THE GLAUCOMA FOUNDATION
OUR VISION-YOUR SIGHT

RESEARCH 1993-2022
THE GLAUCOMA FOUNDATION
is dedicated to improving the lives of people with glaucoma. Since 1984, The Foundation has worked to encourage and support basic and applied research in glaucoma, to gain and disseminate new information about its causes and treatment, and to further identify and develop novel approaches to preserve visual function and reverse blindness. Through education and outreach, we strive to be a valuable resource to help patients, their families, and at-risk individuals to manage their disease and its repercussions.
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The following is a sampling of the research that was supported in part by grants from The Glaucoma Foundation, listed by year of publication.
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2004, BMJ
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Adriana Di Polo
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Pedro Gonzalez
2005, Experimental Gerontology

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Deborah C. Otteson
2005, Investigative Ophthalmology & Visual Science

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Brian A Link
2005, BMC Developmental Biology

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Raymond Chuen-Chung Chang, Kwok-Fai So
2007, Experimental Neurology
THREE EXPERIMENTAL GLAUCOMA MODELS IN RATS: COMPARISON OF THE EFFECTS OF INTRAOCULAR PRESSURE ELEVATION ON RETINAL GANGLION CELL SIZE AND DEATH
Elena Vecino
2006, Experimental Eye Research

THE RELATIONSHIP BETWEEN RETINAL GANGLION CELL FUNCTION AND RETINAL NERVE FIBER THICKNESS IN EARLY GLAUCOMA
Vittorio Porciatti
2006, IOVS

EXPRESSION OF ENDOTHELIAL LEUKOCYTE ADHESION MOLECULE 1 IN THE AQUEOUS OUTFLOW PATHWAY OF PORCINE EYES WITH INDUCED GLAUCOMA
Elena Vicino
2006, Molecular Vision

Γ-SYNUCLEIN HAS A DYNAMIC INTRACELLULAR LOCALIZATION
Andrei Surguchov, Irina Surgucheva
2006, Cell Motility and the Cytoskeleton

ATTERN ELECTRORETINOGRAM IN GLAUCOMA
*HIGHLY CITED*
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2006, Curr Opin Ophthalmol
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Vincent Raymond
2006, Experimental Eye Research

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*HIGHLY CITED*
Robert W Nickells
2006, BMC Neuroscience

DIRECTED GROWTH AND SELECTIVE DIFFERENTIATION OF NEURAL PROGENITOR CELLS USING A SYNERGISTIC COMBINATION OF TOPOGRAPHICAL AND SOLUBLE CUES
Donald Sakaguchi
2006, Iowa State University

NEUROGLOBIN AND CYTOGLOBIN: OXYGEN-BINDING PROTEINS IN RETINAL NEURONS
Donald Sakaguchi
2006, Iowa State University

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Elena Vecino
2007, The International Journal of Developmental Biology
CHARACTERIZATION OF EARLY RETINAL PROGENITOR MICROENVIRONMENT: PRESENCE OF ACTIVITIES SELECTIVE FOR THE DIFFERENTIATION OF RETINAL GANGLION CELLS AND MAINTENANCE OF PROGENITORS  
Iqbal Ahmad  
2007, Experimental Eye Research

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Jeffrey L. Goldberg  Barbara Grimpe  
2007, Journal of Neurochemistry

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Raymond Chang  
2007, International Journal of Molecular Medicine

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Don S. Minckler,  
2007, Journal of Biomedical Optics

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Deborah L. Stenkamp  
2007, Developmental Nuerobiology
CHRONIC OCULAR HYPERTENSION INDUCES DENDRITE PATHOLOGY IN THE LATERAL GENICULATE NUCLEUS OF THE BRAIN

"HIGHLY CITED"
Yeni Yucel
2007, Experimental Eye Research

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Deborah L. Stenkamp
2008, Developmental Neurobiology

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Markus H. Kuehn

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Donald S. Sakaguchi
2008, Iowa State University

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Jeffrey M. Gidday
2008, Journal of Ocular Pharmacology and Therapeutics
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Irina Surgucheva, Andrei Surguchov
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FOCUS ON MOLECULES: THE SYNUCLEINS: WHEN FRIENDS BECOME FOES
Andrei Surguchov
2008, Experimental Eye Research

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Irina Surgucheva, Andrei Surguchov

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Adnan Dibas
2008, Molecular Vision

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Barbara Grimpe
2008, Brain
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Michal Schwartz
2008, Journal of Experimental Medicine

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Valery I Shestopalov
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Donald Sakaguchi
2009, Exp Eye Res

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Jeffrey L. Goldberg
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Michael A. Walter
2009, Human Molecular Genetics
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Irina Surgucheva, Andrei Surguchov
2010, Journal of Biophysical Chemistry

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Irina Surgucheva, Andrei Surguchov
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Irina Surgucheva, Andrei Surguchov
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PROTEOME ALTERATIONS IN PRIMARY OPEN ANGLE GLAUCOMA AQUEOUS HUMOR
Alberto Izzotti
2010, Journal of Proteome Research

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Kwok-Fai So
2010, Cellular and Molecular Immunology

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Keith R.G. Martin
2010, European Ophthalmic Review
AMYLOIDOSIS AND LONGEVITY: A LESSON FROM PLANTS
Andrei Surguchov
2010, MDPI Biology

ANTIGEN ARRAY PROFILING OF SERUM AUTOANTIBODIES
IN PSEUDOEXFOLIATION GLAUCOMA
Derek Murphy
2010, IOVS

A CRITICAL ANALYSIS OF ATOH7 (MATH5) MRNA SPlicing
IN THE DEVELOPING MOUSE RETINA
Tom Glaser
2010, PLOS ONE

AMACRINE CELL GENE EXPRESSION AND SURVIVAL SIGNALING:
DIFFERENCES FROM NEIGHBORING RETINAL GANGLION CELLS
Jeffrey L. Goldberg
2010, Investigative Ophthalmology & Visual Science

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DIFFERENTIATION OF ADULT NEURAL PROGENITOR CELLS
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AFTER AXONAL INJURY
Tatjana C. Jakobs
2010, The Journal of Neuroscience
PROTEIN MACROARRAY PROFILING OF SERUM AUTOANTIBODIES IN PSEUDOEXFOLIATION GLAUCOMA
Deborah Wallace; Derek Murphy
2010, Investigative Ophthalmology & Visual Science

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Christopher Kai-shun Leung
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Barbara Grimpe
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APPLICATIONS OF CANNABINOIDS IN GLAUCOMA
Elena Vecino
2010 Sociedad Española de Oftalmología

LONG-TERM IN VIVO IMAGING AND MEASUREMENT OF DENDRITIC SHRINKAGE OF RETINAL GANGLION CELLS
Christopher Kai Shun Leung
2011, IOVS

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Deepak Shukla
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Kwok-Fai So
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Tom Glaser
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