KEYNOTE PLENARY LECTURES
SATURDAY, 22 JANUARY 2011 • 1400 - 1540hrs • COMPASS BALLROOM, WEST 1-2, B2
Chairpersons: WONG Tien Yin (Singapore), KHAW Peng Tee (UK)

1400 - 1420hrs • PLENARY LECTURE 1 - ARTHUR LIM INTERNATIONAL LECTURE

Translating Laboratory Discovery to Clinical Advances – Repairing and Regenerating the Eye

KHAW Peng Tee (UK)

Peng Tee Khaw is Professor of Glaucoma & Ocular Healing, Consultant Ophthalmic Surgeon, and Director of the UK National Institute for Health Research Biomedical Research Centre in Ophthalmology at Moorfields Eye Hospital and UCL Institute of Ophthalmology. He is Director of Research and Development at the Moorfields Eye Hospital, and Director of the Eyes and Vision Theme, UCL Partners Academic Health Science Centre.

Prof. Khaw’s group studies the biology of healing, the prevention of scarring, and the regeneration of tissues after ocular surgery and disease. The group has designed inexpensive single applications of intraoperative anti-metabolites which have led to successful long-term glaucoma surgery clinical trials in the UK, the Far East and Africa. The Moorfields technique has led to a dramatic reduction in wound-related complications and has now been widely adopted around the world.

Prof. Khaw’s group has won many awards including the first international ARVO Pfizer Translational Medicine and Alcon Institute prizes.

Prof. Khaw is one of 200 UK NIHR Senior Investigators and was elected to the Fellowship of the UK Academy of Medical Sciences.

1420 - 1440hrs • PLENARY LECTURE 2

Tomorrow’s Neuro-ophthalmology Today

Neil R MILLER (USA)

Neil R. Miller is Professor of Ophthalmology, Neurology, and Neurosurgery at the Johns Hopkins Medical Institutions, where he is also the Frank B. Walsh Professor of Neuro-Ophthalmology and head of the Neuro-Ophthalmology and Orbital Division of the Wilmer Eye Institute.

Prof. Miller has authored or co-authored over 420 articles, 80 chapters, and 12 books, including Walsh and Hoyt’s Clinical Neuro-Ophthalmology, a major textbook in the field.

Prof. Miller has spoken at numerous international meetings and has given 44 named lectures, including the 2001 Edward Jackson Memorial Lecture at the annual meeting of the American Academy of Ophthalmology, the 2003 Montgomery Lecture at the Irish College of Ophthalmology, the 2005 William F. Hoyt Lecture at the AAO annual meeting, and the 2006 Doyne Memorial Lecture at the annual meeting of the Oxford Ophthalmological Congress. He has received numerous awards, including the Distinguished Service Award from the North American Neuro-Ophthalmology Society and the Lifetime Achievement Award from the AAO.

Prof. Miller has trained numerous neuro-ophthalmologists around the world and is cited annually by various magazines and periodicals as one of the top physicians in the United States.

1440 - 1500hrs • PLENARY LECTURE 3 - SINGAPORE EYE FOUNDATION LECTURE

Complex Cataract Surgery Today

CHEE Soon Phaik (Singapore)

Chee Soon Phaik is Associate Professor of the Department of Ophthalmology at the Yong Loo Lin School of Medicine, National University of Singapore, was one of the pioneer ophthalmologists of the Singapore National Eye Centre, which she joined in February 1991. After training in Oculoplastic and Uveitis at the Moorfields Eye Hospital in London, she built up the Ocular Inflammation and Immunology Service in SNEC.
Prof. Chee’s main uveitis research interests are in Vogt-Koyanagi-Harada Disease, cytomegalovirus infection in the immunocompetent, dengue maculopathy, and endogenous endophthalmitis. In cataract surgery, she is actively engaged in the evaluation of cutting-edge technology intraocular lenses (IOL) and phacoemulsification equipment. She specialises in anterior segment reconstruction and managing complicated cases, such as subluxated cataracts and IOLs, and has developed new techniques for managing these cases. She has directed many cataract teaching courses and performed numerous live surgeries.

Prof. Chee is an Asia-Pacific Association of Cataract and Refractive Surgeons (APACRS) Certified Educator (A.C.E), recognised for her contribution in teaching cataract surgery in the region. She has trained four local fellows and six international fellows and continues to attract fellows from as far as the Middle-East. She has over 100 peer-reviewed publications, co-authored three textbooks and contributed several book chapters.

1500 - 1520hrs • PLENARY LECTURE 4

**Frontiers in Paediatric Ophthalmology and Strabismus**

**Brian G MOHNEY (USA)**

Brian G. Mohney is a Professor of Ophthalmology at Mayo Clinic in Rochester, Minnesota. He received his undergraduate degree in philosophy at the University of Arizona and his medical degree at Texas A&M College of Medicine. He completed his ophthalmology residency at Mayo Clinic and a fellowship in paediatric ophthalmology and adult strabismus with the late Dr. Marshall Parks at the Children’s National Medical Center in Washington, DC. Prof. Mohney joined the Department of Ophthalmology at Mayo Clinic in 2001. There, he initiated a fellowship programme in paediatric ophthalmology and strabismus, which he currently leads as programme director.

Prof. Mohney’s clinical practice includes the entire gamut of paediatric ophthalmology from strabismus to intraocular surgery, ROP, ptosis, and retinoblastoma. His research interests include the epidemiology of paediatric eye disorders, particularly the incidence, natural history, and outcomes in childhood strabismus. He and his colleagues at Mayo Clinic are investigating the ideal timing for intervention in intermittent exotropia and he is the Protocol Chair for IXT2, a prospective, international randomised clinical trial of observation versus occlusion therapy for intermittent exotropia funded through the National Institutes of Health.

1520 - 1540hrs • PLENARY LECTURE 5

**Diabetic Retinopathy – Major Advances and Future Challenge**

**WONG Tien Yin (Singapore)**

Wong Tien Yin is currently Professor and Director of the Singapore Eye Research Institute, National University of Singapore and Senior Consultant Ophthalmologist at the Singapore National Eye Centre and National University Health System. He is concurrently Professor of Ophthalmology at the Centre for Eye Research Australia, the University of Melbourne.

Prof. Wong is a retinal specialist and leads a research programme on the epidemiology, impact and treatment of retinal diseases, including diabetic retinopathy, age-related macular degeneration, and retinal vein occlusion. His research interests include early retinal vascular changes and the use of novel retinal imaging techniques to predict cardiovascular disease. He has published more than 400 peer-reviewed papers and has written three books that are widely used in ophthalmology.

For his research, Prof. Wong has been recognised nationally and internationally with awards not only in ophthalmology, but also in the fields of cardiovascular disease and diabetes. Prof. Wong currently supervises 30 research staff and has trained 10 post-doctoral research fellows and PhD students. He is currently supervising four PhD students and four post-doctoral fellows.
Future Trends in the Management of Orbital Disease

Jack ROOTMAN (Canada)

Jack Rootman received his ophthalmology training at the University of Alberta in Edmonton, Canada, and undertook three fellowships: ocular pathology and experimental pathology at the University of London Institute of Ophthalmology, ocular oncology and orbital disease at the Columbia Presbyterian Hospital Institute of Ophthalmology in New York, and orbital disease with Dr. John Wright at Moorfields Eye Hospital in London, England.

Prof. Rootman served as chairman of the Departments of Ophthalmology for the University of British Columbia and the Vancouver General Hospital & Health Sciences Centre from 1990 to 2001. He is currently Professor in Ophthalmology and Visual Sciences, and Pathology and Laboratory Medicine at the University of British Columbia.

Prof. Rootman’s interests are in orbital disease, ophthalmic pathology, and ocular oncology, and he has published extensively in these areas. He has written two textbooks, one on orbital disease and the other on surgery of the orbit. His latest endeavour is a multidisciplinary digital media teaching tool for diagnosing orbital disease.

Prof. Rootman actively participates in residency and fellowship training in orbital disease. His orbit fellowship attracts fellows from all over the world.

Innovations in Therapy in Uveitis

James T ROSENBAUM (USA)

James T. Rosenbaum is Professor of Ophthalmology, Medicine, and Cell Biology at Oregon Health & Science University in Portland, Oregon, where he holds the Edward E. Rosenbaum Chair in Inflammation Research, named in honor of his father. He is also chair of the division of Arthritis and Rheumatic Diseases at OHSU.

Prof. Rosenbaum is one of the few rheumatologists in the world devoted to understanding inflammatory eye diseases. In 1980, he and his colleagues described a model of uveitis that has since become the standard for studying the role of the innate immune system in intraocular inflammation.

Prof. Rosenbaum was among the first to explore the contribution of cytokines and adhesion molecules in uveitis. He and his colleagues pioneered the use of intravitreal methotrexate to treat intraocular lymphoma. His group at OHSU has published the largest series on the use of biologic therapy for uveitis.

Prof. Rosenbaum is the author of numerous essays, editorials, and more than 300 original papers. He has co-authored one book, and written over 60 book chapters or invited contributions.

In 2011, Dr. Rosenbaum will be the ARVO Friedenwald award recipient.
New Developments in Retinal Photocoagulation

Mark S BLUMENKRANZ (USA)

Mark S. Blumenkranz is a graduate of Brown University. He completed his internship in surgery and residency in ophthalmology at Stanford, and his fellowship in vitreoretinal diseases at the Bascom Palmer Eye Institute. He is currently Professor and Chairman of the Stanford Department of Ophthalmology.

Prof. Blumenkranz is the author of numerous publications and patents. A number of his inventions and research projects have been licensed through the Stanford Office of Technology and Licensing, leading to FDA-approved treatments used around the world.

Prof. Blumenkranz is currently the President of the Retina Society, a Fellow of the Corporation of Brown University, and Immediate Past President of the American University Professors of Ophthalmology.

Prof. Blumenkranz has received a number of awards for his work, including the Research to Prevent Blindness Special Manpower Award, the Heed Award, the Rosenthal Award in Visual Sciences, the American Academy of Ophthalmology Lifetime Achievement Award, the Alcon Research Institute Award for Contributions in Ophthalmic Research, the Gertrude Pyron Award from the American Society of Retinal Specialists for Lifetime Innovations in Vitreoretinal Surgery, and the Visionary Award from The Foundation Fighting Blindness.

Tomorrow’s Corneal Transplants, Today

Donald T H TAN (Singapore)

Donald T.H. Tan is the Medical Director of the Singapore National Eye Centre (SNEC), Chairman of the Singapore Eye Research Institute (SERI) and a tenured professor at the Department of Ophthalmology at the National University of Singapore. He heads the SNEC Cornea and Refractive Services and is the Medical Director of the Singapore Eye Bank.

Prof. Tan’s research focuses on new forms of lamellar keratoplasty, ocular surface and stem cell transplantation, artificial cornea surgery, refractive surgery trials, and epidemiological studies on myopia and clinical trials on various approaches to retarding myopia progression. He has published 226 peer-reviewed articles, and contributed 18 book chapters. He has trained 22 corneal fellows from 13 countries.

Prof. Tan was awarded the Asia-Pacific Academy of Ophthalmology De Ocampo Award in 2001, an AAO Distinguished Achievement Award in 2006, and a Singapore National Public Health Award for first identifying and stemming the 2006 global outbreak of contact lens solution-related Fusarium keratitis. In 2009, he was awarded the 2009 Casebeer Award by the International Society of Refractive Surgery (ISRS) and the American Academy of Ophthalmology (AAO) for his contributions to research in the field of refractive surgery.

Prof. Tan is currently Vice-President/President Elect of the Cornea Society. He is the founding President of the Asia Cornea Society (ACS) and the Association of Eye Banks of Asia (AEBA).