus on the pathogenesis and management of retinopathy of prematurity (ROP). He received an NIH K30



Clinical Research Curriculum Award from Weill Cornell Medical College and works with numerous investigators worldwide to address the growing burden of ROP.

Dr. Chan has committed himself to global health initiatives, having established clinical, teaching, and research collaborations in Southeast Asia, Latin America, and Africa. He is currently working with his collaborators on developing ROP educational programs in developing countries, with the goal of providing better access to care for children with this blinding condition. For his efforts and commitment to pediatric retina and ROP, Dr. Chan was awarded an endowed chair by Weill Cornell Medical College.



Dr. Chan is an assistant editor

for *RETINA* and serves on the editorial board for *Ocular Surgery News* and the *Journal of Pediatric Ophthalmology and Strabismus*. He also serves as a reviewer to several major journals.

### Selected recent publications

**Chan RVP**, Williams SL, Yonekawa Y, Weissgold DJ, Lee TC, Chiang MF, Accuracy of Retinopathy of Prematurity Diagnosis by Retina Fellows, *Retina*, 2010 Jun;30(6):958-65.

Wong RK, Khanifar AA, Sun G, Saffra N, **Chan RVP**, Acute Retinal Necrosis and Cystic Encephalomalacia in a Premature Neonate, *Retinal Cases & Brief Reports*. 4:202-205, Spring 2010.

Thyparampil PJ, Park Yangseon, Martinez-Perez ME, Lee TC, Weissgold DJ, **Chan RVP**, Flynn JT, Chiang MF, Plus Disease in Retinopathy of Prematurity (ROP): Quantitative Analysis of Vascular Change, *American Journal of Ophthalmology*, 2010 Oct; 150(4):468-475e2.

**Chan RVP**, Yonekawa Y, Morrison MA, Sun G, Wong RK, Perlman JM, Hartnett ME, Chiang MF, Lee TC, DeAngelis MM, The Association Between Assisted Reproductive Technology and Advanced Retinopathy of Prematurity, *Clinical Ophthalmology*, Nov 2010, Vol 2010:4, 1385-1390.

## JESSICA B. CIRALSKY, MD

Assistant Professor of Ophthalmology  
Director, Medical Student Clerkships

### FELLOWSHIP

Massachusetts Eye and Ear Infirmary, Harvard Medical School, Cornea Fellowship

### RESIDENCY

Massachusetts Eye and Ear Infirmary, Harvard Medical School

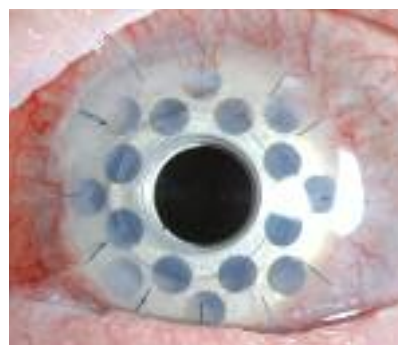
### MEDICAL SCHOOL

Johns Hopkins School of Medicine



Dr. Ciralsky is a cornea and refractive surgeon and comprehensive ophthalmologist. Her practice interests include corneal diseases, corneal surgery (including penetrating keratoplasty, Descemet's stripping endothelial keratoplasty, deep anterior lamellar keratoplasty, and keratoprosthesis), advanced cataract surgery, laser vision correction, pediatric corneal diseases, and comprehensive ophthalmology.

Dr. Ciralsky is actively involved in resident and medical student teaching: She serves as the director of the medical student clerkships and is also



one of the primary instructors of resident cataract surgery. She is also involved in several research endeavors. Her research interests include advancements in corneal transplantation, keratoprosthesis surgery, and autoimmune diseases (Stevens-Johnson syndrome and ocular cicatricial pemphigoid).

### HONORS/AWARDS

- Anne Crosby Emery Fellowship (an award given to two graduating seniors for scholarly ability and excellence of character)
- Heed Ophthalmic Foundation Fellowship
- Chief Clinical Fellow of the Cornea Service
- Fellow of the Year (an award given by the residents of Massachusetts Eye and Ear Infirmary for dedication and contribution to resident education)

### ACADEMIC SERVICE

- Boston Foundation for Sight Ophthalmology Liaison
- Course Director for Keratoprosthesis Update Course
- Course faculty and lecturer at Harvard Medical School Intensive Cataract Surgery Training Course

### Selected recent publications

**J Ciralsky**, G Papaliodis, C Foster, C Dohlman, J Chodosh. Keratoprosthesis in Autoimmune Disease. *Ocular Immunol Inflamm* 2010 Aug; 18(4):275-80. Review.

A Ahuero, F Jakobiec, P Bhat, **J Ciralsky**, G Papaliodis. Paraneoplastic conjunctival cicatrization: two different pathogenic types. *Ophthalmology*. 2010 Apr;117(4):659-64.

**J Ciralsky**, K Colby. Conjunctival Melanomas: Can the Cancer Stem Cell Hypothesis be Applied? *Seminars in Ophthalmology*. 2009 May-Jun; 24(3):161-5.

**J Ciralsky**, K Colby. Congenital Corneal Opacities: A Review with a Focus on Genetics. *Seminars in Ophthalmology*. 2007 Oct;22(4):241-246.

## D. JACKSON COLEMAN, MD

The John Milton McLean Professor of Ophthalmology  
Weill Cornell Medical College

### RESIDENCY

Columbia University Medical Center

### MEDICAL SCHOOL

University of Buffalo School of Medicine



*D*r. D. Jackson Coleman is the John Milton McLean Professor of Ophthalmology and Chairman Emeritus of the Department of Ophthalmology at Weill Cornell Medical College. Dr. Coleman is a Fellow of the American College of Surgeons and is a vitreoretinal surgeon with an interest in ocular oncology, trauma, and all aspects of vitreoretinal disease.

Dr. Coleman has been an officer of every major ultrasound medical society throughout the world, including the American Institute of Ultrasound in Medicine, the Societas Internationalis de Diagnostica Ultrasonica in Ophthalmologia, and the World Federation for Ultrasound in Medicine and Biology, Inc. He is past President of the American Retina Society and Past President of Club Jules Gonin, the International Retina Society. Dr. Coleman has authored over 200 peer-reviewed articles and numerous chapters in ophthalmology textbooks. He has recently published the second edition of his seminal text, *Ultrasonography of the Eye and Orbit*.

Dr. Coleman has committed his eminent career to vitreoretinal surgery, imaging research, and physiologic mechanisms of the eye. Most notable is his theory of accommodation. He has been a pioneer in surgical techniques, having been involved with the first vitreoretinal surgery performed in New York and, using the ultrasound that he developed, demonstrated that operating at an earlier stage in ocular trauma could vastly improve the patient's prognosis for recovery. For his research, he has received many prestigious awards including the Mildred Weisenfeld Award for Excellence in Ophthalmology from the Association for Research in Vision and Ophthalmology, the Herman Wacker Award of Club Jules Gonin, the Award of Merit in Retinal Research from the Retina Society, and an honorary degree from the University of Ferrara in Ferrara, Italy. Dr. Coleman was also the 2001 recipient of the Greenberg Award of New York-Presbyterian Hospital-Weill Medical College of Cornell University.

With a generous gift from Charles and Margaret Dyson, Dr. Coleman established the Margaret M. Dyson Vision Research Institute, one of the major retinal research programs in the world. The Dyson Institute continues research on the causes and possible therapies for age-related macular degeneration and other debilitating eye diseases.

### Selected recent publications

**Coleman DJ**, Silverman RH, Lizzi FL, Reinstein DZ, Rondeau MJ, Lloyd HO, Daly SW. *Ultrasonography of the Eye and Orbit*. 2<sup>nd</sup> Edition. Lippincott Williams & Wilkins, Philadelphia, 2006.

**Coleman DJ**, Silverman RH, Rondeau MJ, Boldt HC, Lloyd HO, Lizzi FL, Weingeist TA, Chen X, Vangveeravong S, Folberg R. "Noninvasive in vivo detection of prognostic indicators for high-risk uveal melanoma: ultrasound parameter imaging," *Ophthalmology* 111:558-564, 2004.

**Coleman DJ**, Silverman RH, Chabi A, Rondeau MJ, Shung KK, Cannata J, Lincoff H. "High resolution ultrasonic imaging of the posterior segment," *Ophthalmology* 111:1344-1351, 2004.

**Coleman DJ**, Fish SK. "Presbyopia, accommodation and the mature catenary," *Ophthalmology*, 108(9):1544-511, 2001.

Silverman RH, Kong F, Chen YC, Lloyd HO, Kim HH, Cannata JM, Shung KK, **Coleman DJ**. High resolution photoacoustic imaging of ocular tissues. *Ultra Med Biol* 2010;36:733-742.

## ANNA-MARIA DEMETRIADES, MD

Assistant Professor of Ophthalmology  
Glaucoma Service

### FELLOWSHIP

Glaucoma, Bascom Palmer Eye Institute, U. Miami

### RESIDENCY

The Wilmer Eye Institute, Johns Hopkins Hospital

### MEDICAL SCHOOL

Oxford University Medical School, England



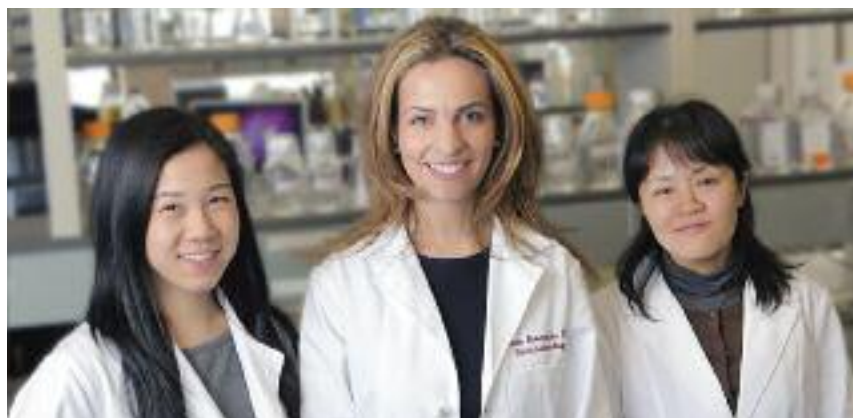
Dr. Demetriades is a glaucoma specialist and her expertise encompasses the medical and surgical management of glaucoma. She performs glaucoma drainage implant surgery, trabeculectomy, glaucoma laser therapy (iridotomy, trabeculoplasty, iridoplasty, diode cyclophotocoagulation), and cataract surgery.

Dr. Demetriades also leads a team of scientists at the Dyson Vision Research Institute. The primary focus of her laboratory is to develop novel treatments for glaucoma. Glaucoma is the leading cause of irreversible blindness worldwide, and investigations aimed at gaining a better understanding of the pathogenesis of glaucoma are currently underway. The purpose of these studies is to establish new targets aimed at delaying and preventing progression of glaucomatous visual loss.

As a clinician-scientist, Dr. Demetriades' goal is to help patients manage their glaucoma and maintain vision throughout their lives.

### HONORS/AWARDS

- W. Richard Green House Staff Teaching Award
- American Diabetes Association Transatlantic Fellowship
- Knights Templar Eye Foundation Research Grant Award
- British Medical Association Research Grant Award



### Selected recent publications

**Demetriades AM.** Gene therapy for glaucoma. *Curr Opin Ophthalmol* 2011; 22(2): 73-7.

**Demetriades AM, Seitzman GL.** Unilateral congenital lacrimal gland agenesis presenting as filamentary keratopathy in a child. *Cornea* 2009; 28 (1): 87-8.

**Demetriades AM, Deering T, Liu H, Lu L, Gehlbach P, Packer JD, MacGabhann F, Popel AS, Campochiaro PA.** Trans-scleral delivery of anti-angiogenic proteins. *J Ocul Pharmacol Ther* 2008; 24 (1): 70-79.

MacGabhann F, **Demetriades AM, Deering T, Packer JD, Duh E, Shah SM, Campochiaro PA, Popel AS.** Protein transport to choroid and retina following periocular injection. *Ann Biomed Eng* 2007; 35 (4): 615-30.

Gehlbach PL, **Demetriades AM, Yamamoto S, Deering T, Duh EJ, Wei L, Campochiaro PA.** Periocular injection of adenoviral vectors encoding pigment epithelium derived factor inhibits ocular neovascularization. *Gene Ther* 2003; 10: 637-646.

**Demetriades AM, Thompson R, Azab A, Stark WJ, Campochiaro PA, de Juan E, Gottsch JD, Haller JA.** Combined phacoemulsification, intraocular lens implantation and vitrectomy for eyes with coexisting cataract and vitreoretinal pathology. *Am J Ophthalmol* 2003; 135: 291-296.

## MARC DINKIN, MD

Assistant Professor of Ophthalmology  
Director of Neuro-Ophthalmology Service

### FELLOWSHIP

Neuro-Ophthalmology, Massachusetts Eye and Ear Infirmary,  
Harvard Medical School

### RESIDENCY

Neurology, New York-Presbyterian Hospital

### MEDICAL SCHOOL

Weill Cornell Medical College



Dr. Dinkin specializes in treating patients with vision problems originating from the nervous system, such as optic neuritis, ischemic optic neuropathy, optic disc edema, brain tumors, strokes, idiopathic intracranial hypertension, double vision, and nystagmus. He has published numerous research articles in peer-reviewed journals and chapters and frequently presents abstracts at national conferences.



He has been an invited lecturer at the Lancaster Course in Ophthalmology, the Greater New York Ophthalmology Clinical Lecture Series, and the New England Ophthalmological Society and has been awarded numerous awards for teaching and clinical care

as well as the Rabkin Fellowship in Medical Education at Harvard Medical School. He has served as a peer-reviewer for Neurology, The Journal of Neuro-Ophthalmology, and the New England Journal of Medicine.

Dr. Dinkin's research interests include neuromyelitis optica, the management of idiopathic intracranial hypertension, and the use of Flicker chronoscopy to document venous pulsations in the optic nerve. He is also a medical illustrator and has composed a series of educational songs to be used by medical students in their neurology clerkship.



### SELECTED HONORS AND AWARDS

- Rabkin Medical Education Fellowship 2008-09
- House Staff Teaching Award 2006
- Class of 1952 Resident Physician Prize 2006
- Distinguished House Staff Award 2005
- Alpha Omega Alpha & Junior Alpha Omega Alpha 2001
- John Metcalf Polk Prize 2002

### Selected recent publications

Brass SD, **Dinkin MJ**, Williams Z, Krishnamoorthy KS, Copen WA, Freeman SH, Case Records of the Massachusetts General Hospital. Case 38-2009 – a 16-year-old boy with paroxysmal headaches and visual changes. *N England J of Medicine*. 2009 Dec 10;361(24):2367-78.

Klein JP, Cohen AB, Kimberly WT, Shah AS, Leiderman YI, Cestari DM, **Dinkin MJ**, Diffusion-weighted magnetic resonance imaging of bilateral simultaneous optic nerve infarctions. *Archives of Neurology*. 2009 Jan;66(1):132-3.

**Dinkin MJ**, Cestari D, Stein M, Brass S, Lessell S. NMO-Seropositive Recurrent Optic Neuritis without Clear Evidence of Transverse Myelitis. *Archives of Ophthalmology*, 126(4):566-70, 2008.

**Dinkin MJ**, Rizzo JF III. Abnormal Eye Movements in Children, *International Ophthalmology Clinics*. 48(2):95-134, 2008.

Liu Y, **Dinkin MJ**, Loewenstein JI, Rizzo JF 3rd, Cestari DM. Multifocal electroretinographic abnormalities in ethambutol induced visual loss. *Journal of Neuro-Ophthalmology*. 2008; Dec;28(4): 278-82.

## SZILÁRD KISS, MD

Assistant Professor of Ophthalmology

Director of Clinical Research

### FELLOWSHIP

Massachusetts Eye and Ear Infirmary, Harvard Medical School

### RESIDENCY

Massachusetts Eye and Ear Infirmary, Harvard Medical School

### MEDICAL SCHOOL

Columbia University College of Physicians & Surgeons



Dr. Kiss is a board certified ophthalmologist with a primary focus on the medical and surgical management of adult and pediatric disorders of the retina and vitreous. He strives for excellence in patient care, medical education, and ophthalmic research.

Dr. Kiss's clinical interests include vitreoretinal surgery (e.g., retinal detachment repair, epiretinal membrane peeling, macular hole repair, retained lens fragment removal) and surgical and medical treatment of age-related macular degeneration and diabetic retinopathy.

Dr. Kiss has participated as an investigator in numerous clinical trials and laboratory investigations. He has presented the findings of his research at local, national, and international scientific meetings. Dr. Kiss is also highly active in professional societies and serves as a scientific reviewer to major journals.

As part of his commitment to future generations of ophthalmologists, Dr. Kiss provides direct supervision and instruction to medical students, ophthalmology residents, clinical vitreoretinal fellows, and research fellows.

Dr. Kiss's clinical and translational research focuses on three broad areas: retinal imaging, ocular gene therapy, and genetic markers for retinal disease.

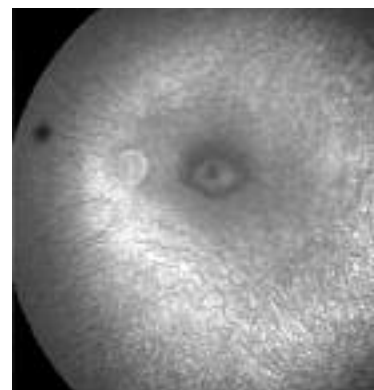
Dr. Kiss has developed a fully-immersive, totally interactive, virtual-reality, high-resolution optical coherence tomography for better visualization of retinal diseases as well as for pre-surgical planning (above right) as seen on CBS and Fox News.

His current work with ocular gene therapy involves both gene replacement (right) and gene addition (with anti-vascular endothelial growth factor for the long-term treatment of diabetes and macular degeneration). It is hoped that the need for repeated intraocular injections may be alleviated by means of this ocular gene therapy.

In conjunction with the Weill Cornell Medical College in Qatar, Dr. Kiss is working to better understand the genetic basis of retinal disorders such as diabetic retinopathy and age-related macular degeneration.

### Selected recent publications

Dr. Kiss has published over three dozen articles, including publications on innovative surgical techniques and novel treatment paradigms for retinal disorders. A full list of Dr. Kiss's publications can be found on [www.PubMed.com](http://www.PubMed.com).



## EDWARD C. LAI, MD

Assistant Professor of Ophthalmology  
Cornea, Cataract, and Refractive Surgery  
Director, Comprehensive Ophthalmology

### FELLOWSHIP

Weill Cornell Medical Center

### RESIDENCY

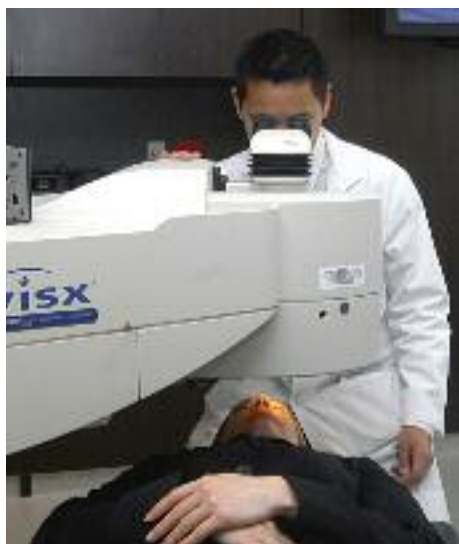
Manhattan Eye, Ear & Throat Hospital, New York University

### MEDICAL SCHOOL

Tufts University School of Medicine



Dr. Lai is a board certified ophthalmologist and an accomplished ocular surgeon. He is committed to excellence in the provision of a complete range of ophthalmic care and serves as the Director of Comprehensive Ophthalmology. His practice interests include cataract surgery, LASIK and PRK surgery, corneal transplantation, and the treatment of various corneal diseases.



In conjunction with his role of active practitioner, Dr. Lai is also a valued and gifted educator: He was the recipient of the WCMC Ophthalmology Teacher of the Year Award in 2010 and is an invited instructor at the Intensive Cataract Surgery Course at Harvard University. Aside from his dedication to patient care, one of Dr. Lai's primary concerns is training WCMC's ophthalmology residents in both clinical and surgical care as well

as playing an integral role in the education of WCMC medical students and ophthalmology fellows. Additionally, Dr. Lai is a member of various professional societies and has actively contributed to ophthalmic literature.

### PROFESSIONAL ASSOCIATIONS AND ACTIVITIES

- Active member of the American Academy of Ophthalmology, New York Keratorefractive Society, Ophthalmic Laser Surgical Society, American Society of Cataract and Refractive Surgery, and Association of Research in Vision and Ophthalmology
- Peer reviewer for Current Eye Research, Journal of Medical Case Reports
- Serves on the Weill Cornell Resident Selection Committee

### Selected recent publications

**Lai E.** Optimizing the Diagnosis and Treatment of Pterygia. *Refractive Eye Care*. July 2010.

Shammas M, **Lai E**, Sarkar J, Yang J, Starr C, Sippel K. Management of Acute Stevens-Johnson Syndrome and Toxic Epidermal Necrolysis Utilizing Amniotic Membrane and Topical Corticosteroids. *American Journal of Ophthalmology*. Feb 2009; 149(2): 203-213.

Sarkar J, Abbas N, Yang J, **Lai E**, Starr C. INTACS for keratoconus. *Contemporary Ophthalmology*. Dec 2009; 8(24): 1-8.

## GARY J. LELLI, JR., MD

Assistant Professor of Ophthalmology

Director of Ophthalmic Plastic, Reconstructive, and Orbital Surgery

### FELLOWSHIP

Columbia University, Manhattan Eye, Ear & Throat Hospital,  
New York Eye & Ear Infirmary, New York University

### RESIDENCY

University of Michigan, W.K. Kellogg Eye Center

### MEDICAL SCHOOL

Mount Sinai School of Medicine



Dr. Lelli is a member of the American Society of Ophthalmic Plastic and Reconstructive Surgery (ASOPRS), and he specializes in conditions affecting the eyelids, orbit, and lacrimal system. He also treats complex disorders requiring the multispecialty care of dermatology, neurosurgery, radiology, otorhinolaryngology, and endocrinology.



Dr. Lelli's research interests involve investigating canalicular anatomy in cadaveric prosections, the role of orbital volumetric analysis in trauma and tumors, and reanimation options in facial nerve palsies.

### SELECTED HONORS/AWARDS

- New York Police Department (NYPD) Award of Appreciation 2009
- Walter R. Parker Resident Teaching Award 2005 and 2006
- Ambulatory Care Excellence in Service Award 2005
- James M. LaBerge Research Award 2004
- Harold Elster Award for Highest Academic Standing in medical school 2002
- Alpha Omega Alpha 2001



### ACADEMIC SERVICE

- Ophthalmology QPS Chair, NewYork-Presbyterian Hospital Executive Committee for Quality and Patient Safety
- Serve on the Ophthalmology Alumni Boards for Weill Cornell Department of Ophthalmology and the W.K. Kellogg Eye Center
- Peer reviewer for Ophthalmic Plastic and Reconstructive Surgery and American Journal of Ophthalmology

### Selected recent publications

**Lelli G**, Lisman R. Blepharoplasty complications. *Plast Reconstr Surg* 2010;125(3):1007-17.

**Lelli G**, Duong J, Kazim M. Levator function as a predictor of eyelid lag and lagophthalmos in thyroid eye disease. *Ophthal Plast Reconstr Surg* 2010;26(1):7-11.

**Lelli G**, Musch D, Frueh B, Nelson C. Outcomes in silicone rod frontalis suspension for high risk non-congenital blepharoptosis. *Ophthal Plast Reconstr Surg* 2009;25(5):361-5.

## BENJAMIN LEVINE, MD

Instructor of Ophthalmology

Director, Inpatient Consult Service

### FELLOWSHIP

Weill Cornell Medical College/NewYork-Presbyterian Hospital, Oculoplastic Surgery

### RESIDENCY

Weill Cornell Medical College/NewYork-Presbyterian Hospital

### MEDICAL SCHOOL

George Washington University School of Medicine and Health Sciences



Dr. Levine is a board certified ophthalmologist with specialty training in ophthalmic plastic surgery. He provides comprehensive eye care as a member of Weill Cornell Eye Associates. His practice interests include cataract surgery, eyelid abnormalities, tearing, and general ophthalmology.

Dr. Levine serves as the Director of the Ophthalmology Inpatient Consult Service at the NewYork-Presbyterian Hospital/Weill Cornell Medical Center and



the Hospital for Special Surgery. In this role, he is responsible for overseeing the care of a wide range of ophthalmic pathology associated with systemic disease, as well as leading daily hospital teaching rounds for the residents.

### HONORS/AWARDS

- N.I.H. Intramural Research Training Award Scholar
- Drake Scholarship Award (Presented to a medical student showing promise in the field of ophthalmology)
- Chief Resident, Weill Cornell Medical College Department of Ophthalmology

### ACADEMIC SERVICE

- The American Academy of Ophthalmology
- The New York State Ophthalmologic Society
- The Association for Research in Vision and Ophthalmology



### Selected recent publications

Lillian W. Kim, **Benjamin M. Levine**, Gary J. Lelli, Jr. Recognition and Treatment of Benign Essential Blepharospasm. *Contemporary Ophthalmology*, March 2010; Vol. 9 (6).

**Benjamin M. Levine**, Gary J. Lelli, Jr. Case Report: Bitemporal Hemianopsia Caused by Bilateral Blepharoptosis. *Orbit* 2010; 29:351-353.

## RICHARD LEVY, MD

Assistant Professor of Ophthalmology

Director, Pediatric Ophthalmology and Adult Strabismus

### FELLOWSHIP

Neuro-Ophthalmology, Johns Hopkins University

Pediatric Ophthalmology, Children's Hospital Boston, Harvard University

### RESIDENCY

Manhattan Eye, Ear and Throat Hospital, New York University

### MEDICAL SCHOOL

Harvard Medical School



Dr. Levy is dual trained in neuro-ophthalmology and pediatric ophthalmology, and his clinical focus is on children with eye disease, children with neurologic disease affecting the eyes and visual system, and adults with strabismus. He is a member of the American Association for Pediatric Ophthalmology and Strabismus (AAPOS) and the North American Neuro-Ophthalmic Society (NANOS).



Dr. Levy's training and experience allow him to diagnose and treat complex visual disorders in children and adults through the utilization of both medical and surgical treatments for the eyes. Patients under his care benefit from his collaboration with neurologists, neurosurgeons, and other related pediatric specialists. He is interested

in the impact of neurologic disease on the developing visual system and the surgical treatment of strabismus in both children and adults. He also enjoys teaching residents and medical students in the clinic and operating room.

### ACADEMIC SERVICE

- Peer reviewer for the Journal of AAPOS, and Investigative Ophthalmology and Visual Science (IOVS)
- Lecturer, pediatric grand rounds at NewYork-Presbyterian Hospital and the greater metropolitan New York area
- Panelist, AAPOS and American Academy of Ophthalmology Subspecialty Day
- Komansky Pediatric Surgical Specialty Committee
- Weill Cornell Physicians Organization Practice Operations Committee



### Selected recent publications

Sun G, **Levy R**. Amblyopia. *Contemporary Ophthalmology* 2009;8(13):1-6

**Levy R**. Neurocranial defects with neuro-ophthalmic significance. In Wright K. *Pediatric Ophthalmology and Strabismus*, 3<sup>rd</sup> Edition, in press.

**Levy R**, Lelli G. Epidermoid cyst masquerading as dacryocystocele. *Orbit* 2011; 30:114-5.

**Levy R**. Advances in pediatric ophthalmology. *Refractive Eyecare*, 2011 April;15(4):24-5.

**Levy RL**, Dagi LR. Astigmatism in unilateral coronal synostosis: incidence and laterality. *JAAPOS* 2007 Aug;11(4):367-72.

## NATHAN RADCLIFFE, MD

Assistant Professor of Ophthalmology  
Director of Glaucoma Service

### FELLOWSHIP

New York Eye and Ear Infirmary/NYU

### RESIDENCY

NYU/Manhattan Eye, Ear and Throat Hospital

### MEDICAL SCHOOL

Temple University School of Medicine

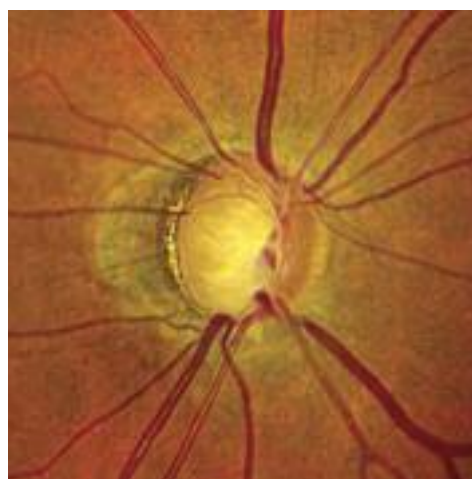


Dr. Radcliffe is a board certified ophthalmologist and glaucoma specialist who manages the spectrum of pathologic states from suspected glaucoma to advanced disease requiring complex surgical intervention. Dr. Radcliffe is proud to be part of an integrated team of specialists at Weill Cornell, where patients with glaucoma and corneal,



retinal, or neuro-ophthalmic disease are managed in a cooperative manner.

Dr. Radcliffe's research interests include disc hemorrhage and parapapillary atrophy and glaucoma, use of imaging modalities (fundus photography, optical coherence tomography, and flicker chronoscopy) in the evaluation of glaucomatous optic neuropathy and corneal biomechanical properties in glaucoma. Dr. Radcliffe is a recipient of the 2009 Mentoring for Advancement of Physician Scientists (MAPS) Award from the American Glaucoma Society.



### Selected recent publications

Ehrlich, JR, Haseltine, S, Shimmyo, M, **Radcliffe, NM**. Evaluation of Agreement between Intraocular Pressure Measurements using Goldmann Applanation Tonometry and Goldmann Correlated Intraocular Pressure with Reichert's Ocular Response Analyzer. *Eye* 2010; 24:1555-60.

VanderBeek, BL, Smith, SD, **Radcliffe, NM**. Comparing the Detection and Agreement of Parapapillary Atrophy Progression Using Digital Optic Disk Photographs and Alternation Flicker. *Graefes Arch Clin Exp Ophthalmol*. 2010 ePub, Apr 15.

**Radcliffe NM**, Musch, DC, Niziol, LM, Liebmann, JM, Ritch, R. The Effect of Trabeculectomy on Intraocular Pressure of the Untreated Fellow Eye in the Collaborative Initial Glaucoma Treatment Study. *Ophthalmology* 2010;117:2055-60.

**Radcliffe NM**, Finger PT. Eye cancer related glaucoma: current concepts. *Surv Ophthalmol*. 2009;54:47-73. Review.

**Radcliffe NM**, Liebmann JM, Rozenbaum I, Sbeity Z, Sandler SF, Tello C, Ritch R. Anatomic relationships between disc hemorrhage and parapapillary atrophy. *Am J Ophthalmol*. 2008;146:735-40.

## LEILA RAFLA-DEMETRIOUS, MD

Assistant Professor of Ophthalmology

Glaucoma

General Eye Diseases

### FELLOWSHIP

Glaucoma, Weill Cornell Medical Center/NewYork-Presbyterian Hospital

### RESIDENCY

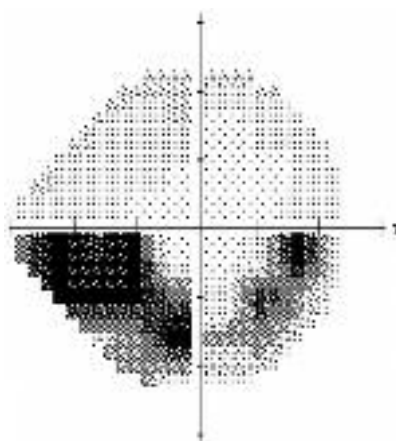
Weill-Cornell Medical Center/NewYork-Presbyterian Hospital

### MEDICAL SCHOOL

State University of New York, Brooklyn, NY



Dr. Rafla-Demetrious is a board certified ophthalmologist. She is fellowship-trained in the medical and surgical treatment of glaucoma, a potentially blinding disease. She also sees and treats general ophthalmologic medical and surgical conditions. Dr. Rafla-Demetrious performs cataract surgery as well as other anterior segment procedures. She has been a proud part of



*Visual field loss in glaucoma*

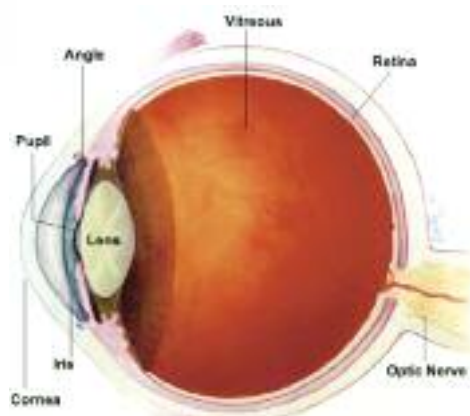
the Weill Cornell Ophthalmology service for over ten years.

### HONORS/AWARDS

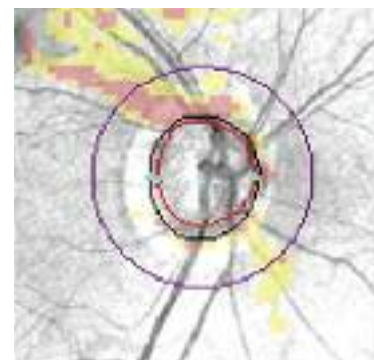
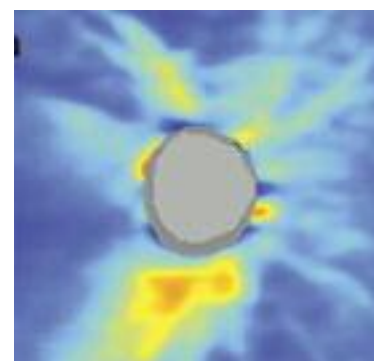
- AOA, SUNY Brooklyn, NY
- American Medical Women's Association, Inc. Janet M. Glasgow Memorial Achievement Citation

### ACADEMIC SERVICE

Dr. Rafla-Demetrious has served as a full-time attending physician at Weill Cornell Ophthalmology since 2000. She has helped to oversee resident training both clinically and surgically, and now focuses on treating glaucoma and general ophthalmologic problems in her daily practice.



### Glaucoma Diagnostic Imaging



## ENRIQUE RODRIGUEZ-BOULAN, MD

Charles & Margaret Dyson Professor of Ophthalmic Research  
 Professor of Neurosciences, Cell Biology and Physiology  
 Director, Tri-Institutional Training Program in Vision Research

### MEDICAL SCHOOL

University of Buenos Aires Medical School

### POSTDOCTORAL TRAINING

New York University, Department of Cell Biology  
 (Fogarty International Fellowship from NIH)



*D*r. Rodriguez-Boulan has published over 180 peer-reviewed articles, many of them on fundamental aspects of the function and pathology of the retina. His research focuses on understanding the interaction between the retinal pigment epithelium (RPE) and the photoreceptors, which is key for normal vision. His laboratory has made many discoveries in this area, including a major receptor in RPE involved in the phagocytosis of rod outer segments (Finnemann et al, PNAS, 1999) and a new pathogenetic mechanism for age-related macular degeneration (AMD) (Lakkaraju et al. 2007). Recently, this research has led to potential new therapies for AMD, which affects over 30% of our senior population. His research also focuses on understanding basic aspects of the organization of epithelial cells. The model system that he developed for this purpose and introduced in 1978 has launched a new field with over 5,000 publications, as shown by a recent PUBMED search.

### HONORS/AWARDS

- MD with Honors. UBA 1970
- Fogarty International Fellow (NIH) 1974-76
- Chair, Biological Sciences Section, New York Academy of Sciences 1982-83
- Established Investigator Award, American Heart Association 1985-90
- Bensley Award, Outstanding Cell Biologist, American Society of Anatomists 1986
- Joseph Hinsey Professor of Cell Biology 1989-96
- Jules and Doris Stein Professor of Cell Biology in Ophthalmology, Research to Prevent Blindness Foundation 1996-03
- C & M Dyson Professor 2003
- Co-founder, International Society of Ocular Cell Biology

### ACADEMIC SERVICE

- Member of several NIH & NSF study sections, including Vis Sciences C (2002-5)
- Member of several International Advisory Boards including Harvard GI Diseases Center, Institut Monod (Paris), Leloir Institute (Buenos Aires), etc.

### Selected recent publications

Lakkaraju A, SC Finnemann and **E Rodriguez-Boulan** 2007. The lipofuscin fluorophore A2E perturbs cholesterol metabolism in Retinal Pigment Epithelial Cells. *PNAS USA*, 104:11026-31.

Deborde S, D Gravotta, E Perret, A Deora and **E Rodriguez-Boulan**. 2008. Clathrin is a key regulator of epithelial polarity. *Nature*, 452: 719-23 (article). Faculty of 1000 selection.

Diaz F, D Gravotta, A Deora, R Schreiner, J Schoggins, E Falck-Pedersen, and **E Rodriguez-Boulan**. 2009. Clathrin adaptor AP1B controls adenovirus infectivity of epithelial cells. *Proc Natl Acad Sci USA*, 2106: 11143-8. Faculty of 1000 selection.

Schreiner R, G Frindt, F Diaz, JM Carvajal-Gonzalez, A Perez-Bay, LG Palmer, V Marshansky, D Brown, NJ Philp and **E Rodriguez-Boulan**. 2010. Missing clathrin adaptor AP1B confers unique polarity essential to proximal tubule function. *Kidney International*, 78:382-8 (cover article).

## MARK I. ROSENBLATT, MD, PHD

Associate Professor of Ophthalmology  
Cataract, Cornea, and Refractive Surgery  
Director, Margaret M. Dyson Vision Research Institute

### FELLOWSHIP

Massachusetts Eye and Ear Infirmary, Harvard Medical School

### RESIDENCY

Massachusetts Eye and Ear Infirmary, Harvard Medical School

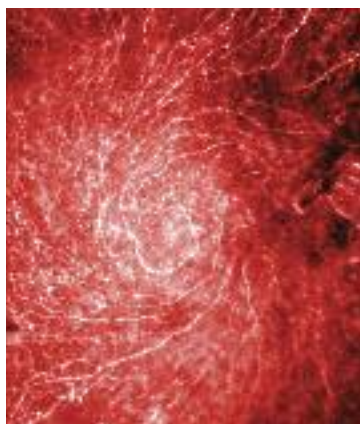
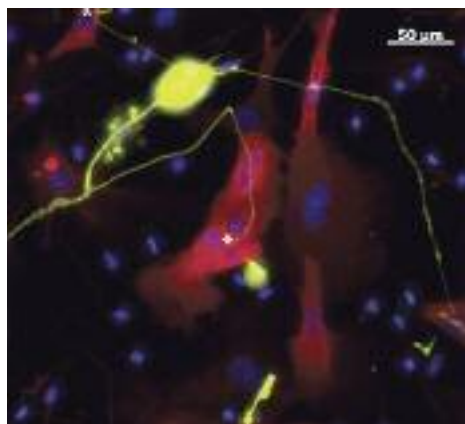
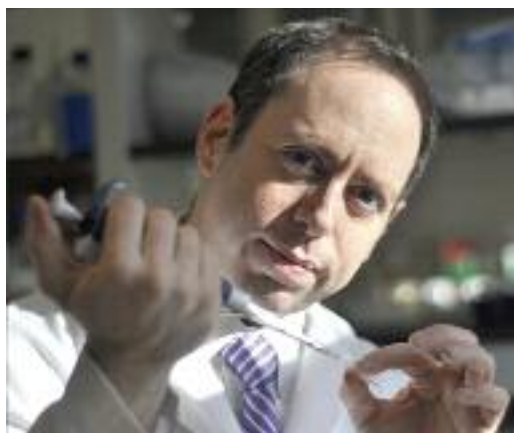
### MEDICAL SCHOOL

University of Miami Miller School of Medicine



Dr. Rosenblatt is a board certified ophthalmologist with subspecialty training in cornea and refractive surgery. He provides an array of surgical services including cataract, corneal, and refractive surgery, in addition to the medical treatment of patients with ocular surface and corneal disease.

Dr. Rosenblatt is an NIH funded clinician-scientist with active research programs investigating ocular regenerative medicine for corneal disease. Primary research areas within his lab include: 1) identifying new ways to couple corneal stem cells and novel biomaterials to restore vision after corneal injury and 2) developing new technology to promote the regeneration of corneal sensation after corneal wounding.



### Selected recent publications

Sakimoto T, **Rosenblatt MI**, Azar DT. (2006). "Laser eye surgery for refractive errors." *The Lancet*. 367: 1432-1447.

Yu CQ, **Rosenblatt MI**. (2007). "Transgenic corneal neurofluorescence in mice: a new model for in vivo investigations of nerve structure and regeneration." *Invest Ophthalmol Vis Sci*. 48(4):1535-42. (Including cover illustration).

Yu CQ, Zhang M, Matis KI, Kim C, **Rosenblatt MI**. (2008) "Vascular Endothelial Growth Factor Mediates Corneal Nerve Repair." *Invest Ophthalmol Vis Sci.*, Sep;49(9):3870-8.

Lopez IA, **Rosenblatt MI**, Kim C, Galbraith GG, Jones SM, Kao L, Newman D, Liu W, Yeh S, Pushkin A, Abuladze N, Kurtz I. (2009) "Sic4a11 gene disruption in mice: Cellular targets of sensorineuronal abnormalities." *J Biol Chem.*, Sep;284(39):26882-96.

Lawrence BD, Wharram S, Kluge JA, Leisk GG, Omenetto FG, **Rosenblatt MI**, Kaplan DL. (2010) "Effect of hydration on silk film material properties." *Macromol Biosci.*, Jan;10(4):393-403.

Yeh SI, Han KY, **Rosenblatt MI**, Azar DT, Jain S, Chang JH. (2010) "MMP-7 knock-in keratocyte cell lines secrete MMP-7 with proteolytic activity towards collagen XVIII." *Curr. Eye Res.*, Sep; 35(9): 799-805.

## KIMBERLY C. SIPPEL, MD

Assistant Professor of Ophthalmology  
 Director, Cornea and External Disease Service  
 Co-Director, Cornea Fellowship Program

### FELLOWSHIP

Massachusetts Eye and Ear Infirmary, Harvard Medical School

### RESIDENCY

Massachusetts Eye and Ear Infirmary, Harvard Medical School

### MEDICAL SCHOOL

Columbia College of Physicians & Surgeons



Dr. Kimberly Sippel is a board certified ophthalmologist with specialty training in cornea and external disease and refractive surgery. Her clinical interests include corneal disease, corneal transplantation surgery (including Descemet's stripping endothelial keratoplasty or DSEK), cataract surgery, and laser vision correction.



Patient with acute Stevens-Johnson syndrome before (left) and after (right) application of amniotic membrane (a biological dressing) to the ocular surface. Normal visual function was restored.

Dr. Sippel's research interests focus on severe ocular surface disease (including the Stevens-Johnson disease/toxic epidermal necrolysis disease spectrum), the use of specialty corneoscleral contact lenses for ocular surface treatment, and artificial cornea transplantation (keratoprosthesis surgery). She is very actively involved with resident and medical student education and currently serves as Co-Director of the Cornea Fellowship program.



Amniotic membrane being applied to the eyelids and ocular surface of a patient with Stevens-Johnson syndrome

### HONORS/AWARDS

- Alpha Omega Alpha
- Heed Ophthalmic Foundation Fellowship Award
- American Ophthalmological Society Knapp Foundation Fellowship Award

### Selected recent publications

Shammas MC, Lai EC, Sarkar JS, Yang J, Starr CE, **Sippel KC**. Management of acute Stevens-Johnson syndrome and toxic epidermal necrolysis utilizing amniotic membrane and topical corticosteroids. *American Journal of Ophthalmology* 2010, 149:203-213.

VanderBeek B, **Sippel KC**. Ocular Chemical Injury. *Contemporary Ophthalmology* 2008, 7:1-8.

Hutcheon AE, **Sippel KC**, Zieske JD. Examination of the restoration of epithelial barrier function following superficial keratectomy. *Experimental Eye Research* 2007, 84(1):32-38.

Dohlman CH, Harissi-Dagher M, Khan BF, **Sippel KC**, Aquavella JV, Graney JM. Introduction to the use of the Boston keratoprosthesis. *Expert Review of Ophthalmology* 2006, 1:41-48.

## CHRISTOPHER E. STARR, MD, FACS

Assistant Professor of Ophthalmology  
 Director, Ophthalmology Residency Program  
 Director, Cornea, Cataract, and Refractive Surgery Fellowship  
 Director, Refractive Surgery Service

### FELLOWSHIP

Johns Hopkins University, Wilmer Eye Institute

### RESIDENCY

Harvard University, Massachusetts Eye and Ear Infirmary

### MEDICAL SCHOOL

Weill Cornell Medical College



Dr. Starr is a board certified ophthalmologist specializing in corneal and external diseases of the eye and advanced cataract, cornea, and laser vision correction surgery. In addition to his busy practice, he is actively involved in clinical research. As primary investigator, he has completed several multicenter clinical trials at Weill Cornell and is currently enrolling others. He has recently pioneered a novel technique for supracapsular cataract surgery (*Pop & Prechop*), which has proven to be a safe and effective alternative to traditional techniques. As a fellow at Johns Hopkins, he was awarded a research prize for his work on treating corneal dystrophies.

Dr. Starr is also a committed educator, both locally and nationally. In 2006, he was honored by the residents at New York University with the *Teacher of the Year Award*. At Weill Cornell, he directs both the residency program and cornea fellowship and sits on several subcommittees of the Graduate Medical Education Committee of New York-Presbyterian Hospital. He is invited to lecture widely, most recently delivering talks on keratoprotheses at the ASCRS Cornea Subspecialty Day, on corneal transplant rejection at the ASCRS Cornea Clinical Committee Symposium, and teaching advanced cataract surgery courses at the AAO, ASCRS, and Harvard meetings.

Dr. Starr is an active member of many ophthalmic professional societies. He currently sits on the medical advisory board of the *Eyebank for Sight Restoration* and recently served a term as the Manhattan district representative to the *New York State Ophthalmological Society*. He is an editor, advisory board member, and contributor to the journals *Advanced Ocular Care* and *Refractive Eyecare*. In 2010, Dr. Starr was named to *Best Doctors in America*.



Dr. Starr preparing tissue for a keratoprosthesis



Dr. Starr on CBS News discussing DSAEK surgery

### Selected recent publications

Wessel MM, Sarkar J, Bhat P, Michaud N, Jakobiec FA, **Starr CE**. A Potential Treatment of Lisch Corneal Dystrophy with Photorefractive Keratectomy and Mitomycin. *Cornea*. 2011 Apr;30(4):481-5.

Shammas MC, Lai EC, Sarkar JS, Yang J, **Starr CE**, Sippel KC. Management of acute Stevens-Johnson syndrome and toxic epidermal necrolysis utilizing amniotic membrane and topical corticosteroids. *Am J Ophthalmol*. 2010 Feb;149(2):203-213.

VanderBeek B, Silverman R, **Starr CE**. Bilateral Salzmann's-like nodular corneal degeneration after laser in situ keratomileusis imaged with anterior segment OCT and high frequency ultrasound biomicroscopy. *J Cataract Refract Surg*. 2009 Apr;35(4):785-7.

Paul T, Lim M, **Starr CE**, Lloyd H, Coleman J, Silverman R. Central corneal thickness measured by the Orbscan II system, contact ultrasound pachymetry, and the Artemis 2 system. *J Cataract Refract Surg*. 2008 Nov;34(11):1906-12.

Chen C, **Starr CE**. Epidemiology of gram negative conjunctivitis in neonatal intensive care patients. *Am J Ophthalmol*, 2008 Jun; 145(6):966-970.

## GRACE SUN, MD

Clinical Instructor of Ophthalmology

Associate Residency Program Director

Director, Ophthalmology Clinical Practice at New York Downtown Hospital

### CHIEF RESIDENT

Weill Cornell Medical College, NewYork-Presbyterian Hospital

### RESIDENCY

Weill Cornell Medical College, NewYork-Presbyterian Hospital

### MEDICAL SCHOOL

Weill Cornell Medical College



Dr. Sun serves as Associate Residency Program Director and Co-Course Director of the Ophthalmology Grand Rounds Program at Weill Cornell Medical College. She is a gifted and talented educator, dedicated to teaching Ophthalmology at Weill Cornell Medical College and around the world.

Dr. Sun is the Director of Clinical Practice at New York Downtown Hospital (NYDH), providing comprehensive ophthalmic services to the community of lower Manhattan. Fluent in both Mandarin Chinese and Spanish, Dr. Sun serves an internationally diverse patient population at NYDH.

Dr. Sun's academic interests are focused on global health and education. She served as a Peace Corps volunteer in Nicaragua from 1999-2001 and, more recently, as an associate staff ophthalmologist with ORBIS International in Nairobi, Kenya. Dr. Sun was also a recipient of the 2009 Paul Kayser International Scholar award, which allowed her to dedicate time at the Instituto Regional de Oftalmología in Trujillo, Peru.

Currently, Dr. Sun serves on the American Academy of Ophthalmology Young Ophthalmologist's International subcommittee, promoting international involvement among young ophthalmologists. At Weill Cornell Medical College, she is establishing clinical, teaching, and

research collaborations in Africa at Weill Bugando Medical College in Mwanza, Tanzania.



*Dr. Sun as an Associate Ophthalmologist on Project ORBIS*



*Dr. Sun teaching basic eye examination techniques to medicine residents at Weill Bugando Medical Center (Tanzania)*



*Dr. Sun examining patients in Nairobi, Kenya*

## CHING-HWA SUNG, PhD

Professor of Ophthalmology

Professor of Cell and Developmental Biology

### FELLOWSHIP

Howard Hughes Medical Institute, Johns Hopkins Medical School

### DOCTORATE

National Yang-Ming University, Taiwan



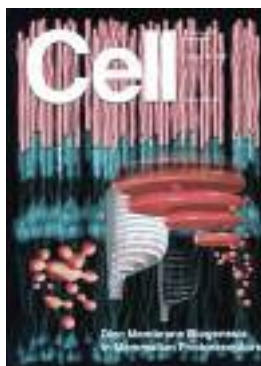
Dr. Sung's research interests concern the molecular and cellular pathways underlying several blindness conditions including retinitis pigmentosa (RP), aged-related macular degeneration (AMD), and retinal detachment. Her lab uses a combination of genetics, biochemistry, mouse models, and several state-of-the-art techniques to tackle these biologically interesting and clinically important questions. Her ultimate research goal is to help develop new therapeutic strategies to preserve and/or restore patients' sight.

### HONORS/AWARDS

- Cornell Scholar, Weill Cornell Medical College
- Career Development Award, RPB
- Dolly Green Scholar Award, RPB
- Lew R. Wasserman Merit Award, RPB
- Keith Porter Fellow for Cell Biology Research Award
- Ruth and Milton Steinbach Macular Degeneration Award
- Irma T. Hrschl Trust Career Award
- Tri-Institutional Starr Foundation Stem Cell Grant
- Empire State Stem Cell Research Grant
- Distinguished Alumni of National Yang-Ming University
- Senior Investigator Award, RPB

### ACADEMIC SERVICE

- Member of several NIH & NSF study sections, including Vis Sciences C (2002-5)
- Member of several International Advisory Boards including Harvard GI Diseases Center, Institut Monod (Paris), Leloir Institute (Buenos Aires), etc.
- Ad hoc member of Foundation Fighting Blindness, NIH, NSF



### Selected recent publications

**Sung, C-H**, Schneider B, et al, 1991. Functional heterogeneity of mutant rhodopsins responsible for autosomal dominant retinitis pigmentosa. *Proc. Natl. Acad. Sci. USA* 88:8840-8844.

Chuang J-Z, Vega C, Jun W, and **Sung, C-H**. 2004. Structural and functional impairment of endocytic pathways by retinitis pigmentosa mutant rhodopsin-arrestin complexes. *J. Clin. Invest.* 114:131-140. (COVER)

Chuang J-Z, Yeh T-Y, Conde C, Canavosio F, Bollati F, Caceres A, and **Sung, C-H**. 2005. Tctex-1 has a dynein-independent role in actin remodeling in neurite outgrowth. *Dev. Cell* 9:75-86.

Chuang J-Z, Zhao Y, and **Sung, C-H**. 2007. SARA-regulated vesicular targeting underlies formation of the light sensing organelle in mammalian rods. *Cell* 130:535-547. (COVER)

**Sung, C-H** and Chuang J-Z. 2010. The cell biology of vision. *J. Cell Biol.* 190:953-963.

Chuang J-Z, Chou S-Y, and **Sung, C-H**. 2010. Chloride intracellular channel 4 is critical for the epithelial morphogenesis of RPE cells and retinal attachment. *Mol. Biol. Cell.* 21:3017-3028. (COVER)

## Senior Professional Staff

### Department Administrator



#### **Danielle Johnson, MHA, FACHE**

*Ms. Johnson completed her Master of Healthcare Administration and is a Fellow of the American College of Healthcare Executives. She has worked in academic healthcare management for over 7 years in New York City. She joined Ophthalmology in February of 2009 and has led the department through significant growth in the last two years.*

### Managers

*Standing, left to right:  
Waverlyn Alexander, CPC, Billing  
Manager; Melissa Kalil, MHA,  
Practice Administrator and Clinical  
Budget Coordinator; Karin Mora,  
Practice Administrator and Marketing  
Coordinator; and Gyongyver (Gwen)  
Szabo, Grants Administrator*

*Seated, left to right:  
Susan Herder, PA-C Clinical  
Research Coordinator (left) and  
Danielle Johnson, MHA, FACHE,  
Department Administrator*



### Team Leaders



*Left to right:  
Diana Iglesias-Rivera, Lead Technician;  
Yajaira Hernandez, Practice Specialist;  
Lourdes Charon, Call Center; and  
Anthony Castellanos, Front Desk*

## Faculty with Voluntary, Affiliated Institution and Adjunct Appointments



*Dr. Norman B. Medow (foreground left) and Ellsworth Lecturer Frederick A. Jakobiec (adjacent) with Faculty and guests*



*Left to right: Dr. Edward C. Lai, Dr. Maha Alshafei, Dr. Donald J. D'Amico, and Dr. Szilárd Kiss*



*Drs. Jacqueline W. Muller, Kimberly C. Sippel, Mark I. Rosenblatt, and Jessica B. Ciralsky*



*Drs. Donald J. D'Amico, Alexander Movshovich, and Yale L. Fisher*



*Dr. Richard S. Muchnick performing strabismus surgery with resident Ryan St. Clair*

### Weill Cornell Medical College Campus

Aronian, Dianne D.  
Belgorod, Barry M.  
Brazzo, Brian G.  
Brodie, Scott E.  
Cole, Charles A.  
Conway, Joseph L.  
Cozzarelli, Laura E.  
Cusumano, Andrea  
Fisher, Yale L.  
Haight, David H.  
Harmon, Gregory K.  
Harris, Laurence S.  
Hollander, Charles S.  
Iwamoto, Takeo  
Kahanowicz, Ronit  
Kahanowicz, Yaffa  
Karlin, David B.  
Kreissig, Ingrid  
Laino, Peter  
Liggett, Peter E.  
Lincoff, Harvey A.  
Magrann, Irene  
Mango, Charles W.  
Marks, Rosemarie F.  
Mazzeo, Vincenzina  
McLaughlin, Patricia A.  
McNally, Lois M.  
Medow, Norman B.  
Melton, R. Christine  
Movshovich, Alexander

Muchnick, Richard S.  
Muller, Jacqueline W.  
Nissen, Michael  
Odell, Peter M.  
Pearce, David B.  
Poole, Thomas A.  
Roberts, Calvin W.  
Rosberger, Daniel F.  
Serdarevic, Olivia N.  
Starr, Michael B.  
Tindel-Kahn, Lori Jo  
Troutman, Richard C.  
Veronneau-Troutman, Suzanne  
Whitmore, Wayne G.  
Winterkorn, Jacqueline S.  
Zweifach, Eric  
Zweifach, Philip H.

### Memorial Sloan-Kettering Cancer Center

Abramson, David H.  
Heinemann, Murk-Hein  
Marr, Brian P.

### New York Hospital Queens

Brittis, Mariel  
Cooper, William C.  
Goldberg, Robert T.  
Kaufmann, Cheryl S.  
Lee, Sangwoo  
Sarkar, Jayati S.



*Dr. Wayne G. Whitmore*



*Dr. Peter M. Odell and his wife Claire attending NYPH gala*

### The Methodist Hospital, Houston

Beaver, Hilary A.  
Brown, David M.  
Chen, Eric  
Chevez-Barrios, Patricia  
Coburn, Amy G.  
Diaz-Rohena, Roberto  
Fish, Richard H.  
Foster, William J.  
Holz, Eric R.  
Key, James E.  
Kim, Rosa Y.  
Lambert, H. Michael  
Lee, Andrew G.

Li, Helen K.  
Major, Jr., James C.  
Pandit, Rahul T.  
Soparkar, Charles N.S.  
Willis, Arthur W., Jr.  
Wong, Tien Pei  
Yalamanchili, S.S.

### Weill Cornell Medical College, Qatar

Alshafei, Maha  
Aman-Ullah, Muhammad  
Pai, Anant  
Parakkatt, Shakeel

## Community Programs

The physicians of Weill Cornell Eye Associates are privileged to be part of the remarkable patient community fostered by NewYork-Presbyterian Hospital and Weill Cornell Medical College. As active members of the patient education community, our specialists have participated in many educational programs in conjunction with our partners, including Lighthouse International, The Myra Mahon Patient Resource Center of Weill Cornell Medical College, The Greenberg Academy for Successful Aging at the Hospital for Special Surgery, and The New York City Glaucoma Support and Education Group. The NewYork-Presbyterian Hospital's Street Fair is an annual opportunity for our ophthalmologists to get outside of the



office and to reach out to New Yorkers who may not be aware of the services we offer.

In our efforts to improve glaucoma awareness and in support of World Glaucoma Day/Week (<http://wgday.org>), our glaucoma service has provided educational resources and run several free community screenings. This event allows members in the community who have been delaying glaucoma care to get re-connected with an eye doctor by simply walking into our office. With educational

information and free lectures, we have sought to inform those in our community about the need to have their eyes examined in order to guard against glaucoma, the sneak thief of sight. Many patients who have presented to our physicians during this yearly screening event have spared themselves unnecessary vision loss by getting much needed treatment.



## Education Programs

### Residency

Among the top priorities of the Weill Cornell Medical Department of Ophthalmology is the education and training of the future generation of ophthalmologists. In conjunction with the NewYork-Presbyterian Hospital, the three-year ophthalmology residency program is founded on a dedication to teaching, innovative research and excellence in patient care. Currently, there are three residents per year chosen from over 400 applicants.



Left to right: Residents from the class of 2011, 2012, and 2013; Drs. Thomas Berenberg, Matthew M. Wessel, Kristine Kay Yin, Claire E. Fraser, Ryan Vasan, and David Y. Kim



Left to right: Dr. D'Amico and Dr. Starr, residency program director (far right), with the class of 2009, Drs. Grace Sun, Brian Vanderbeek and Tania Paul

### Didactics

Our commitment to academic excellence is demonstrated by a robust didactic program comprised of:

- Daily teaching conferences by our own distinguished faculty
- Wet labs in cataract, cornea, glaucoma and retinal surgery
- Interdisciplinary rounds with neuroradiology, otolaryngology, and neurology
- Weekly Grand Rounds by renowned leaders in ophthalmology

- Pathology teleconferences with Dr. Robert Folberg, Oakland University, William Beaumont
- *Greater New York Lecture Series* at Manhattan Eye, Ear & Throat Institute
- New York Eye & Ear Infirmary's *Board and OKAP Review Course*
- Columbia *Basic Science Course in Ophthalmology*
- Massachusetts Eye & Ear Infirmary's *Intensive Cataract Surgery Course*

### Clinical Rotations

#### First year

During the first year of training, residents master the basic techniques of ocular diagnosis and medical management of a variety of ocular diseases on the comprehensive eye service and the cornea service.

In addition, our first year residents spend time with:

- Dr. David Abramson at Memorial Sloan-Kettering Hospital, which is an unparalleled experience in ocular oncology
- The world-renowned Lighthouse International for their low vision rotation

#### Second year

As second year residents, emphasis is placed on the ophthalmic subspecialties of glaucoma, neuro-ophthalmology, pediatric ophthalmology, oculoplastics and retina. The residents obtain significant experience in the diagnosis, medical and surgical management on complex eye diseases. They also develop skills and expertise on the inpatient consultation service at NewYork-Presbyterian Hospital.

#### Third year

In their third year of training, the residents develop mastery over their medical and surgical skills. They spend a third of the year at three institutions — The NewYork-Presbyterian Hospital, New York Hospital Queens and New York Downtown Hospital offering them a varied clinical and patient care experience. In this last year of training, residents develop a newfound sense of leadership and autonomy as the chief resident at each of the three hospitals where they rotate. They teach the junior residents and take administrative responsibility for clinics and conferences at each institution, preparing them for future leadership roles in ophthalmology.

## Education Programs

*continued*



*Left to right: Class of 2007 Drs. Eleanor T. Kim, Jason Liss and Victoria Chen-Espioza*



*Dr. Sun (center), associate residency program director, with residents Matthew M. Wessel and Kristine Kay Yin in the wet lab*



*Drs. Claes H. Dohlman and Kimberly C. Sippel at the Department's Advanced Keratoprosthesis Course*



*McLean Medal Lecturer Dr. Carmen A. Puliafito with Dr. Donald J. D'Amico*



*Dr. and Mrs. C. Stephen Foster after his McLean Medal Lecture*

### Research During Residency Training

Research training is an integral part of the residency program. We encourage our trainees to participate in a variety of ongoing studies of new advances for the diagnosis and treatment of ophthalmologic diseases. This can take the form of bench-side basic research in the Margaret M. Dyson Vision Research Institute in the study of cell biologic issues related to ocular disease. There are also vast opportunities for clinical research experiences within the Clinical Trials Unit of Weill Cornell Eye Associates. The residents present their work annually at the Association for Research in Vision and Ophthalmology meeting as well other national meetings. At the culmination of their training, our residents and fellows have publications in the leading ophthalmic peer-reviewed journals.



*Drs. D'Amico (left) and Rosenblatt with resident Dimitra Skondra who received the 2011 Association of University Professors in Ophthalmology research award*

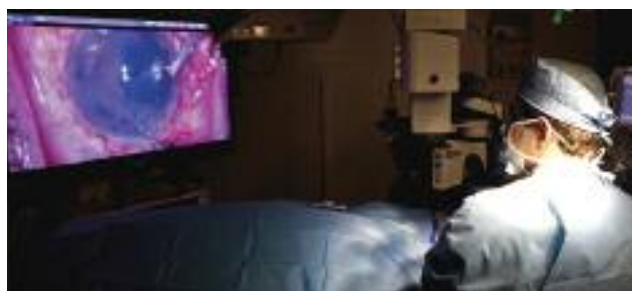
### Graduates

The majority of our graduating residents apply for subspecialty fellowships. In recent years our residents have matched at Harvard/MEEI, UCLA, USC, Duke, Wilmer, Cornell, Pittsburgh, Columbia and UCSF for fellowships in neuro-ophthalmology, retina, cornea, glaucoma and pediatrics. Our graduates continue to be leaders in clinical and academic ophthalmology. They serve in our local communities as clinicians and patient advocates, advance our knowledge of vision disorders through teaching and research and are involved in the global effort to reduce visually debilitating disease.

## Cornea, Cataract & Refractive Surgery Fellowship

<b>Director</b>	Christopher E. Starr, MD, FACS
<b>Co-Director</b>	Kimberly C. Sippel, MD
<b>Teaching Faculty</b>	Mark I. Rosenblatt, MD, PhD Edward C. Lai, MD Jessica B. Ciralsky, MD

The cornea, cataract & refractive surgery fellowship of the Weill Cornell Medical Center was established in 2007, and has since graduated 5 outstanding cornea specialists. The busy and growing service provides its 2 fellows with a robust clinical and surgical experience in cornea, cataract and refractive surgery as well as in complex ocular surface



*Dr. Starr performing the first DSAEK surgery using the TrueVision 3D HD system*

and external diseases. Additionally, the extensive and varied research activities of the faculty provide many opportunities for clinical and basic science research and other academic endeavors.

At our tertiary referral center the fellows gain a significant experience in treating complex corneal and external diseases. The New York-Presbyterian Hospital has one of the busiest burn centers in the country and often cares for patients with severe ocular burns, Stevens-Johnson syndrome, and toxic epidermal necrolysis. These patients require immediate and aggressive treatment in order to prevent corneal blindness. Memorial Sloan-Kettering Hospital is another referral source of patients with severe anterior segment diseases including Sjogren's



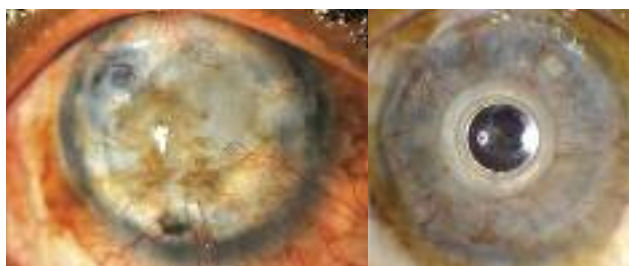
*Dr. Sippel performing LASIK in the state-of-the-art Refractive Laser Suite*



*Clockwise from top left: Drs. Lai, Rosenblatt, Sippel, Starr, Ciralsky*

syndrome, graft versus host disease and other cancer-related pathologies. The fellows gain proficiency in caring for these critical patients as well as others with ocular emergencies, infections and traumatic corneal injuries.

Unlike many cornea fellowships, our fellows gain a significant firsthand experience in advanced cataract surgery. They gain proficiency in complex cataract surgery as well as phacorefractive cataract surgery with premium IOL's (multifocal, accommodating, toric) and limbal relaxing incisions. Through a fee-reduction program the fellows also gain experience performing laser vision



*Pre- and post-op Kpro photos, vision improved from HM to 20/30*

correction surgery. Our onsite state-of-the-art laser center houses a VISX S4 excimer laser with Wavescan and iris registration as well as a 60hz Intralase femtosecond laser.

The fellows receive a substantive experience in corneal transplantation surgery by performing many penetrating keratoplasties (PK), lamellar keratoplasties (DSAEK), and keratoprotheses (Kpro). The cornea service at Weill Cornell has become a recognized regional center of excellence for complex keratoprosthesis surgery and is highly sought out by patients and referring doctors alike. The cornea service and the department of ophthalmology sponsored the first New York CME symposium on keratoprosthesis surgery in the fall of 2010.

## Vitreoretinal Fellowship

### Director

R.V. Paul Chan, MD

### Teaching Faculty

D. Jackson Coleman, MD

Donald J. D'Amico, MD

Yale L. Fisher, MD

Szilárd Kiss, MD

Sangwoo Lee, MD

Peter E. Liggett, MD

Charles W. Mango, MD

Alexander Movshovich, MD

Michael Nissen, MD

The vitreoretinal fellowship at Weill Cornell Medical College is a 2-year AUPO certified fellowship that encompasses both medical and surgical training. The fellowship has a proud history of excellence, and is completely integrated into the vibrant activities of the Department with outstanding supervision and teaching.



*Left to right: Retina Fellows Jane Myung, MD and Minhee Cho, MD, with Drs. Chan and Kiss*

The program has graduated numerous leaders in academic departments and in the community. In 2007, the fellowship grew to three fellows over the two-year training period with a renewed emphasis on research, and additional faculty recruitments and fellowship expansion are planned.

The fellowship provides a comprehensive experience in the surgical and medical management of adult and pediatric diseases of the retina, vitreous and the choroid. Our fellows gain exposure to a variety of different surgical techniques as our faculty are fellowship trained from such programs as the Bascom Palmer Eye Institute, the Massachusetts Eye and Ear Infirmary, Jules Stein Eye

*Retina Fellows Sophia I. Pachydaki, MD and Scott M. Warden, MD with Dr. D'Amico*



Institute, and Weill Cornell Medical College. Upon graduation, the fellows are skilled in the management and treatment of the most complex vitreoretinal diseases. The intensive clinical experience allows our fellows to develop mastery of a wide range of vitreoretinal pathology, including age-related macular degeneration, complicated retinal detachment repair, advanced proliferative diabetic



*Retina Fellow Anton Orlin, MD (left) with Dr. Nissen*

retinopathy, retinopathy of prematurity, ocular trauma, and posterior inflammatory disease. Particular strengths of the program include an in depth exposure to advanced techniques for complicated retinal detachment repair, innovative imaging modalities for macular and other retinal diseases, and the evaluation and management of retinopathy of prematurity. In addition, vitreoretinal consultations within the New York-Presbyterian Hospital provide teaching exposure to a patient population unmatched in size, complexity, and medical diversity.

In addition to their clinical training, the fellows pursue clinical, basic science, or translational research projects in association with the attending faculty utilizing our superbly equipped clinical and laboratory facilities. The retina service is currently involved in a number of major clinical trials and has numerous national/international research collaborations. As a result of their research, our fellows have published their work in major peer review journals and presented their research at local, national, and international meetings including the Retina Society, ASRS, ARVO, and AAPOS.

Our goal is to provide our vitreoretinal fellows with the experience and necessary tools to flourish in the world of academic medicine or private practice. We are committed to providing them with unparalleled training and the support necessary to succeed both during and after their fellowship training.

## Queens Eye Center

The Queens Eye Center serves as the main outpatient site for the Ophthalmology Department at New York Hospital Queens. The New York Hospital Queens is in the heart of Flushing, NY. Flushing is home to one of the most socio-economically and ethnically diverse communities in the United States. The ophthalmic sub-specialties provided at the Queens Eye Center are General Ophthalmology, Vitreoretinal Diseases and Surgery, Glaucoma, Cornea/Anterior Segment and Oculoplastics. One senior resident from the Weill Cornell Ophthalmology Residency rotates full time at the New York Hospital Queens. Approximately 10,000 outpatient visits are projected for the 2011 fiscal year.



The New York Hospital Queens/Queens Eye Center has hired Dr. Jayati Sarkar to the staff as of November 1, 2009. She will provide a much needed anterior segment and cornea service to the Ophthalmology Department at NYHQ. The operating hours for the Queens Eye Center will be expanding to include evenings hours as well as Saturday morning hours due to the high demand and current long waiting times for patient visits.



*Sangwoo Lee, MD*

### Staff Members

**Sangwoo Lee, MD**  
(Director of Ophthalmology, NYHQ)  
Vitreoretinal Diseases and Surgery

**William C. Cooper, MD**  
Oculoplastics

**Jayati Sarkar, MD**  
Cornea/Anterior Segment

**Charles Cole, MD**  
Glaucoma/Anterior Segment

## New York Downtown Hospital

New York Downtown Hospital is a community based affiliate of the NewYork-Presbyterian Healthcare system. It is the only hospital in lower Manhattan whose mission is to serve the over 600,000 people who comprise the diverse business and residential communities of Wall Street, Chinatown, SoHo, TriBeCa, Battery Park City and the Lower East Side. Each year, the Hospital has more than 35,000 emergency visits, 146,000 outpatient visits, 10,000 inpatients, 7,600 surgeries and 2,400 new babies born. It is the acute care facility closest to the Financial District, to the City government, and to many of New York's most popular tourist attractions. It is the first responder to medical emergencies in the area, and serves as a leader in the field of emergency preparedness and disaster management.

New York Downtown Hospital also has a long history of providing medical services to an underserved population, including many patients who are non-English speaking immigrants, as well as elderly and low-income residents. Health literacy issues, compromised mobility and the lack of adequate health insurance are often significant factors affecting their acquisition of health-



care services. These patients typically present with more advanced pathology, which may alter their medical and surgical treatment plan. This hospital's proximity to

Manhattan's Chinatown provides service to an ethnic community with a higher rate of particular ocular pathologies such as narrow-angle glaucoma as well as acute and chronic angle-closure glaucoma.

In July 2009, the collaboration between the Weill Cornell Medical College Ophthalmology Department and New York Downtown Hospital commenced. This effort, led by Dr. Grace Sun, who is fluent in Mandarin Chinese and Spanish, has provided the lower Manhattan community with access to comprehensive and emergency ophthalmic services. In addition, this partnership ensures that patients who require further subspecialty ophthalmic care have direct access to the most advanced diagnostic, therapeutic, and laser technologies available.

## International Ophthalmology Initiatives

Ophthalmologists from the Weill Cornell Medical College (WCMC) Department of Ophthalmology have taken part in medical missions, research collaborations and educational programs throughout the world. With medical colleges in Tanzania and Qatar, WCMC and its ophthalmologists have a commitment to the international community. Over the past several years, WCMC ophthalmologists have worked in: Peru, Tanzania, Qatar, Mexico, Thailand, Austria, the Dominican Republic, Mauritius, Indonesia, Vietnam, and Kenya.



*Dr. Christopher Starr (far right) looks on as Dr. Harry Roux performs cataract surgery at The Moka Eye Hospital in Mauritius*

### **Weill Bugando University College of Health Sciences (Weill Bugando) at the Bugando Medical Centre (BMC) in Mwanza, Tanzania**

The mission of collaboration between Weill Cornell Medical College and Weill Bugando is to strengthen medical education and training to expand and improve Tanzania's health care force. Currently, Tanzania has 1 physician per 50,000 patients — among the lowest ratios in the world. Bugando Medical Centre and Weill Bugando are located in Mwanza, the second most populated city of Tanzania, along the shores of Lake Victoria. BMC is a 900-bed tertiary care center serving nearly one-third of the country's total population of about 40 million people. Bugando Medical Centre has one ophthalmologist.

In November 2008, Dr. R.V. Paul Chan and Dr. Grace Sun were the first team of WCMC ophthalmologists to visit Weill Bugando. Since then, a number of residents and faculty have visited Weill Bugando Medical College. Our faculty have participated in active exchange of knowledge



*Drs. R.V. Paul Chan, Grace Sun, Geoffrey Tabin, and Donald J. D'Amico in front of the Weill Bugando Medical Center with our Tanzanian friend*

and ideas in the field of ophthalmology and collaborated with Weill Bugando faculty to provide the highest quality of patient care in an area with limited resources. Lectures in basic ophthalmology were coupled with practical clinical sessions, teaching fundamental exam skills to evaluate ocular disease. This partnership has proved to be mutually beneficial. The experience in Tanzania has augmented the skills of our Weill Cornell physicians who were presented with unique pathology, while the students of Weill Bugando expanded their knowledge and skill set in ophthalmology.

Ophthalmology is one of many Weill Cornell departments that have been working in Tanzania. For more information on Weill Cornell Medical College's program in Mwanza, Tanzania please visit: <http://weill.cornell.edu/globalhealth/>

### **The Salzburg Medical Seminars in Salzburg, Austria**

Since 1993, the Salzburg Medical Seminars have been connecting physicians from leading American hospitals with physicians practicing in Central and Eastern Europe, Central Asia, the former Soviet Union and other countries in transition. Administered and funded by the American Austrian Foundation, the Soros Foundation Open Society Institute, the Austrian Federal Ministry of Science and Research and other donors, these seminars foster the participants' growth as teachers and health care leaders in their prospective countries by providing free, up-to-date information and training.

Most recently, the Salzburg Weill Cornell Seminar in Ophthalmology was held from April 10-16, 2011 in Salzburg, Austria and involved nine faculty members

## International Initiatives

*continued*

from the Weill Cornell Medical College in New York City, The Ludwig Boltzmann Institute of Retinology and Biomicroscopic Laser Surgery in Vienna, The Rudolph Foundation Hospital in Vienna, Privathospital Wehrle in Salzburg and the Paracelsus Privat Medical University in Salzburg. The course was directed by Dr. Mark I. Rosenblatt from Weill Cornell and Dr. Susanne Binder from the Rudolph Foundation Clinic. Thirty-five ophthalmologists from 16 countries in Europe and Asia attended the course.

### Weill Cornell Medical College in Doha, Qatar, U.A.E.

In January 2001, Weill Cornell Medical College in Qatar (WCMC-Q) was established in Doha by Cornell University in partnership with Qatar Foundation for Education, Science and Community Development. WCMC-Q shares the same mission as Weill Cornell Medical College in New York City and as such, the Department of Ophthalmology has taken an active role in supporting medical education,



*Dr. D'Amico with faculty after his keynote address "Traumatic Retinal Detachment" for the 2nd Qatari Course on Ocular Trauma in 2010*

providing health care and conducting cutting-edge research in collaboration with the Doha campus. Members of our department give live and video lectures to medical students and ophthalmology faculty in Qatar on a range of ophthalmology related topics. WCMC-Q medical students rotate in our department in New York City during their clinical elective time. Department members act as mentors to students in Qatar who are interested in pursuing careers in ophthalmology. With privileges at Hamad Hospital in Doha, Drs. Kiss and D'Amico have worked closely with Department Chair, Dr. Fatima Al Mansouri and her colleagues in the ophthalmology clinics as well as in the operating room. In partnership with WCMC-Q and Hamad Hospital, Dr. Kiss has fostered clinical and translational research collaborations with colleagues examining a range of ophthalmic disorders with a particular focus on the pathogenesis and treatment of diabetic retinopathy.

## Named Lectures

### John M. McLean Medal Lecturers

Edward W.D. Norton, MD	1981
A. Edward Maumenee, MD	1982
A. Gerald DeVoe, MD	1983
Harvey A. Lincoff, MD	1984
Edward A. Dunlap, MD	1985
Phillip Knapp, MD	1986
David G. Cogan, MD	1987
Lorenz E. Zimmerman, MD	1988
D. Jackson Coleman, MD	1989
John T. Flynn, MD	1990
Robert M. Ellsworth, MD	1991
Stanley Chang, MD	1993
Richard Troutman, MD	1994
Victor T. Curtin, MD	1995
Paul C. Wetzig, MD	1996
Bartly J. Mondino, MD	1997
David Guyton, MD	1998
Frederick A. Jakobiec, MD	1999
W. Richard Green, MD	2000
Philip Zweifach, MD	2001
David K. Berler, MD	2002
Stuart I. Brown, MD	2003
Joan W. Miller, MD	2004
Mario Stirpe, MD	2005
Richard Muchnick, MD	2006
Donald J. D'Amico, MD	2007
Carmen A. Puliafito, MD, MBA	2008
C. Stephen Foster, MD	2009
(postponed)	2010
George L. Spaeth, MD	2011

### D. Jackson Coleman Lecturers

William Simcoe, MD	1993
J. Donald M. Gass, MD	1994
Frederick C. Blodi, MD	1995
W. Richard Green, MD	1996
Frederick A. Jakobiec, MD	1997
Robert Folberg, MD	1998
George Blankenship, MD	1999
Barrett G. Haik, MD	2001
Stanley Chang, MD	2001
William C. Cooper, MD	2002
David Parke, MD	2003
David L. Guyton, MD	2004
William Tasman, MD	2005
Thomas M. Aaberg, Sr., MD	2006
Charles Patton Wilkinson, MD	2007
Ronald H. Silverman, MD	2008
Peter MacLeish, PHD	2009
Dan Reinstein, MD	2010

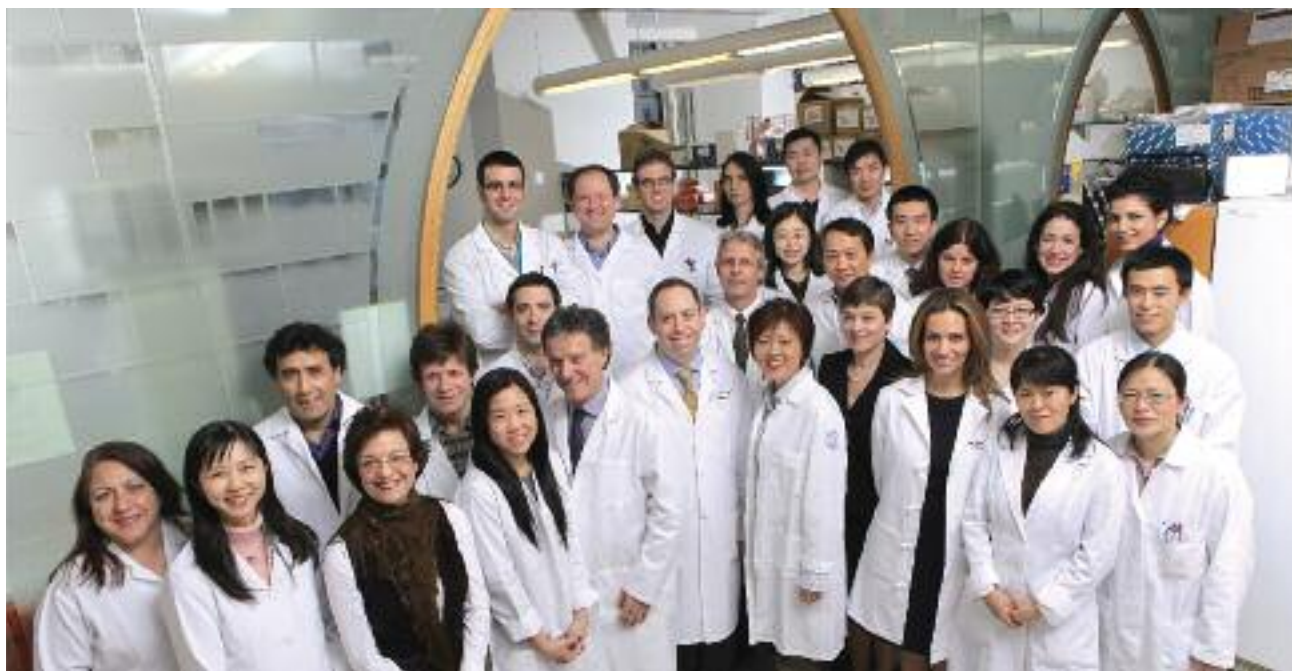
### Robert M. Ellsworth Lecturers

Barrett G. Haik, MD	2002
David H. Abramson, MD	2003
Evangelos S. Gragoudas, MD	2004
Brenda L. Gallie, MD	2005
Linn Murphree, MD	2006
Thomas C. Lee, MD	2007
Fredrick A. Jakobiec, MD	2008
Carol L. Shields, MD	2009
Joan M. O'Brien, MD	2011

### Harvey A. Lincoff Lecturers

Mark S. Blumenkranz, MD	2001
Ingrid Kreissing, MD	2002
Lawrence A. Yannuzzi, MD	2003
D. Jackson Coleman, MD	2004
William Freeman, MD	2005
Norah S. Lincoff, MD	2006
Gisbert Richard, MD	2007
Douglas A. Jabs, MD, MBA	2008
Stanley Chang, MD	2009

## Research



The Margaret M. Dyson Vision Research Institute was established within the Department of Ophthalmology in 1989 with a gift of \$6 million from the Dyson Foundation. The mission of the Institute is fostered in two interactive ways. First, the Institute strives to maintain strong and competitive basic science programs in vision research and encourages active collaboration with scientists at Weill Medical College of Cornell University and its neighboring institutions, The Rockefeller University and Memorial Sloan-Kettering Cancer Center. Second, the scientists at the Dyson Institute work with clinician-scientists and clinicians in the Department of Ophthalmology to identify translational research areas of common interest that may expedite the transfer of information from the laboratory bench to the bedside or clinic. Since its inception, the Dyson Institute has had an unbroken record of superb research, influential scientific publications, in-depth training for biological scientists across multiple disciplines, and exemplary extramural funding.

### Current Facilities

The 10,000-square-foot Dyson Vision Institute occupies the entire third floor of the William and Mildred Lasdon Biomedical Research Center at Weill Medical College of Cornell University. The Institute is organized around the open laboratory concept designed to encourage collaboration and communication among the investigators. Accordingly, all laboratory bench space is centrally located in a 1,500-square-foot area. Core facilities are provided for tissue culture, computing, molecular biology, light

microscopy, confocal, microscopy, animal surgery, and photography. Private office space is provided for faculty and semi-private space for fellows and students.

### Laboratory Expansion

A 3,100-square-foot expansion of the Institute will open in December of 2010. The newly-renovated laboratory space will double the current bench space of the Institute and triple the current space available for the development of animal models of ocular disease. The new facilities will allow for the recruitment of new vision scientists as well as the expansion of the research programs of current Institute investigators. A special emphasis on translational research will be applied to the new Institute resources.

### Principal Investigators

Mark I. Rosenblatt, MD, PhD, Director  
*Associate Professor of Ophthalmology*

Anna-Maria Demetriades, MD  
*Assistant Professor of Ophthalmology*

Enrique Rodriguez-Boulan, MD  
*Charles and Margaret Dyson Professor of Ophthalmology Research*

Ching-Hwa Sung, PhD  
*Professor of Cell Biology in Ophthalmology*

### Research Faculty

Jen-Zen Chuang, PhD, *Research Associate Professor*  
Marcelo Nociari, PhD, *Assistant Research Professor*  
Diego Gravotta, PhD, *Assistant Research Professor*  
Victor Guaiquil, PhD, *Instructor*

## Research

*continued*

### Funding

#### National Institutes of Health

- *Clinical and Genetic Analysis of Retinopathy of Prematurity* – Chan
- *Longitudinal Study of the Complications of AIDS* – Heinemann
- *Retina: Reversed Membrane Polarity and Morphogenesis of RPE* – Rodriguez-Boulan
- *Tri-Institutional Training Program in Vision Research* – Rodriguez-Boulan
- *Microscopy and Cell Culture Cores for Vision Research* – Rodriguez-Boulan
- *Sorting of Plasma Membrane Proteins in Epithelial Cells* – Rodriguez-Boulan
- *New Biomaterials for Ocular Surface Reconstruction* – Rosenblatt
- *Mechanisms of Corneal Nerve Repair* – Rosenblatt
- *Cytoskeleton's Role in RPE's Structure and Function* – Sung
- *Molecular Basis of Protein Transport in Photoreceptors* – Sung

#### National Science Foundation

- *Regenerating Ocular Surface Wounds with Novel Biomaterial* – Rosenblatt

#### Research to Prevent Blindness

- *RPB Challenge Grant* – D'Amico
- *Career Development Award* – Rosenblatt

#### Department of Defense

- *Preventing Vision Loss from Blast Injuries with Regenerative Biomaterial* – Rosenblatt

#### NY State Stem Cell Science

- *Harnessing Keratinocyte Stem Cell Growth for Regenerative Medicine* – Rosenblatt

#### Hickey Foundation

- *Development for Quantitative Methods for Retinopathy of Prematurity Diagnosis* – Chan/Rosenblatt

#### Beckman Foundation

- *Molecular Basis of Age-Related Macular Degeneration (AMD)* – Rodriguez-Boulan

#### Clinical and Translational Science Center

- *Nano-Structured Silk Biomaterials for Ocular Surface Regenerative Medicine* – Rosenblatt

#### Qatar National Research Fund National Priorities Research Program

- *Genetics of Risk for Retinopathy Among Qataris with Type 2 Diabetes* – Kiss/D'Amico

### Clinical Trials

The physicians of Weill Cornell Medical College Department of Ophthalmology conduct clinical research in NIH, foundation, industry, and internally funded studies encompassing oculo-plastics, anterior segment, glaucoma, retina, and neuro-ophthalmology subspecialties, with 42 clinical trials currently active. In addition, the investigators enjoy collaborative research projects with other clinical services within the WCMC community. Szilárd Kiss, MD, Assistant Professor of Ophthalmology, serves as Director of Clinical Research, and Susan Herder, PA-C, a physician assistant with 11 years of clinical ophthalmic experience, serves as the department's full-time clinical research coordinator. In addition, the clinical trials unit maintains a fully-certified ETDRS examination room for standardized visual acuity assessments and other testing.



*Susan Herder, PA-C, Clinical Research Coordinator*

### Research Fellowships



A substantial number of visiting physicians and scientists participate in research fellowships in the Department each year. These fellowships cover every aspect of clinical and laboratory research in Ophthalmology, and are arranged on an individual basis. Applicants with interests in an extended research experience are encouraged to contact the Department for information.



## Alumni Association

The Weill Cornell Medical College Department of Ophthalmology has had a strong tradition of training future ophthalmologists and vision researchers. Previous faculty and trainees have gone on to be academic leaders and prominent clinician-scientists.

The Weill Cornell Medical College Department of Ophthalmology Alumni Association was developed to connect alumni to the Department and to each other.



*Dr. Claes H. Dohlman (center left) and Dr. James Aquavella (center right) with faculty at Keratoprosthesis Course*



*Retina Fellow Cristiana G. Pieroni, MD, with (from left) Drs. Lee, Coleman, Chan, D'Amico and Mango*



*Ellsworth Lecturer Frederick A. Jakobiec (center) with Drs. Norman B. Medow (left) and Richard S. Muchnick*

Its mission is to support the Department's commitment to teaching, research, clinical care, and public service. All alumni are encouraged to remain involved as the Alumni Association consists of all WCMC Department of Ophthalmology faculty and graduates of the residency and fellowship (research and clinical) programs.

The Alumni Association steering committee consists of current faculty and previous graduates of the program who continue to be actively involved with resident and fellow education. Throughout the year, alumni will be notified by email or mail of the grand rounds schedule, special lectures, Alumni Day annual events, fellow and resident graduation invitations, and departmental updates. All alumni are encouraged to be involved in the Alumni Association and are most welcome to support the department through involvement with continuing education programs as well as via philanthropic support for residency, fellowship, and alumni activities.



*Visiting expert, Dr. Stella Kim (left), with Drs. Kimberly C. Sippel and Jessica B. Ciralsky*



*Dr. Jennis Pae (center) receives diploma from Drs. Charles A. Cole and Christopher E. Starr*

Please visit our website at [www.weillcornelleye.org](http://www.weillcornelleye.org) if you would like to be added to our listserve.

Weill Cornell Medical College  
Department of Ophthalmology

# Giving Opportunities

It is an exciting time for Weill Cornell Ophthalmology. Led by Chairman Donald J. D'Amico, MD, Betty Neuwirth Lee and Chilly Professor in Stem Cell Research, this rapidly expanding Department is on a trajectory of success, having already been ranked among the top Ophthalmology Departments in the 2010-2011 *U.S. News and World Report*.

Philanthropic support is vital to maintaining our momentum and enabling even further growth in the areas of education, research, and patient care.

## ENDOWMENT OPPORTUNITIES

Endowed gifts help sustain us as a premier center of learning and allow us to attract and retain outstanding faculty members, fellows, and students. They provide crucial financial aid and support key departmental resources. Endowment possibilities include:

- *A Full Professorship*
- *A Clinical Scholar, Research Scholar, or Education Scholar Award for junior faculty*
- *Post-Doctoral Fellowships*
- *Scholarships for exceptional medical students*

## FUNDING FOR RESEARCH AND CLINICAL PROGRAMS

The Department of Ophthalmology is involved in several cutting-edge research projects and clinical trials; giving opportunities in this area are abundant. Philanthropic support affords us the ability to explore these important endeavors and propel our findings from bench to bedside as quickly as possible.

Additionally, we seek to keep our facility up to date with the most advanced diagnostic, therapeutic, and laser technologies available in this rapidly changing field. We welcome donor contributions for the purchase of the finest and most effective instruments and equipment for the treatment of ophthalmic conditions.

## PLANNED GIVING

Planned gifts such as bequests, life income gifts, charitable trusts, and insurance policies play a vital role in ensuring the Medical College's continued leadership in the field of Ophthalmology.



For more information about how you can support Weill Cornell Medical College's Department of Ophthalmology, please contact our development officer, Adrienne Rose, at (646) 317-7353 or [adr2005@med.cornell.edu](mailto:adr2005@med.cornell.edu).



Weill Cornell Medical College

**NewYork-Presbyterian**  
Weill Cornell Medical Center

## WEILL CORNELL EYE ASSOCIATES

### *Information for Patients and Physicians*

Weill Cornell Eye Associates is the group practice in Ophthalmology for the Physician's Organization of Weill Cornell Medical College and the NewYork-Presbyterian Hospital. We offer the full range of ophthalmic examinations and services in the award-winning Weill Greenberg Center at 1305 York Avenue (at East 70th Street) in Manhattan. As a group practice, we affirm our commitment to the highest excellence in patient care, and we have outstanding subspecialists within our group to diagnose and treat any aspect of vision loss or discomfort, from the simple need for appropriate eyeglasses to the successful performance of complex ocular surgery.

We invite you to visit our website at **[www.weillcornelleye.org](http://www.weillcornelleye.org)** for in-depth information regarding our physicians and services, or to call our department at **646-962-2020** for assistance and appointments. We are fully available to you for any concerns regarding the marvelous gift of sight.

**Department of Ophthalmology**  
Weill Greenberg Center  
1305 York Avenue  
(at East 70th Street)  
New York, NY 10021

