RESEARCH TO PREVENT BLINDNESS

2005 BIBLIOGRAPHY

LISTED BY SCHOOL

Research Articles Crediting RPB for Support in 2005

47 Unrestricted Grants
8 Challenge Grants
175 Individual Awardees
# RESEARCH ARTICLES CREDITING RPB FOR SUPPORT IN 2005:

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Note: * University of Kentucky and University of North Carolina, Chapel Hill have articles in Press for 2006. ** Louisiana State University is rebuilding its research program after the devastation of Hurricane Katrina.
### RESEARCH ARTICLES CREDITING RPB FOR SUPPORT IN 2005
### LISTING BY SCHOOL

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### SPECIFIC RPB GRANTS ACKNOWLEDGED*

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*Includes research articles which credit more than one RPB grant recipient or category.


**OTHER PROFESSIONAL PUBLICATIONS**

**AMERICAN ORTHOPTIC JOURNAL**


**JOURNAL OF LIPID RESEARCH**


**JOURNAL OF NEUROIMMUNOLOGY**


**JOURNAL OF NEURO-OPHTHALMOLOGY**


**MOLECULAR NEUROBIOLOGY**

Yan RT, Ma W, Liang L, Wang SZ: **bHLH Genes and Retinal Cell Fate Specialization.** Molecular Neurobiol. 2005;32:157-171 (Univ. of Alabama - Unres. Grant and Dolly Green Scholar) Keyword(s): bHLH Genes, Neurod, Photoreceptor Cells, RPE Transdifferentiation, INL Cell Generation
OPTOMETRY AND VISION SCIENCE


PROGRESS IN RETINAL AND EYE RESEARCH

Guidry C: The Role of Muller Cells in Fibrocontractive Retinal Disorders. Prog Ret and Eye Res 2005;24:75-86 (Univ. of Alabama – Unres. Grant) Keyword(s): Muller Cells, Fibrocontractive Retinal Disorders, Proliferative Diabetic Retinopathy (PDR)

SURVEY OF OPHTHALMOLOGY


VISION RESEARCH


FOREIGN PROFESSIONAL PUBLICATIONS

BRITISH JOURNAL OF OPHTHALMOLOGY


EXPERIMENTAL EYE RESEARCH

UNIVERSITY OF ARIZONA

INVESTIGATIVE OPHTHALMOLOGY & VISUAL SCIENCE


OTHER PROFESSIONAL PUBLICATIONS

AMERICAN JOURNAL OF PHYSIOLOGY


JOURNAL OF THE AMERICAN ASSOCIATION OF PEDIATRIC OPHTHALMOLOGY & STRABISMUS


Clifford CE, Haynes BM, Dobson V: Are Norms Based on the Original Teller Acuity Cards Appropriate for use with the New Teller Acuity Cards II? J AAPOS 2005;9:475-479 (Univ. of Arizona – Unres. Grant) Keyword(s): Pediatric

JOURNAL OF BIOLOGICAL CHEMISTRY


JOURNAL OF REFRACTIVE SURGERY

**MOLECULAR VISION**


**OPTOMETRY & VISION SCIENCE**


UNIVERSITY OF ARKANSAS

ARCHIVES OF OPHTHALMOLOGY


OTHER PROFESSIONAL PUBLICATIONS

JOURNAL OF OPHTHALMIC MEDICAL TECHNOLOGY


FOREIGN PROFESSIONAL PUBLICATIONS

ARCHIVES OF VIROLOGY


BRITISH JOURNAL OF OPHTHALMOLOGY

BAYLOR COLLEGE OF MEDICINE

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Kim HS, Luo L, Pflugfelder SC, Li DQ: **Doxycycline Inhibits TGF-beta 1 Induced MMP-9 via Smad and MAPK Pathways in Human Corneal Epithelial Cells.** Invest Ophthal Vis Sci 2005;46:840-848 (Baylor College of Medicine – Unres. Grant) Keyword(s): Cornea

Yang JH, Le WD, Basinger SF, Wu SM, Yang CY: **Mechanisms of Apoptosis in Human Retinal Pigment Epithelium Induced by TNF-alpha in Conditions of Heavy Metal Ion Deficiency.** Invest Ophthal Vis Sci 2005;46:1039-1046 (Baylor College of Medicine – Unres. Grant) Keyword(s): Retina and Retinal Diseases

OPHTHALMOLOGY


Lakhanpal RR, Sun RL, Albini TA, Holz ER: **Anatomic Success Rate After 3-Port Lens-Sparing Vitrectomy in Stage 4A or 4B Retinopathy of Prematurity.** Ophthalmology 2005;112:1569-1573 (Baylor College of Medicine – Unres. Grant) Keyword(s): Pediatric, Retina and Retinal Diseases

Herz NL, Yen MT: **Modulation of Sensory Photophobia in Essential Blepharospasm with Chromatic Lenses.** Ophthalmology 2005;112:2208-2211 (Baylor College of Medicine – Unres. Grant) Keyword(s): Other - Blepharospasm

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AMERICAN JOURNAL OF PATHOLOGY


CORNEA


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Stewart P, Chen Z, Farley W, Olmos L, Pflugfelder SC: Effect of Experimental Dry Eye on Tear Sodium Concentration in the Mouse. Eye Contact Lens 2005;31:175-178 (Baylor College of Medicine – Unres. Grant) Keyword(s): Dry Eye

Luo L, Li DQ, Corrales RM, Pflugfelder SC: Hyperosmolar Saline is a Proinflammatory Stress on the Mouse Ocular surface. Eye Contact Lens 2005;31:186-193 (Baylor College of Medicine – Unres. Grant) Keyword(s): Dry Eye

JOURNAL OF CATARACT AND REFRACTIVE SURGERY


JOURNAL OF COMPARATIVE NEUROLOGY


THE OCULAR SURFACE


OPHTHALMIC PLASTIC AND RECONSTRUCTIVE SURGERY


STEM CELLS

de Paiva CS, Chen Z, Corrales RM, Pflugfelder SC, Li DQ: ABCG2 Transporter Identifies a Population of Clonogenic Human Limbal Epithelial Cells. Stem Cells 2005;23:63-73 (Baylor College of Medicine – Unres. Grant) Keyword(s): Cornea
FOREIGNPROFESSIONALPUBLICATIONS

EXPERIMENTAL EYE RESEARCH


VISION RESEARCH


SUNY, BUFFALO

OTHER PROFESSIONAL PUBLICATIONS

MOLECULAR VISION


Young, JE, Gross, KW, Khani, SC: Conserved Structure and Spatiotemporal Function of the Compact Rhodopsin Kinase (GRK1) Enhancer/Promoter. Mol Vis 2005;11:1041-1051 (SUNY, Buffalo – Challenge Grant) Keyword(s): Retina and Retinal Diseases
UNIVERSITY OF CALIFORNIA, DAVIS

AMERICAN JOURNAL OF OPHTHALMOLOGY


ARCHIVES OF OPHTHALMOLOGY


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**OTHER PROFESSIONAL PUBLICATIONS**

**CORNEA**

Adrean SD, Cochrane R, Reilly CD, Mannis MJ: **Infectious Keratitis After Astigmatic Keratotomy in Penetrating Keratoplasty: Review of Three Cases.** Cornea 2005;24:626-628 (Univ. of California, Davis – Unres. Grant) Keyword(s): Cornea

Adrean SD, Reilly C, Mannis MJ: **Intraocular Lens Calculation in a Patient with Previous Penetrating Keratoplasty and LASIK.** Cornea 2005;224:629-631 (Univ. of California, Davis – Unres. Grant) (Keyword(s): Cornea

Salehi-Had H, Alvarenga LS, Isseroff R, Schwab IR: **Factors Modulating p63 Expression in Cultured Limbal Epithelial Cells.** Cornea 2005;24:845-852 (Univ. of California, Davis – Unres. Grant) (Keyword(s): Cornea

**JOURNAL OF NEUROSCIENCE**


**JOURNAL OF OPTICAL SOCIETY OF AMERICA**


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Burke JM, Hjelmeland LM: Mosaicism of the Retinal Pigment Epithelium: Seeing the Small Picture. Molecular Interventions 2005;5:241-249 (Univ. of California, Davis and Medical College of Wisconsin – Unres. Grants) Keyword(s): Retinal and Retinal Diseases

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OCULAR IMMUNOLOGY AND INFLAMMATION

Thirkill CE: Cancer-Induced, Immune-Mediated Ocular Degenerations. Ocular Immunol Inflammation 2005;13:119-131 (Univ. of California, Davis – Unres. Grant) Keyword(s): Other – Autoimmune Retinopathy, Cancer-Associated Retinopathy, Melanoma Associated Retinopathy

THE OCULAR SURFACE


PSYCHOLOGICAL SCIENCE


FOREIGN PROFESSIONAL PUBLICATIONS

BRITISH JOURNAL OF DERMATOLOGY

Ladewig G, Reinhold U, Thirkill CE, Kerber A, Tilgen W, Pfohler C: Incidence of Antiretinal Antibodies in Melanoma: Screening of 77 Serum Samples from 51 Patients with American Joint Committee on Cancer Stage I-IV. Br J Dermatology 2005;152:931-938 (Univ. of California, Davis – Unres. Grant) Keyword(s): Other – Autoimmune Retinopathy, Cancer-Associated Retinopathy, Melanoma Associated Retinopathy
BRITISH JOURNAL OF OPHTHALMOLOGY


VISION PAN-AMERICA

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Minckler DS, Baerveldt G, Alfaro MR, Francis BA: Clinical Results with the Trabectome for Treatment of Open-Angle Glaucoma. Ophthalmology 2005;112:962-967 (Univ. of California, Irvine and Univ. of California, Los Angeles – Unres. Grant and Challenge Grant) Keyword(s): Glaucoma
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Naito J, Mott KR, Osorio N, Jin L, Perng GC: *Herpes Simplex Virus Type 1 Immediate-Early Protein Icp0 Diffuses Out of Infected Rabbit Cornea*. J Gen Virology 2005;86:2979-2988 (Univ. of California, Irvine – Challenge Grant) Keyword(s): Cornea, Herpes Simplex Virus Type-1

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Peng W, Henderson G, Inman M, Benmohamed L, Perng GC, Wechsler SL, Jones C: *The Locus Encompassing the Latency-Associated Transcript of Herpes Simplex Virus Type 1 Interferes with and Delays Interferon Expression in Productively Infected Neuroblastoma Cells and Trigeminal Ganglia of Acutely Infected Mice*. J Virology 2005;79:6162-6171 (Univ. of California, Irvine – Challenge Grant and Sr. Scientific Inv. Awd.) Keyword(s): Cornea, Herpes Simplex Virus Type 1

Ling J, Perng GC, Mott KR, Osorio N, Naito J, Brick DJ, Carpenter D, Jones C, Wechsler SL: *A Herpes Simplex Virus Type 1 Mutant Expressing a Baculovirus Inhibitor of Apoptosis Gene in Place of Latency-Associated Transcript Has a Wild Type Reactivation Phenotype in the Mouse*. J Virology 2005;79:12286-12295 (Univ. of California, Irvine – Challenge Grant and Sr. Scientific Inv. Awd.) Keyword(s): Cornea, Herpes Simplex Virus Type 1
Zhang X, Issagholian A, Berg EA, Fishman JB, Nesburn AB, Benmohamed L: Th-Cytotoxic T-Lymphocyte Chimeric Epitopes Extended by N-terminal-Palmitoyl-Lysines Induce Herpes Simplex Virus Type 1-Specific Effector CD8+ Tc1 Responses and Protect Against Ocular Infection. J Virology 2005;79:15289-15301 (Univ. of California, Irvine – Challenge Grant) Keyword(s): Cornea, Herpes Simplex Virus Type 1

FOREIGN PROFESSIONAL PUBLICATIONS

CURRENT EYE RESEARCH

UNIVERSITY OF CALIFORNIA, LOS ANGELES

AMERICAN JOURNAL OF OPHTHALMOLOGY


INVESTIGATIVE OPHTHALMOLOGY & VISUAL SCIENCE


OPHTHALMOLOGY


OTHER PROFESSIONAL PUBLICATIONS

AMERICAN JOURNAL OF RHINOLOGY


Thacker NM, Britt MT, Demer JL: **Extensive Persistent Pupillary Membranes: Conservative Management.** J AAPOS 2005;9:495-496 (Univ. of California, Los Angeles – Unres. Grant) Keyword(s): Amblyopia/Eye Movements; Cataract/Lens

**JOURNAL OF STRUCTURAL BIOLOGY**


**JOURNAL OF NEUROPHYSIOLOGY**


**SURVEY OF OPHTHALMOLOGY**


**FOREIGN PROFESSIONAL PUBLICATIONS**

**BRITISH JOURNAL OF OPHTHALMOLOGY**

UNIVERSITY OF CALIFORNIA, SAN DIEGO

ARCHIVES OF OPHTHALMOLOGY


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FOREIGN PROFESSIONAL PUBLICATIONS

BRITISH JOURNAL OF OPHTHALMOLOGY

UNIVERSITY OF CALIFORNIA, SAN FRANCISCO

AMERICAN JOURNAL OF OPHTHALMOLOGY


INVESTIGATIVE OPHTHALMOLOGY AND VISUAL SCIENCE


OTHER PROFESSIONAL PUBLICATIONS

AMERICAN JOURNAL OF TROPICAL MEDICINE

Lee DC, Chidambaram JD, Porco TC, Gaynor BD, Lietman T: Seasonal Effects in the Elimination of Trachoma. Am J Tropical Med 2005;72:468-470 (Univ. of California, San Francisco - Unres. Grant) Keywords(s): Cornea and Pediatric

CORNEA


HUMAN MOLECULAR GENETICS

THE JOURNAL OF NEUROSCIENCE


MOLECULAR VISION

Danciger M, Yang, H, Handschumacher L, Lavail MM: Constant Light-Induced Retinal Damage and the RPE65-MET450 Variant: Assessment of the Nzw/Lacj Mouse. Mol Vis 2005;11:374-379 (Univ. of California, San Francisco - Unres. Grant and Sr. Scientific Inv. Awd.) Keyword(s): Retina And Retinal Diseases, AMD

NEUROLOGY


OPHTHALMIC GENETICS


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FOREIGN PROFESSIONAL PUBLICATIONS

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Duncan, JL: **Mouse Models May Provide New Insight into the Relation between Cholesterol and Age Related Macular Degeneration.** Br J Ophthalmol 2005;89:1549-1551 (Univ. of California, San Francisco – Unres. Grant and Career Development Awd.) Keyword(s): Retina and Retinal Diseases, AMD

Bhisitkul RB, Keller CG: **Development of Microelectromechanical Systems Forceps for Intraocular Surgery.** Br J Ophthalmol 2005;89:1586-1588 (Univ. of California, San Francisco - Unres. Grant) Keyword(s): Retina and Retinal Diseases

**EUROPEAN JOURNAL OF NEUROSCIENCE**

Krizaj, D: **Short Communication: Compartmentalization of Calcium Entry Pathways in Mouse Rods.** Europe J Neurosci 2005;22:3292-3296 (Univ. of California, San Francisco – Unres. Grant and James S. Adams Scholar) Keyword(s): Retina and Retinal Diseases

**EXPERIMENTAL EYE RESEARCH**

Krizaj D: **SERCA Isoform Expression in the Mammalian Retina.** Exp Eye Res 2005;81:690-699 (Univ. of California, San Francisco – Unres. Grant) Keyword(s): Retina and Retinal Diseases

**JOURNAL OF NEUROSCIENCE METHODS**

Economides JR, Horton JC: **Labeling of Cytochrome Oxidase Patches in Intact Flatmounts of Striate Cortex.** J Neurosci Meth 2005;149:1-6 (Univ. of California, San Francisco - Unres. Grant) Keyword(s): Other: Ocular Dominance
SAUDI JOURNAL OF OPHTHALMOLOGY

UNIVERSITY OF SOUTHERN CALIFORNIA

AMERICAN JOURNAL OF OPHTHALMOLOGY


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**OPHTHALMOLOGY**


**OTHER PROFESSIONAL PUBLICATIONS**

**BIOCHEMICAL & BIOPHYSICAL RESEARCH COMMUNICATIONS**

CORNEA

Smith RE: The Tear Film Complex: Pathogenesis and Emerging Therapies for Dry Eyes. Cornea 2005;24:1-7 (Univ of Southern California - Unres. Grant) Keyword(s): Dry Eye, Other: Lacrimal Apparatus

IEEE ENGINEERING IN MEDICINE & BIOLOGY


IEEE TRANSACTIONS ON NEURAL SYSTEMS AND REHABILITATION ENGINEERING


JOURNAL OF GENERAL PHYSIOLOGY


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JOURNAL OF AUTOIMMUNE DISEASE


JOURNAL OF NEUROCHEMISTRY

CASE WESTERN RESERVE UNIVERSITY

INVESTIGATIVE OPHTALMOLOGY & VISUAL SCIENCE


OTHER PROFESSIONAL PUBLICATIONS

ANNALS NEW YORK ACADEMY OF SCIENCES

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