

## Literature Library

Title	Lead Author	Publication	Institution(s)	Publication Type
SOCS3 in retinal neurons and glial cells suppresses VEGF signaling to prevent pathological neovascular growth	Smith, Lois E.H.	Science Signaling * (395), ra94. doi: 10.1126/scisignal.aaa8695 2015	Department of Ophthalmology, Harvard Medical School, Boston Children's Hospital, Boston, MA, USA	Peer Reviewed literature
Pigment epithelium-derived factor inhibits retinal microvascular dysfunction induced by 12/15-lipoxygenase-derived eicosanoids	Al-Shabraway, M	Biochimica et Biophysica Acta 1851(2015)290-298	Georgia Regents University, Augusta, GA, USA, Mansoura University, Egypt, Qatar University, Doha, Qatar.	Peer Reviewed
A Chimeric Cfh Transgene Leads to Increased Retinal Oxidative Stress, Inflammation, and Accumulation of Activated Subretinal Microglia in Mice	Ufret-Vincenty, RL	Anvest Ophthalmol Vis Sci. 2015;56:3427-3440. DOI:10.1167/iavs.14-16089	Department of Ophthalmology, UT Southwestern Medical Center, Dallas, Texas, United States	Peer reviewed
Chronic Ocular Hypertension Induced by Circumlimbal Suture in Rats	He, Zheng	Invest Ophthalmol Vis Sci. 2015;56:2811-2820. DOI:10.1167/iavs.14-16009	Department of Optometry and Vision Sciences, University of Melbourne, Parkville, Victoria, Australia	Peer reviewed
Retinal Ganglion Cell Loss and Mild Vasculopathy in Methylene Tetrahydrofolate Reductase (Mthfr)-Deficient Mice: A Model of Mild Hyperhomocysteinemia	Smith, S.B.	Invest Ophthalmol Vis Sci. 2015;56:2684-2695. DOI:10.1167/iavs.14-16190	Department of Cellular Biology and Anatomy, Department of Ophthalmology, and The James and Jean Culver Vision Discovery Institute at Georgia Regents University, Augusta, Georgia, United States	Peer reviewed
Progressive Degeneration of Retinal and Superior Collicular Functions in Mice With Sustained Ocular Hypertension	Liu, Xiaorong	Invest Ophthalmol Vis Sci. 2015;56:1971-1984. DOI:10.1167/iavs.14-15691	Department of Ophthalmology, Feinberg School of Medicine, Northwestern University, Chicago, Illinois, & Department of Neurobiology, Weinberg College of Arts and Sciences, Northwestern University, Evanston, Illinois, United States	Peer reviewed
Assessment of Retinal Function and Morphology in Aging Ccl2 Knockout Mice	Fletcher, EL	Invest Ophthalmol Vis Sci. 2015;56:1238-1252. DOI:10.1167/iavs.14-15334	Department of Anatomy and Neuroscience, University of Melbourne, Melbourne, Australia	Peer reviewed

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Title	Lead Author	Publication	Institution(s)	Publication Type
Characterization of a Spontaneous Retinal Neovascular Mouse Model	Connor, K	PLoS ONE 9(9): e106507. doi:10.1371/journal.pone.0106507	Angiogenesis Laboratory, Department of Ophthalmology, Massachusetts Eye & Ear Infirmary, Boston, Massachusetts, And Department of Ophthalmology, Harvard Medical School, Boston, Massachusetts United States of America,	Peer reviewed
Spontaneous Development of Autoimmune Uveitis Is CCR2 Dependent	McNamara NA	Am J Pathol 2014, 184: 1695-1705; <a href="http://dx.doi.org/10.1016/j.ajpath.2014.02.024">http://dx.doi.org/10.1016/j.ajpath.2014.02.024</a>	Francis I. Proctor Foundation, the Diabetes Center, and the Departments of Ophthalmology and Anatomy, University of California San Francisco, & the School of Optometry and the Vision Science Program, University of California Berkeley	Peer reviewed
Alterations of Retinal Vasculature in Cystathionine-β-Synthase Heterozygous Mice	Smith, S	American Journal of Pathology, Vol.184, No.9, September 2014	Georgia Regents University, Augusta, GA, USA, Idaho State University, Pocatello, Idaho, USA	Peer Reviewed
Dynamic in-vivo, real-time detection of retinal oxidative status in a model of elevated intraocular pressure using a novel, reversibly responsive, profluorescent nitroxide probe.	Barnett, N	Experimental Eye Research 129(2014)48-56	University of Queensland, Brisbane, Queensland, Australia.	Peer Reviewed
Endothelial TWIST1 Promotes Pathological Ocular Angiogenesis	Chen, J	Invest Ophthalmol Vis Sci. 2014;55:8267-8277. DOI:10.1167/iovs.14-15623	Harvard Medical School, Boston, Massachusetts, USA, Sichuan University, Chengdu, Sichuan, China.	Peer Reviewed
Generation and Characterization of a Murine Model of Bietti Crystalline Dystrophy	Kelly, E	Invest Ophthalmol Vis Sci. 2014;55:5572-5581 DOI:10.1167/iovs.13-12717	University of Washington, Seattle, Washington, USA	Peer Reviewed
Targeting Muller Cell-Derived VEGF 164 to Reduce Intravitreal Neovascularization in the Rat Model of Retinopathy of Prematurity	Hartnett EM	Investigative Ophthalmology & Visual Science February 2014, Vol.55, 824-831. doi:10.1167/iovs.13-13755	Department of Ophthalmology, The John Moran Eye Center, University of Utah, Salt Lake City, Utah, USA	Peer reviewed literature

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Title	Lead Author	Publication	Institution(s)	Publication Type
Quantitative Saptial and Temporal Analysis of Fluorescein Angiography Dynamics in the Eye	Bui B	PLoS ONE 9(11): e111330. doi:10.1371/journal.pone.0111330. 2014	Department of Optometry and Vision Sciences, The University of Melbourne, Parkville, Victoria, Australia	Peer Reviewed
Regenerative Therapeutic Potential of Adipose Stromal Cells in Early Stage Diabetic Retinopathy	Rajashekhar G	PLoS ONE 8(5): e63904. doi:10.1371/journal.pone.0063904. 2014	Indiana Center for Vascular Biology & Medicine, Indiana University School of Medicine, Indianapolis, USA	Peer reviewed literature
Retinal Ischemia/Reperfusion Injury Is mediated by Toll-like Receptor 4 Activation of NLRP3 Inflammasomes	Li, X	Invest Ophthalmol Vis Sci. 2014;55:5466-5475. DOI:10.1167/iops.14-14380	Peking University People's Hospital, Beijing, China, University of michigan Kellogg Eye Center, Ann Arbor, Michigan, USA	Peer Reviewed
Selective Impairment of a Subset of Ran-GTP-binding Domains of Ran-binding Protein 2 (Ranbp2) Suffices to Recapitulate the Degeneration of the Retinal Pigment Epithelium (RPE) Triggered by Ranbp2 Ablation	Ferreira, P	Journal of Biological Chemistry October 24, 2014 Volume 289 Number 43 29767-29789	Duke University Medical Center, Durham, North Carolina, USA, Cleveland Clinic Foundation, Cleveland, Ohio, USA	Peer Reviewed
Sustained inhibition of neovascularization in vldlr <sup>-/-</sup> mice following intravitreal injection of cerium oxide nanoparticles and the role of the ASK1-P38/JNK-NF-κB pathway	McGinnis, J	Biomaterials 35(2014)249-258	University of Oklahoma Health Sciences Center, Oklahoma City, OK, USA, University of Central Florida, Orlando, FL, USA.	Peer Reviewed
γδ T Cells as a Major Source of IL-17 Production during Age-Dependent RPE Degeneration	Cai, J	Invest Ophthalmol Vis Sci. 2014;55:6580-6589. DOI: 10.1167/iops.14-15166	University of Texas Medical Branch, Galveston, Texas, USA	Peer Reviewed
Spontaneous CNV in a Novel Mutant Mouse Is Associated With Early VEGF-A-Driven Angiogenesis and Late-Stage Focal Edema, Neural Cell Loss, and Dysfunction	Shima DT	Invest Ophthalmol Vis Sci. 2014;55:3709-3719.	Department of Ocular Biology and Therapeutics, University College London, Institute of Ophthalmology, London, United Kingdom	Peer reviewed literature

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Title	Lead Author	Publication	Institution(s)	Publication Type
Long-Term Retinal Cone Survival and Delayed Alteration of the Cone Mosaic in a Transgenic Mouse Model of Star-gardt-Like Dystrophy (STGD3)	Sauvé Y	Invest Ophthalmol Vis Sci. 2014;55:424-439.	Department of Ophthalmology and Visual Sciences, University of Alberta, Edmonton, Alberta, Canada	Peer reviewed literature
Mitochondrial Oxidative Stress in the Retinal Pigment Epithelium Leads to Localized Retinal Degeneration	Lewin AS	Invest Ophthalmol Vis Sci. 2014;55:4613-4627.	Department of Molecular Genetics and Microbiology, College of Medicine, University of Florida, Gainesville, Florida, USA	Peer reviewed literature
Quantitative Analyses of Retinal Vascular Area and Density After Different Methods to Reduce VEGF in a Rat Model of Retinopathy of Prematurity	Hartnett EM	Invest Ophthalmol Vis Sci. 2014;55:737-744.	Department of Ophthalmology, John Moran Eye Center, University of Utah, Salt Lake City, Utah, USA	Peer reviewed literature
Targeting Muller Cell-Derived VEGF <sub>164</sub> to Reduce Intravitreal Neovascularization in the Rat Model of Retinopathy of Prematurity	Hartnett EM	Invest Ophthalmol Vis Sci. 2014; 55:824-831	Department of Ophthalmology, The John Moran Eye Center, University of Utah, Salt Lake City, Utah, USA	Peer reviewed literature
The Oral Iron Chelator Deferiprone Protects Against Systemic Iron Overload-Induced Retinal Degeneration in Hepcidin Knockout Mice	Dunaief JL	Invest Ophthalmol Vis Sci. 2014;55:4525-4532.	F.M. Kirby Center for Molecular Ophthalmology, Scheie Eye Institute, University of Pennsylvania, Philadelphia, Pennsylvania, USA	Peer reviewed literature
Effects of Anti-VEGF Treatment on the Recovery of the Developing Retina Following Oxygen Induced Retinopathy	Drenser KA	Invest Ophthalmol Vis Sci. 2014; 55:1884-1892.	Pediatric Retinal Research Laboratory, Eye Research Institute, Oakland University, Rochester, Michigan, USA	Peer reviewed literature
Up-Regulation of VEGF by Retinoic Acid During Hyperoxia Prevents Retinal Neovascularization and Retinopathy	Yan Q	Invest Ophthalmol Vis Sci. 2014;55:4276-4286.	Henan Eye Institute and Henan Eye Hospital, Zhengzhou, Henan, China; Eye Research Institute, Pediatric Retinal Research Lab, Oakland University, Rochester, Michigan, USA	Peer reviewed literature

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Allosteric Inhibition of the IRE1 $\alpha$ RNase Preserves Cell Viability and Function during Endoplasmic Reticulum Stress	Papa FR	Cell 158, 534-548, July 31, 2014, Elsevier Inc. <a href="http://dx.doi.org/10.106/j.cell.2014.07.002">http://dx.doi.org/10.106/j.cell.2014.07.002</a>	Department of medicine, Diabetes Center, Lung Biology Center, California Institute for Quantitative Biosciences University of California, San Francisco	Peer reviewed literature
Angiographic Features of Transgenic Mice With Increased Expression of Human Serine Protease HTRA1 in Retinal Pigment Epithelium	Fu Y	Invest Ophthalmol Vis Sci 2014;55:3842-3850.	Departments of Ophthalmology and Visual Sciences, and Neurobiology and Anatomy, University of Utah Health Sciences Center, Salt Lake City, Utah, USA	Peer reviewed literature
Effects of Simvastatin on Retinal Structure and Function of a High-Fat Atherogenic Mouse Model of Thickened Bruch's Membrane	Luu CD	Invest Ophthalmol Vis Sci. 2014;55:460-468.	Centre for Eye Research Australia, University of Melbourne, Royal Victorian Eye and Ear Hospital, Melbourne, Australia	Peer reviewed literature
Lack of Paraoxonase 1 Alters Phospholipid Composition, but Not Morphology and Function of the Mouse Retina	Grimm C	Invest Ophthalmol Vis Sci. 2014;55:4714-4727.	Lab for Retinal Cell Biology, Department of Ophthalmology; Zurich Center for Integrative Human Physiology (ZIHP), University of Zurich; Zurich Center of Neuroscience (ZNZ), Zurich, Switzerland	Peer reviewed literature
Correction of the Crb1rd8 Allele and Retinal Phenotype in C57BL/6N Mice Via TALEN-Medicated Homology-Directed Repair	Wiles MV	Invest Ophthalmol Vis Sci. 2014;55:387-395.	The Jackson Laboratory, Bar Harbor, Maine, USA	Peer reviewed literature
Deletion of Aryl Hydrocarbon Receptor AHR in Mice Leads to Subretinal Accumulation of Microglia and RPE Atrophy	Swaroop A	Invest Ophthalmol Vis Sci. 2014;55:6031-6040. DOI: 10.1167/iovs.14-15091	Neurobiology-Neurodegeneration & Repair Laboratory, National Eye Institute, National Institutes of Health, Bethesda, Maryland, USA	Peer reviewed literature
Deletion of Hemojuvelin, an Iron-Regulatory Protein, in Mice Results in Abnormal Angiogenesis and Vasculogenesis in Retina Along With Reactive Gliosis	Ganapathy V	Invest Ophthalmol Vis Sci. 2014;55:3616-3625.	James & Jean Culver Vision Discovery Institute; Department of Biochemistry and Molecular Biology, Medical College of Georgia, Georgia Regents University, Augusta, Georgia, USA	Peer reviewed literature

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Direct Effect of Sodium Iodate on Neurosensory Retina	Saint-Geniez M	Invest Ophthalmol Vis Sci. 2014;55:1941-1952.	Schepens Eye Research Institute, Massachusetts Eye and Ear Infirmary, Boston, Massachusetts; Department of Ophthalmology, Harvard Medical School, Boston, Massachusetts, USA	Peer reviewed literature
Effects of Anti-VEGF Treatment on the Recovery of the Developing Retina Following Oxygen Induced Retinopathy	Drenser KA	Investigative Ophthalmology & Visual Science March 2014, Vol.55, 1884-1892. doi:10.1167/iops.13-13397	Kimberly A. Drenser, Pediatric Retinal Research Laboratory, Eye Research Institute, Oakland University, Rochester, MI USA	Peer Reviewed literature
Corneal wound healing is compromised by immunoproteasome deficiency	Ferrington DA	PLoS One. 2013;8(1):e54347. DOI:10.1371/journal.pone.0054347. Epub 2013 Jan24.	Department of Ophthalmology and Visual Neurosciences, University of Minnesota, Minneapolis, Minnesota	Peer reviewed literature
Corneal Wound Healing Is Compromised by Immunoproteasome Deficiency	Yuan C	PLoS ONE 8(1): e54347. doi:10.1371/journal.pone.0054347. 2013	Department of Ophthalmology and Visual Neurosciences, University of Minnesota, Minneapolis, Minnesota, USA	Peer reviewed literature
Comparative Analysis of Induced vs. Spontaneous Models of Autoimmune Uveitis Targeting the Interphotoreceptor Retinoid Binding Protein	Caspi RR	PLoS ONE 8(8): e72161. doi:10.1371/journal.pone.0072161. 2013	Immunoregulation Section, Laboratory of Immunology, National Eye Institute, National Institutes of Health, Bethesda, Maryland, USA	Peer reviewed literature
A Murine Model for Retinopathy of Prematurity Identifies Endothelial Cell Proliferation as a Potential Mechanism for Plus Disease	Blobel CP	Invest Ophthalmol Vis Sci. 2013;54:5294-5302.	Arthritis and Tissue Degeneration Program Hospital for Special Surgery, New York, New York; Departments of Medicine and Physiology, Biophysics and Systems Biology, Weill Medical College of Cornell University, New York, New York, USA	Peer reviewed literature
Excitotoxicity Upregulates SARM1 Protein Expression and Promotes Wallerian-Like Degeneration of Retinal Ganglion Cells and Their Axons	Massoll C	Invest Ophthalmol Vis Sci. 2013 Apr 17;54(4):2771-80.DOI: 10.1167/iops.12-10973.	Eye Research Institute of Oakland University, Rochester, Michigan.	Peer reviewed literature

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<b>Title</b>	<b>Lead Author</b>	<b>Publication</b>	<b>Institution(s)</b>	<b>Publication Type</b>
Alterations of Retinal Vasculature in Cystathionine-Beta-Synthase Mutant Mice, a Model of Hyperhomocysteinemia	Tawfik A	Invest. Ophthalmol. Vis. Sci. February 1, 2013 vol. 54 no. 2 939-949	Medical College of Georgia, Georgia Regents University, Augusta, Georgia	Peer reviewed literature
Murine Model for Retinopathy of Prematurity Identifies Endothelial Cell Proliferation as a potential Mechanism for Plus Disease	Guaiquil VH	Invest Ophthalmol Vis Sci. 2013;54:5294-5302.	Arthritis and Tissue Degeneration Program. Hospital for Special Surgery, New York, New York.	Peer reviewed literature
Targeting Photoreceptors via Intravitreal Delivery Using Novel, Capsid-Mutated AAV Vector	Kay CN, Ryals RC	PLoS One 2013; 8(9): 10.1371/annotation/99ee1789-a658-4fb0-8593-40a40e-9f344a.	Department of Ophthalmology, University of Florida College of Medicine, Gainesville, Florida, USA	Peer Reviewed literature
Use of Optical Coherence Tomography and Electroretinography to Evaluate Retinal Pathology in a Mouse Model of Autoimmune Uveitis	Chen J	PLoS ONE 8(5): e63904. doi:10.1371/journal.pone.0063904. 2013	Laboratory of Immunology, National Eye Institute, National Institutes of Health, Bethesda, Maryland, USA	Peer reviewed literature
VEGF Receptor Blockade Markedly Reduces Retinal Microglia/acrophage Infiltration into Laser-Induced CNV	Huang H	PLoS ONE 1 August 2013, Volume 8, Issue 8, e71808	Wilmer Eye Institute, Johns Hopkins University School of Medicine, Baltimore, Maryland, USA	Peer reviewed literature
The Effects of Age and Cx3cr1 Deficiency on Retinal Microglia in the Ins2Akita Diabetic Mouse	Kezic JM	Invest. Ophthalmol. Vis. Sci. January 2013 54:854-863.	Monash University, Melbourne, Australia; University of Melbourne, Melbourne, Australia	Peer reviewed literature
Survey of Common Eye Diseases in Laboratory Mouse Strains	Chang B	Invest Ophthalmol Vis Sci. 2013;54:4974-4981	The Jackson Laboratory, Bar Harbor, Maine, USA	Peer reviewed literature

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Targeting Photoreceptors via Intravitreal Delivery Using Novel, Capsid-Mutated AAV Vector	Kay CN	PLoS ONE 8(9):10.1371/annotation/99ee1789-a658-4fb0-8593-40a40e-9f344a. 2013	Department of Molecular Genetics and Microbiology, University of Florida College of Medicine, Gainesville, Florida, USA	Peer reviewed literature
Retinal Angiogenesis in the Ins2Akita mouse model of diabetic retinopathy	Han Z	Invest. Ophthalmol. Vis. Sci. January 17, 2013 vol. 54. no. 1 574-584.	University of Oklahoma Health Sciences Center, Oklahoma City, OK USA	Peer reviewed literature
Silibinin inhibits VEGF secretion and age-related macular degeneration in a hypoxia-dependent manner through the PI-3 kinase/Akt/mTOR pathway	Lin CH	British Journal of Pharmacology DOI:10.1111/1476-5381.2012.02227.x. 2013	School of pharmacy, College of Pharmacy, Taipei Medial University, Taipei, Taiwan	Peer reviewed literature
Evaluation of a Topical Cis-urocanic acid in a Murine CAETM Model of Dry Eye Disease	Whitlock A	ARVO Poster 2013	Ora, Inc., Andover, Massachusetts, USA; Laurantis Pharma, Turku, Finland	Poster abstract
An Evaluation of the Effects of the Repeat Conjunctival Allergen Challenge (CAC) Model in Various Strains of Albino Mice	Violette K	ARVO Poster 2013	Ora, Inc., Andover, Massachusetts, USA; Laurantis Pharma, Turku, Finland	Poster abstract
The Use of Soluble Muc-16 (CA-125) as a Clinically Relevant Biomarker and Endpoint in a Mouse Model of Dry Eye	Brackett J	ARVO Poster 2013	Ora, Inc., Andover, Massachusetts, USA	Poster abstract
VEGF and TNF Interact to Induce Retinal Edema in an Atypical PKC Dependent Manner	Lin C	ARVO Poster 2013	Ophthalmology and Visual Sciences, Kellogg Eye Center, University of Michigan, Ann Arbor, Michigan, USA	Poster abstract



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Comparative analysis supporting DNA nanoparticles as an attractive complement to AAVs for ocular gene delivery	Naash, M I	PLoS One. 2012; 7(12): e52189. Published online 2012 Dec 18. doi: 10.1371/journal.pone.0052189	Department of Cell Biology, University of Oklahoma Health Sciences Center, Oklahoma City, Oklahoma, USA	Peer reviewed literature
Relaxin 2 is Functional at the Ocular Surface and Promotes Corneal Wound Healing	Hampel U	Invest. Ophthalmol. Vis. Sci. 2012 Nov 21;53(12):7780-90. doi: 10.1167/iovs.12-10714	Department of Anatomy II, Friedrich Alexander University of Erlangen-Nurnber, Erlangen, Germany, Ulrike.	Peer reviewed literature
EphA2 Targeted Doxorubicin Stealth Liposomes as a Therapy System for Choroidal Neovascularization in Rats	Wang JL	Invest Ophthalmol Vis Sci. 2012 Oct 23;53(11):7348-57.	Peking University Eye Center, Peking University Third Hospital, Beijing, People's Republic of China.	Peer reviewed literature
Alzheimer's Disease in the Retina: Imaging Retinal Aβ Plaques for Early Diagnosis and Therapy Assessment	Koronyo Y	Neurodegener Dis. 2012;10(1-4):285-93. Epub 2012 Feb 10.	Maxine Dunitz Neurosurgical Research Institute, Los Angeles, CA, USA	Peer reviewed literature
Exploration of the visual system, Part 2: In vivo analysis methods: virtual-reality optomotor system, fundus examination, and fluorescein angiography	Marcelli F	Curr.Protoc.Mouse Biol., 2, 207-218, 2012	IRO-Institute de Recherche en Ophtalmologie, Switzerland	Peer reviewed literature
Increased cone sensitivity to ABCA4 deficiency provides insight into macular vision loss in Stargardt's dystrophy	Conley SM	Biochim Biophys Acta. 2012 Jul;1822(7):1169-79.	University of Oklahoma Health Sciences Center, Oklahoma City, OK, USA.	Peer reviewed literature
Generation of retinal pigment epithelial cells from small molecules and OCT4-reprogrammed human induced pluripotent stem cells	Krohne TU	Stem Cells Transl Med. 2012 Feb;1(2):96-109. Epub 2012 Feb 6.	The Scripps Research Institute, La Jolla, CA, USA	Peer reviewed literature

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Retinoid Content, Visual Responses, and Ocular Morphology Are Comprised in the Retinas of Mice Lacking the Retinol-Binding Protein Receptor, STRA6	Ruiz A	Invest Ophthalmol Vis Sci. 2012 May 17;53(6):3027-39.	University of California at Los Angeles, CA; Universite de Strasbourg, Illkirch, France	Peer reviewed literature
DNA nanoparticle-medicated ABCA4 delivery rescues Stargardt dystrophy in mice.	Han Z	J Clin Invest. 2012 Sep 4;122(9):3221-6.	University of Oklahoma Health Sciences Center, Oklahoma City, OK, USA.	Peer reviewed literature
Enhanced gene delivery to the neonatal retina through systemic administration of tyrosine-mutated AAV9	Dalkara D	Gene Ther.2012 Feb;19(2):176-81. doi: 10.1038/gt. 2011.163. Epub 2011 Oct 20.	Th University of California Berkeley, Berkeley, CA, USA	Peer reviewed literature
Preservation of cone photoreceptors after a rapid yet transient degeneration and remodeling in cone-only Nrl <sup>-/-</sup> mouse retina	Roger JE	J. Neurosci. 2012 Jan 11;32(2):528-41.	National Eye Institute, NIH, Bethesda, MD, USA	Peer reviewed literature
Direct gene transfer with compacted DNA nanoparticles in retinal pigment epithelial cells: expression, repeat delivery and lack of toxicity	Han Z	Nanomedicine (Lond). 2012 Apr;7(4):521-39. Epub 2012 Feb 23.	University of Oklahoma Health Sciences Center, Oklahoma City, OK, USA	Peer reviewed literature
Ccl2/Cx3cr1 knockout mice have inner retinal dysfunction but are not an accelerated model of AMD	Vessey KA	Invest Ophthalmol Vis Sci. 2012 Nov 27;53(12):7833-46.	Department of Anatomy and Neuroscience, The University of Melbourne, Melbourne, Australia.	Peer reviewed literature
Pathological consequences of long-term mitochondrial oxidative stress in the mouse retinal pigment epithelium	Seo SJ	Exp Eye Res. 2012 Aug; 101:60-71.	University of Florida, Gainesville, FL, USA	Peer reviewed literature

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The 5HT <sub>1a</sub> receptor agonist 8-OH DPAT induces protection from lipofuscin accumulation and oxidative stress in the retinal pigment epithelium	Thampi P	PLoS ONE 7(4): e34468. doi:10.1371/journal.pone.0034468. 2012	Department of Anatomy and Cell Biology, University of Florida, Gainesville, Florida, USA	Peer reviewed literature
The Rd8 Mutation of the Crb1 Gene Is Present in Vendor Lines of C57BL/6N Mice and Embryonic Stem Cells, and Confounds Ocular Induced Mutant Phenotypes.	Mattapallil MJ	Invest Ophthalmol Vis Sci. 2012 May 17;53(6):2921-7.	National Eye Institute, NIH, Bethesda, MD; Washington University School of Medicine, St.Louis, MO., USA	Peer reviewed literature
CXCR3 antagonism of SDF-1(5-67) restores trabecular function and prevents retinal neurodegeneration in a rat model of ocular hypertension	Denoyer A	PLoS One. 2012;7(6):e37873. DOI:10.1371/journal.pone.0037873. Epub 2012 Jun 4.	UPMC University Paris	Peer reviewed literature
Cochlin, Intraocular Pressure Regulation and Mechanosensing	Goel M	PLoS ONE 7(4): e34309. doi:10.1371/journal.pone.0034309. 2012	Bascom Palmer Eye Institute, University of Miami, Miami, Florida, USA	Peer reviewed literature
Change In The Distribution And Phenotype Of Subretinal Macrophages With Aging In C57BL/6 Mice	Aredo B	ARVO Poster 2012	Ophthalmology, University of Texas, Southwestern Medical Center, Dallas, Texas, USA	Poster abstract
ShH10, A Novel Muller Glia Cell-specific AAV Vector, Expressing GDNF Promotes Retinal Ganglion Cell Survival Following Neuronal Injury in Thy1-YFP Mice	Pan C	ARVO Poster 2012	Weill Medical College of Cornell University, New York, New York; Avalanche Biotechnologies, Inc., Redwood City, CA; University of California, Berkeley, Berkeley, California, USA	Poster abstract
Characterization of visual impairment in a Wfs1 mouse model of Wolfram syndrome	Hamel CP	ARVO Poster 2012	INSERM, Montpellier Cedex, France; Yamaguchi University Graduate School of Medicine, UBE, Japan	Poster abstract

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Effects of LMP7 Subunit Knockout Immunoproteasome on the Laser-Induced Chorioretinal Neovascular Model in Mice	Kohl JC	ARVO Poster 2012	University of Minnesota, Minneapolis, Minnesota, USA	Poster abstract
In Vivo Imaging of Experimental Auto-immune Uveitis disease progression in Cx3cr1-GFP and CD11c-YFP mice	Chen X	ARVO Poster 2012	Monash University, Clayton, Australia; Deakin University Geelong, Australia; University of Western Australia, Perth, Australia.	Poster abstract
Identification of amyloid plaques in retinas from Alzheimer's patients and noninvasive in vivo optical imaging of retinal plaques in a mouse model	Koronyo-Hamaoui M	Neuroimage. 2011 Jan;54 Suppl 1:S204-17. Epub 2010 Jun 13.	Maxine Dunitz Neurosurgical Research Institute, Cedars-Sinai Med Center, Los Angeles, CA, USA	Peer reviewed literature
Ligation of the Pterygopalatine and External Carotid Arteries Induces Ischemic Damage in the Murine Retina	Ogishima H	Invest Ophthalmol Vis Sci. 2011 Dec 28;52(13):9710-20.	Gifu Pharmaceutical University, Gifu, Japan	Peer reviewed literature
Nanoparticle-mediated gene transfer specific to retinal pigment epithelial cells	Koirala A	Biomaterials. 2011 Dec;32(35):9483-93. Epub 2011 Sep 1.	University of Oklahoma Health Sciences Center, Oklahoma City, OK, USA	Peer reviewed literature
New Challenging Approach In The Treatment of Diabetic Retinopathy: Intra-vitreous Co-transplant of Human Amnion Epithelial and Mesenchymal Stem Cells as Neuroprotective and Anti-apoptotic Mediators	Scalinci S	ARVO Poster 2011	University of Bologna, Bologna, Italy	Poster abstract
Transgenic Mice Expressing Variants of Complement Factor H Develop AMD-like Retinal Findings	Ufret-Vincenty RL	Invest Ophthalmol Vis Sci. 2010 Nov;51(11):5878-87.	UT Southwestern Medical Center, Dallas, Texas, USA	Peer reviewed literature