

2006 ARVO Annual Award Winners

1. Proctor Medal and Lecture

The Proctor Medal is the Association for Research in Vision and Ophthalmology's (ARVO) highest honor, according to the organization, and it is presented annually to a physician for their outstanding research in the basic or clinical sciences as applied to ophthalmology. **Trevor Lamb, ScD, FRS, FAA**, from the Australian National University, and **Edward N. Pugh Jr, PhD, FM**, from the Kirby Center for Molecular Ophthalmology, Scheie Eye Institute, University of Pennsylvania, received the award for their development of a comprehensive model of photoexcitation in rod receptors and the application of this model to the electroretinogram, leading to its use in the analysis of deficits in a variety of basic and clinical situations.

2. Friedenwald Award and Lecture

ARVO's Friedenwald Award is presented annually for outstanding research in the basic or clinical sciences as applied to ophthalmology. **David R. Williams, PhD**, from the University of Rochester, in New York, received the honor for his incomparable studies on human optics, human cone receptors and color vision and for his recent ground breaking work on the application of adaptive optics to human retinal imaging, according to ARVO.

3. Mildred Weisenfeld Award for Excellence in Ophthalmology and Lecture

The Weisenfeld Award is presented annually in recognition of distinguished scholarly contributions to the clinical practice of ophthalmology. ARVO announced that **Evangelos S. Gragoudas, MD**, from the Massachusetts Eye & Ear Infirmary, won the prize this year for his pioneering achievement in the use of proton beam irradiation in the treatment of intraocular melanoma and for the development of photodynamic therapy for neovascular age-related macular degeneration (AMD).

4. Cogan Award and Lecture

The Cogan Award is presented annually in recognition of a researcher, ≤ 40 years of age, who has made important and worthwhile contributions to research in ophthalmology or visual science that are directly related to disorders

of the human eye or visual system, and who shows substantial promise for future research, according to ARVO.

Joshua Lawrence Dunaief, MD, PhD, FM, from the Kirby Center for Molecular Ophthalmology, Scheie Eye Institute, University of Pennsylvania, received the award for his innovative investigations of iron metabolism and oxidative damage in the pathogenesis of AMD, including contributions from both human tissues and mouse models of the disease.

5. ARVO/Pfizer Ophthalmics Translational Research Awards

The ARVO/Pfizer Ophthalmics Translational Research Awards honor excellence in research and fundamental scientific discoveries, concepts and novel technologies leading to clinical evidence of diagnosis, prevention or amelioration of the pathological eye and/or an understanding of the normal vision processes. This Award has been established through a generous grant to the ARVO Foundation from Pfizer Ophthalmics (New York, NY).

Joan W. Miller, MD, from the Massachusetts Eye & Ear Infirmary, was selected for her research in nonhuman primates, and subsequent translation to humans, leading to the development of photodynamic therapy of neovascular AMD. She is the Henry Willard Williams Professor and Chair of Ophthalmology at Harvard Medical School. In addition, Miller is Chief of Ophthalmology at the Massachusetts Eye and Ear Infirmary in Boston. She is a past recipient of the American Academy of Ophthalmology (AAO) Achievement Award, the Alcon Research Institute Award (Alcon Laboratories, Ft Worth, Texas), and the Retina Research Award of the Club Jules Gonin.

Joel S. Schuman, MD, University of Pittsburgh, was selected as a key researcher in the development of optical coherence tomography that is widely used clinically in the diagnosis and management of glaucoma and retinal diseases. He is Eye and Ear Foundation Professor and Chairman of Ophthalmology at the University of Pittsburgh School of Medicine. In 2002, Schuman received the Alcon Research Institute Award of Excellence and, the following year, the AAO's Senior Achievement Award. ■