

Research Progress

For more than 35 years, Glaucoma Research Foundation has funded innovative clinical and laboratory research. We will continue to lead the way in research until a cure is found.

Glaucoma Research Foundation invests in individual research grants to expand our knowledge about glaucoma — and we fund multi-year collaborative research to find new ways to diagnose, manage, and prevent this blinding disease.

Catalyst for a Cure

The Catalyst for a Cure team is working collaboratively to identify new, specific and sensitive biomarkers for glaucoma. The team of investigators continues to make significant progress in their research. The impact of their work will be valuable to both patients and eye doctors, potentially transforming how glaucoma is diagnosed and treated.



Alfredo Dubra, PhD

Associate Professor of Ophthalmology and Biophysics, Department of Ophthalmology, The Eye Institute, Medical College of Wisconsin, Milwaukee

The main goal of the Dubra lab is to develop non-invasive optical imaging methods for early detection and monitoring of eye disease.



Jeffrey L. Goldberg, MD, PhD

*Professor and Chair, Department of Ophthalmology
Stanford University School of Medicine*

Dr. Goldberg's research is directed at neuroprotection and regeneration of retinal ganglion cells and other retinal neurons.



Andrew Huberman, PhD

*Assistant Professor of Neurosciences, Biology and Ophthalmology
University of California, San Diego*

The Huberman lab seeks to develop new strategies to monitor, prevent, and treat retinal ganglion cell loss in glaucoma.



Vivek Srinivasan, PhD

*Assistant Professor of Biomedical Engineering
University of California, Davis*

The Srinivasan laboratory develops novel optical imaging techniques and diagnostics with applications spanning from basic to clinical research.

Learn more at www.glaucoma.org/research

Glaucoma Research Foundation—San Francisco, CA—Tel.415-986-3162

2016 Grants for Innovative Glaucoma Research

Through generous philanthropic support, Glaucoma Research Foundation provides seed funding for creative projects that hold promise and explore new research territory.

All grants are in the amount of \$40,000.



W. Michael Dismuke, PhD

Duke University Eye Center, Durham, NC

Project: *Role of Exosomes in Glaucomatous Lamina Cribrosa Remodeling*

Kevin Park, PhD

University of Miami Miller School of Medicine, Miami, FL

Project: *Axon-astroglial Interaction and its Effects on Optic Nerve Repair*

Cynthia L. Pervan, PhD

Edward Hines, Jr. VA Hospital, Hines, IL

Project: *Mitochondrial-specific Antioxidant XJB-3-151 as a Novel Therapeutic Strategy to Lower Elevated Intraocular Pressure*

Ian Pitha, MD, PhD

Johns Hopkins University, Wilmer Eye Institute, Baltimore, MD

Project: *Neuroprotection through Altered Scleral Biomechanics*

Carla J. Siegfried, MD

Washington University School of Medicine, St. Louis, MO

Project: *Pathological Alterations in the Trabecular Meshwork Following Vitrectomy and Lens Extraction: A Model of Oxidative Stress*

David T. Stark, MD, PhD

Stein Eye Institute, David Geffen School of Medicine at UCLA, Los Angeles, CA

Project: *Endocannabinoids in Retinal Ganglion Cell Regeneration*

David A. Sullivan, MS, PhD, FARVO

Schepens Eye Research Institute, Massachusetts Eye and Ear, Harvard Medical School, Boston, MA

Project: *Estrogen & Glaucoma*

Frank Talke, PhD

University of California, San Diego

Project: *Development of an Optical-based Intraocular Pressure Sensor*

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