The month-long Basic Science Course in Ophthalmology incorporates over 160 hours of lectures and workshops by a faculty of over 80 distinguished experts. Among them are:

Ronald H. Silverman, PhD
Course Director
Stephen H. Tsang, MD, PhD
Co-Director
Lama A. Al-Aswad, MD
Rando Allikmets, PhD
Jeffrey Ascherman, MD
James Drake Aurum, MD
Srilaxmi Bearely, MD
Robert A. Braunstein, MD
Alexandra L. Braunstein, MD
Steven Brooks, MD
Dana Blumberg, MD, MPH
Daniel S. Casper, MD, PhD
Jonathan Chang, MD
Stanley Chang, MD
Royce W.S. Chen, MD
George A. Cioffi, MD
Jackson Coleman, MD
Arthur Cotlar, MD
C. Gustavo De Moraes, MD
Nancy Fan-Paul, MD
George Florakis, MD
Pamela Gallin, MD
Michael Goldberg, MD
B. David Gorman, MD
Vivienne Greenstein, PhD
Jason Horowitz, MD
Donald Hood, PhD
Michael Kazim, MD
Stephen Kane, MD, PhD
Paul L. Krawitz, MD
Martin L. Leib, MD
Jeffrey M. Liebmann, MD
Robert Lopez, MD
Carol Mason, PhD
John C. Merriam, MD
Golnaz Moazami, MD
Jeffrey G. Odel, MD
Louis D. Pizzarello, MD
Hermann O. Schubert, MD
Janet R. Sparrow, PhD
Leejee H. Suh, MD
Linus Sun, MD
Andrei Tkatchenko, PhD
Stephen Trokel, MD
Tongalp Tezel, MD
Michael Weiss, MD
Lauren Yeager, MD
Xin Zhang, PhD
Since 1941, the Edward S. Harkness Eye Institute at the Columbia University Department of Ophthalmology has offered an ophthalmology basic science course. While the focus of the course is resident training, it has also proven useful for the visual sciences community as a whole. Coursework examines the fundamentals of vision and emphasizes how these basic principles relate to patient care.

The curriculum is developed by a committee of active scientists, practicing clinicians and the chief academic resident, and is updated annually to include the most recent scientific advances as well as any controversial developments in the field. It is also continuously revised in response to feedback from previous course evaluations. An international faculty of more than 80 clinicians and scientists is chosen based on expertise, clarity of presentation, and visual aids.

2019 Course Outline
January 7 – February 1, 2019

- Over 100 hours of lectures
- Two days of instruction in optics, refraction, and retinoscopy
- Imaging workshops, including ultrasound, OCT, the pentacam and keratography
- An introduction to microsurgery with a phacoemulsification and lens folding wet lab
- An introduction to glaucoma surgery with a trabeculectomy and valve implant wet lab
- A two-day dissection of the lid, lacrimal system and orbit

Class of 2018 with Ronald Silverman, PhD, BSCO Course Director

REGISTRATION FORM

NAME:       FIRST    MIDDLE     LAST

ADDRESS:

CITY:       STATE:

ZIP CODE:   COUNTRY:

TELEPHONE:  FAX:

EMAIL:

RESIDENCY PROGRAM

CHAIRMAN/DIRECTOR:

ADDRESS:

CITY:       STATE:

ZIP CODE:   COUNTRY:

TELEPHONE:  FAX:

GENDER:        M        F DATE OF BIRTH: (for security purposes)

Tuition:

Early Registration $2,000 (ends November 24, 2018)
Late Registration $2,300 (ends December 20, 2018)

METHOD OF PAYMENT:

CREDIT CARD CHECK (made out to CUMC Department of Ophthalmology)

CREDIT CARD NUMBER: EXP. DATE:

SIGNATURE:

Please mail, fax or email completed form and payment to:
Giselle Gonzalez, Course Manager
Columbia University Medical Center
635 West 165th Street, Ste. 218/Box 20
New York, NY 10032
Tel: 212-305-7199 | Fax: 212-305-5962
e-mail: bsco@columbia.edu
Register and pay online at
columbiabseye.org/education/the-basic-science-course