Tentative Schedule
GHEI Colloquium
November 4-5, 2011

Friday-November 4, 2011

Registration and Continental Breakfast
Welcome

8:40-Noon

SEE THE FUTURE SYMPOSIUM

Vision Research at The Gavin Herbert Eye Institute: Overview
Anthony Nesburn, MD

Femtosecond Lasers

Introduction to Fast Pulsed Lasers and Photon-tissue Interactions
Tibor Juhasz, PhD
Dynamic Imaging of the Optic Nerve Head Structure and Biomechanics using FS Lasers
Donald Brown, PhD
3D Corneal Structure and Biomechanics Probed by FS lasers
Moritz Winkler, PhD
Scleral Tunneling using FS Lasers
Dongyl Chai, PhD
Discussion and Q&A

Break

Translational Research in the Eye

Controlling Age Related Meibomian Gland Dysfunction by PPARα Agonists
James Jester, PhD
Corneal Biomechanics & Crosslinking in Keratoconus
M. Cristine Kenney, PhD
Retinal Detection of Alzheimer's Disease
Zhiqun Tan, PhD
Herpes Vaccine Development
Lbachir BenMohammed, PhD
Age Related Macular Degeneration
Baruch Kuppermann, MD, PhD
Corneal Collagen Cross-Linking
Ronald Gaster, MD
Discussion and Q&A

Stem Cell Therapy and the Eye

Gavin Herbert Keynote Lecture: Stem Cell Therapies in Medicine
Peter Donovan, PhD
Corneal Stem Cell Transplantation, Scarring, and Cystinosis
Jennifer Simpson, MD
Retinal Progenitor Cell Therapy for AMD and RP
Henry Klassen, MD, PhD
Discussion and Q&A

Lunch

FEMTOSECOND LASER FORUM

Introduction
Roger F. Steinert, MD
What's So Special about Femtosecond Lasers? What Every Surgeon Should Know
Ron Kurtz, MD
Gavin Herbert Keynote Lecture: Femtosecond Laser Anterior Segment Surgery
Perry Binder, MD
Femtosecond Laser Penetrating Keratoplasty: Current Results
Sumit (Sam) Garg, MD
Femtosecond Laser Assisted Big-bubble DALK
Marjan Farid, MD
FS Laser Deep Lamellar Dissection: The Pathway to DMEK?
Roger F. Steinert, MD
Considering the Purchase of a Femtosecond Laser for Cataract Surgery? Things You Should Consider
Kevin Miller, MD
My Thoughts on FS Laser Refractive Cataract Surgery
Richard L. Lindstrom, MD
Panel Discussion and Audience Q&A

Break and Refreshments

Gavin Herbert Keynote Lecture: Threats to Education and Innovation in America
Richard L. Lindstrom, MD
Challenges for a Research University
Chancellor Michael Drake, MD or Dean Ralph Clayman, MD
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4:10-4:20 The Mission and Goals of The Gavin Herbert Eye Institute
Roger F. Steinert, MD

4:20-4:30 Special Recognition of Gavin Herbert and James Mazzo

4:30-5:30 Poster Session and Reception

Saturday-November 5, 2011

8:00-8:30 Continental Breakfast

ADVANCING CATARACT SURGERY

8:30-8:40 Cataract Surgery and Glaucoma
Richard L. Lindstrom, MD

8:40-8:50 Glaucoma Surgical Options during Cataract Surgery
Sameh Mosaed, MD

8:50-9:15 Gavin Herbert Keynote Lecture: The Challenge of Weak Zonules
David F. Chang, MD

9:15-9:25 Management of High Risk Retinal Disease Patients having Cataract Surgery
Stephanie Lu, MD

9:25-9:35 Astigmatism Management
Kevin Miller, MD

9:35-9:45 Pearls for Avoiding Capsulorrhexis Complications
David F. Chang, MD

9:45-9:55 Phaco of the Rock Hard Cataract
Roger F. Steinert, MD

9:55-10:10 Panel Discussion and Audience Q&A

10:10-10:30 Break and Refreshments

COMPLICATION MANAGEMENT

10:30-10:40 Wavefront Analysis of Unhappy Multifocal IOL Patients
David F. Chang, MD

10:40-11:05 Gavin Herbert Keynote Lecture: Artificial Iris Implantation
Kevin Miller, MD

11:05-11:15 LASIK and PRK for Advanced Technology IOL Enhancement
Richard L. Lindstrom, MD

11:15-12:15 Cataract / IOL Grand Rounds: Case Presentations and Panel Discussion with Audience Q&A
Drs. Chang, Lindstrom, Miller, Mosaed, and Steinert

12:15-1:15 Lunch

PRESBYOPIA CORRECTION

1:15-1:25 Update on Current Accommodating IOLs and Surgical Pearls
Richard L. Lindstrom, MD

1:25-1:35 My Approach to Premium IOL Patients
Kevin Miller, MD

1:35-1:45 Dual Optic Accommodating IOLs
David Chang, MD

1:45-1:55 Intracorneal Inlays
Perry Binder, MD

1:55-2:05 Conductive Keratoplasty: There is Still a Role
Robert Lingua, MD

2:05-2:15 An Organized Approach to Blepharitis and Dry Eyes in Premium IOL Patients
Marjan Farid, MD

2:05-3:00 Challenging Cases
Drs. Lindstrom, Miller, Chang, Binder, Farid, and Steinert

2:30-2:50 Break and Refreshments

CHALLENGES AND FUTURE DIRECTIONS

2:50-3:00 Trends in Oculoplastic Facial Surgery
Jeremiah Tao, MD

3:00-3:10 Where is Glaucoma Surgery Headed?
George Baerveldt, MD

3:10-3:20 Current Understanding of Post-LASIK Ectasia
Perry Binder, MD

3:20-3:30 Post-LASIK IOL Power Nomogram
Kevin Miller, MD

3:30-3:45 Major Trends in Ophthalmic Innovation: A Look to the Future
Richard L. Lindstrom, MD

3:45-4:15 Panel Discussion: Crystal Ball Audience Q&A
Drs. Binder, Chang, Lindstrom, Miller, Baerveldt, Tao, Steinert

4:15-4:30 Wrap-up
Roger F. Steinert, MD