FRIDAY, DECEMBER 8

7:00-8:00  Registration and Breakfast

8:00-8:05  Opening Remarks
JACK CIOFFI, MD (CUMC)

Session 1:  Genetics and Gene Editing in Ophthalmic Disease (moderator: Stephen Tsang)

8:05-8:20  Genetic Controls of Ocular Development
XIN ZHANG, PHD (CUMC)

8:20-8:35  The Role of Genome-wide Studies for the Discovery of New Genetic Loci for Ophthalmic Disease
RANDO L. ALLIKMETS, PHD (CUMC)

8:35-8:50  Myopia: New Genes and New Pathways for an Old Problem
ANDREI TKATCHENKO, PhD (CUMC)

8:50-9:10  Engineering the Human Gene to Treat Inherited Retinal Dystrophies
STEPHEN H TSANG, MD, PHD (CUMC)

9:10-9:25  Discussion

9:25-9:30  Introduction of Jonas Children’s Vision Care and Inaugural Jonas Lecturer
Stephen H Tsang, MD, PhD (CUMC)

9:30-10:00  Jonas Lecture: The Role of Genetic Testing in Pediatric Ophthalmology
IRENE H MAUMENEES, MD (CUMC)

10:00-10:10  Questions for Dr. Maumenee

10:10-10:15  Presentation of the Appreciation Token

10:15-10:35  REFRESHMENT BREAK
Session 2: Pediatric Ophthalmology: Emerging Concepts and Questions
(moderator: Steven Brooks)

10:35-10:48 Pediatric Keratoconus: Is Cross-linking the Answer?
LEEJEE SUH, MD (CUMC)

10:48-11:01 The Role of Fundus Autofluorescence in Pediatric Patients
JANET SPARROW, PHD (CUMC)

11:01-11:14 Pediatric Cataract: What is the Refractive Target?
STEVEN KANE, MD, PHD (CUMC)

11:14-11:27 Pediatric Ptosis: To Sling or Not to Sling?
BRYAN WINN, MD (CUMC)

11:27-11:40 Music for the Child with Low Vision
Leslie Jones, DMA (Lighthouse-Guild)

11:40-11:53 Amblyopia: Is Patching Still the Answer?
LAUREN YEAGER, MD (CUMC)

11:53-12:06 DSEK in Children
DANIELLE TRIEF, MS, MD (CUMC)

12:06-12:25 Discussion

12:25-13:30 Lunch and Exhibition

Session 3: Retinoblastoma and Pediatric Tumors (moderator: Brian Marr)

13:30-13:45 Precision Medicine for Retinoblastoma
MANUELA ORJUELA, MD (CUMC)

13:45-14:00 Retinoblastoma: Current Therapies
DAVID ABRAMSON, MD (MEMORIAL SLOAN KETTERING CANCER CENTER)

14:00-14:15 Genetic Counseling for Retinoblastoma
BRIAN MARR, MD (CUMC)

14:15-14:30 Capillary Hemangioma: New Insights into Pathogenesis and Treatment
MARIA GARZON, MD (CUMC)

14:40-14:50 Optic Nerve Glioma in Children
MICHAEL KAZIM, MD (CUMC)

14:50-15:05 DISCUSSION

15:05-15:25 REFRESHMENT BREAK
Session 4: Retinopathy of Prematurity and Angiogenesis (moderator: Steven Brooks)

15:25-15:35  ROP: What is PLUS Disease Exactly?
JASON HOROWITZ, MD (CUMC)

15:35-15:50  ROP: The Role of Retinal Glia
STEVEN BROOKS, MD (CUMC)

15:50-16:00  Predicting ROP: The G-ROP Study
GIL BINENBAUM, MD, MSCE (Children’s Hospital of Philadelphia)

16:00-16:15  Discussion

16:15-16:20  Introduction of the Arthur Gerald DeVoe Lecturer
BRIAN MARR, MD (CUMC)

16:20-16:50  DeVoe Lecture: Neurovascular Disease in the Eye: Do We Really Want to Bash Blood Vessels with Anti-angiogenics?
MARTIN FRIEDLANDER, MD, PhD (THE SCRIPPS RESEARCH INSTITUTE)

16:50-17:00  Questions for Dr. Friedlander

17:00-17:05  Presentation of Appreciation Token

17:05-17:10  Program Conclusion and Wrap-Up
Steven Brooks, MD (CUMC)

For EXHIBITOR INFORMATION, contact Giselle Gonzalez at gmg2109@columbia.edu or (212) 305-7199