

PRECISION OPHTHALMOLOGY 2017

FIGHTING CHILDHOOD BLINDNESS: FROM BENCH TO BEDSIDE

*THE HEART CONFERENCE CENTER, VIVIAN AND SEYMOUR MILSTEIN FAMILY HEART CENTER,
NEW YORK- PRESBYTERIAN HOSPITAL
173 Fort Washington Ave., New York, NY 10032*

FRIDAY, DECEMBER 8

7:00-8:00 Registration and Breakfast

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

Session 1: Genomics 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)

8:50-9:05 Engineering the human gene to treat inherited retinal dystrophies
STEPHEN H TSANG MD, PHD (CUMC)

9:05-9:25 Discussion

9:25-9:30 Introduction of the **Jonas Initiative and Inagural Jonas Lecturer**
Stephen H Tsang MD, PhD (CUMC)

9:30-10:00 **Jonas Lecture:** The role of genetic testing in pediatric ophthalmology
IRENE H MAUMENEE MD (University of Illinois)

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 Surgery
BRYAN WINN MD (CUMC)
- 11:27-11:40** Music therapy in children with low vision
LESLIE JONES MD (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** Retinoblastoma, precision medicine, risk and prevention
MANUELA ORJUELA MD (CUMC)
- 13:45-14:00** Retinoblastoma: Emerging therapies
DAVID ABRAMSON MD (MEMORIAL SLOANE KETTERING)
- 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)
- 14:40-14:45** Optic nerve glioma in children
MICHAEL KAZIM MD (CUMC)
- 14:45-15:05** DISCUSSION
- 15:05-15:25** *REFRESHMENT BREAK*

Session 4: ROP and Angiogenesis (moderator: Steven Brooks)

- 15:25-15:35** ROP: What is PLUS disease exactly?
JASON HOROWITZ MD (CUMC)
- 15:35-15:45** ROP: The Role of Retinal Glia
STEVEN BROOKS MD (CUMC)
- 15:45-15:55** Predicting ROP: the G-ROP study
GIL BIENEBAUM MS, MD (Children's Hospital of Philadelphia)
- 15:55-16:10** Discussion
- 16:10-16:15** Introduction of **DeVoe Lecture** speaker
BRIAN MARR MD (CUMC)
- 16:15-16:45** **DeVoe Lecture:** Angiogenesis in the eye: separating normal from pathological
MARTIN FRIEDLANDER MD, PHD (SCRIPPS INSTITUTE)
- 16:45-16:55** Questions for Dr. Friedlander
- 16:55-17:00** Presentation of Appreciation Token
- 17:00-17:05** Program Conclusion and Wrap-Up
Steven Brooks MD (CUMC)