

# 2020

THE OPTOMETRIC GLAUCOMA FOUNDATION'S  
4TH ANNUAL EDUCATORS PROGRAM  
&  
A VIRTUAL MEETING OF  
THE OPTOMETRIC GLAUCOMA SOCIETY

## SEPTEMBER 12, 2020



OPTOMETRIC  
GLAUCOMA  
SOCIETY

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# Optometric Glaucoma Foundation

4<sup>th</sup> Annual OGF Educators Program & 2020 OGS Meeting  
September 12, 2020

*All times are Eastern Daylight Time*

10:00am-12:00pm     **Don Hood, PhD**

***An OCT Approach to understanding and Detecting Glaucomatous Damage: What can we learn about glaucomatous damage and what are the implications for the clinician?***

*Moderated by Murray Fingeret*

Optical Coherence Tomography (OCT) allows the optic nerve/retinal nerve fiber layer/macula region to be examined in detail. This lecture will discuss how to analyze OCT scans and recognize when glaucomatous damage is present. The ways that OCT results correlate with perimetric findings will be discussed and how to use each test when evaluating whether the person has developed glaucomatous damage.

12:00-12:30pm     Break

12:30-2:30pm     **Thom Freddo, OD, PhD**

***Foundations of Glaucoma: Anterior Segment, Part I***

*Moderated by Richard Madonna*

The last ten years have witnessed significant changes in our understanding of how aqueous outflow occurs and rendered a whole new understanding of outflow resistance is created. It has also provided new insights into structural changes that likely contribute to elevation of IOP in POAG. This talk will bring you up to date on these many developments and also review the cellular and molecular mechanisms of action of the major classes of drugs we use to treat glaucoma, including the new Rho-kinase inhibitors. Much has changed. If you thought that pilocarpine worked by pulling on the scleral spur, come find out why that is likely incorrect.

2:30-3pm     Break

3-3:50pm     **Thom Freddo, OD, PhD**

***Foundations of Glaucoma: Anterior Segment, Part II***

4-5:00pm     **Peter Lalle, OD**

***Examining the Optic Nerve***

*Moderated by Michael Chaglasian*

As optical coherence tomography has become an important tool in evaluating the back of the eye, the skill of examining the optic nerve is becoming a lost art. This talk will discuss the importance and process of examining the optic nerve/retinal nerve fiber layer and using stereo slides, describe the steps in how to evaluate the back of the eye.

*This program is also supported by Medical Education Grants  
from Alcon, Bausch + Lomb, and Zeiss.*

# Speakers



## **Don Hood**

Donald C. Hood, the James F. Bender Professor of Psychology and Professor of Ophthalmic Science (in Ophthalmology), has been a member of the Columbia faculty since 1969; he has won all three of its major teaching awards. He holds M.Sc. and Ph.D. (1970) degrees from Brown University and honorary degrees from Smith College (2000), Brown University (2017), and State University of New York College of Optometry (2019). He is an elected Fellow of the American Academy of Arts and Sciences and a recipient of an Alcon Research Institute Award (2014). He currently serves as Editor-in-Chief of IOVS and is also on the editorial boards of Documenta Ophthalmologica, and J. of Glaucoma. While some of his over 300 publications deal with issues of the basic neuroscience of vision, most of his work over the last 30 years has concerned research on diseases of the retina and optic nerve. He has had continuous grant support from NIH/NEI for over 45 years.



## **Thomas F. Freddo, O.D., Ph.D.**

Dr. Thomas Freddo is currently a semi-retired part-time Professor at the MCP Health Sciences University. He completed his B.A (Zoology/Chemistry) at The University of Connecticut, his O.D at The New England College of Optometry and Ph.D. (Anatomy/Pathology) at Boston University School of Medicine, where he also completed a Fellowship in Surgical Ophthalmic Pathology.

Dr. Freddo served for 25 years as Professor of Ophthalmology Pathology and Anatomy at Boston University School of Medicine, retiring in 2006. During this time, he maintained a part time, hospital-based practice of Optometry and Directed the Surgical Eye Pathology Service for both Boston Medical Center hospitals. In this role, he was the first OD voted to membership in the American Association of

Ophthalmic Pathologists, a section of the American Academy of Ophthalmology. At Boston Medical Center, Dr. Freddo also directed his NIH-funded research programs in anterior uveitis and glaucoma. During those 25 years, Dr. Freddo was the first OD to serve as a Vice-Chairman of an academic Department of Ophthalmology in the US.

In 2006, Dr. Freddo was named Professor and Director of the School of Optometry at The University of Waterloo, in Canada, a program that included the second largest contact lens research center in the world. In 2014, having completed this fixed term appointment, he returned to retirement in the US, before agreeing to take his current part-time teaching position in 2017.

He is a recipient of the Glenn Fry Award for Excellence in Research and the Research Excellence Award from the Optometric Glaucoma Society. He has received 12 teaching awards from 3 institutions and two honorary doctorates, one from the State University of New York and the other from University of Montreal. He is a past-President of the International Society for Eye Research, and served on the Boards of the American Academy of Optometry and the Massachusetts Society of Optometrists. He was named the first Chair of the Basic Medical Science section of the National Board Examination in Optometry. He also served on the Scientific Advisory Committee of Research to Prevent Blindness, as a consultant to the FDA Ophthalmic Medical Devices committee, and as a reviewer on the SBIR ophthalmic devices study section.

He currently serves as a member of the Board of Regents of Beta Sigma Kappa, the international optometric honor fraternity. He has served on the editorial boards of Experimental Eye Research and

Optometry and Vision Science. He is the author of over 100 original research articles, chapters and review articles, plus a clinical textbook on anatomy of the eye and orbit. Most recently, Dr. Freddo was named a Fulbright Senior Fellow by the U.S. State Department.

With broad interests across pathobiology of disease, he has consulted for a series of medical device and pharma companies in the ophthalmic, dermatological and cardiovascular spaces. He also serves on the data safety monitoring committee of the NEI-funded RAPID study, a multicenter clinical trial aimed at assessing the efficacy of topical Betadine (iodine) for the treatment of adenoviral conjunctivitis.



**Peter Lalle, OD, FAAO**

Dr. Lalle is a graduate of Pennsylvania College of Optometry and completed his residency at the Baltimore VAMC in 1980. From 1981 to 2016, Dr. Lalle served as the Chief of Optometry at Baltimore VAMC.

He has extensive experience in clinical training and is involved in several clinical professional organizations, including a founding member of the Optometric Glaucoma Society, and member of the International Perimetric Society, and the American Academy of Optometry. He also holds adjunct faculty appointments at Salus University/Pennsylvania College of Optometry, New England College of Optometry, and State University of New York College of Optometry, Southern College of Optometry and University of Alabama School of Optometry.



Optometric Glaucoma Foundation 3<sup>rd</sup> Annual Educators Program  
Saturday, September 14, 2019 Illinois College of Optometry



Optometric Glaucoma Foundation 2ND Annual Educators Program  
Saturday, September 8, 2018 UC Berkeley School of Optometry



Optometric Glaucoma Foundation 1ST Annual Educators Program  
Friday, October 27, 2017 SUNY College of Optometry

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