



**SUNY  
DOWNSTATE  
Medical Center**

**Department of  
Ophthalmology**

**Presents**

**THE VISITING  
RESEARCH LECTURE  
SERIES FOR 2017**

**SUNY Downstate  
Medical Center  
395 Lenox Road  
Brooklyn, NY 11203**

**January 6-7, 2017**

Current Concepts of Ophthalmology 2017  
CAESAR'S Atlantic City, NJ

**VISITING FACULTY**

Miguel N. Burnier Jr., M.D., Ph.D., FRCSC, Karl Golnik, M.D.,  
Daniel A. Johnson, M.D., William R. Katowitz, M.D., Nils A.  
Loewen, M.D., Ph.D., Mark A. Rolain, M.D., Steven  
Schallhorn, M.D., Mary A. Stefanyszyn, M.D., Lucy H.Y.  
Young, M.D., Ph.D., Marco Zarbin, M.D., Ph.D.

**January 19, 2017**

Prakash Kara, PhD  
Associate Professor Neuroscience and Ophthalmology  
Univ. South Carolina Med School, Clemson Bioengineering

Synaptic, Spiking and Vascular Cortical  
Maps of Sensory Stimulus Selectivity

**February 23, 2017**

J. Crawford Downs, PhD  
Professor of Ophthalmology, Biomedical Engineering and  
Computer and Information Sciences Vice-chair of  
Research; Director, Ocular Biomechanics and Biotransport  
Program; University of Alabama at Birmingham

Ocular Biomechanics in Aging And Disease

**March 23, 2017**

Julia Busik, PhD  
Professor, Department of Physiology  
Michigan State University

Bone marrow neuropathy and lipid metabolism  
in the development of diabetic retinopathy

**April 27, 2017**

Aude Oliva, PhD  
Principal Research Scientist  
CSAIL (Computer Science and Artificial Intelligence  
Lab), MIT Computer Vision & Graphics Group

What makes an image memorable?

**June 8, 2017, 8:00 AM - 4:00 PM**

45<sup>th</sup> Annual Alumni Ophthalmology Meeting  
Alumni Auditorium SUNY Downstate

VISITING FACULTY: Daniel Durrie, M.D., James  
Reynolds, M.D, Prem Subramanian, M.D., Terri L.  
Young, M.D., M.B.A.

**June 25, 2017**

Tonia Rex, PhD  
Associate Professor, Vanderbilt Eye Institute,  
Department of Ophthalmology & Visual Sciences,  
Vanderbilt University

Molecular changes that may underlie  
vision loss after mild ocular trauma

**October 5, 2017**

James Tahara Handa, MD  
Robert Bond Welch Professor  
Professor of Ophthalmology  
Wilmer Eye Institute, John's Hopkins University

Smoking Guns of AMD. Is Oxidative  
Stress One of Them?

**October 26, 2017**

J. Mark Petrash, PhD  
Professor and Vice Chair of Research  
Department of Ophthalmology  
University of Colorado School of Medicine

Therapeutic Strategies for Posterior  
Capsular Opacification

**November 30, 2017**

Michael E Goldberg, MD  
David Mahoney Professor of Brain and Behavior  
(in Neuroscience and Neurology [in Psychiatry and  
Ophthalmology]),  
Director, Mahoney Center, Columbia University

Saccades, space, and attention: the neurobiology  
of parietal cortex in the monkey

**ALL LECTURES TAKE PLACE  
3-4:00 PM IN CLASSROOM 1A  
HEALTH SCIENCE EDUCATION BLD.  
395 LENOX ROAD**