BIBLIOGRAPHY 2013

LISTED BY SCHOOL
RESEARCH ARTICLES CREDITING RPB SUPPORT IN 2013

UNRESTRICTED GRANTS 52
CHALLENGE GRANTS 7
INDIVIDUAL AWARDS 125
<table>
<thead>
<tr>
<th>Name of School</th>
<th>Articles</th>
<th>Page</th>
<th>Name of School</th>
<th>Articles</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>University of Alabama</td>
<td>29</td>
<td>1</td>
<td>Missouri-Kansas City</td>
<td>3</td>
<td>100</td>
</tr>
<tr>
<td>Albert Einstein College of Med.</td>
<td>31</td>
<td>4</td>
<td>Mount Sinai School of Medicine</td>
<td>8</td>
<td>101</td>
</tr>
<tr>
<td>University of Arizona</td>
<td>6</td>
<td>7</td>
<td>University of Nebraska</td>
<td>24</td>
<td>102</td>
</tr>
<tr>
<td>Baylor College of Medicine</td>
<td>17</td>
<td>8</td>
<td>New York University</td>
<td>4</td>
<td>105</td>
</tr>
<tr>
<td>SUNY Buffalo</td>
<td>14</td>
<td>10</td>
<td>University of North Carolina</td>
<td>50</td>
<td>106</td>
</tr>
<tr>
<td>Univ. of California, Davis</td>
<td>28</td>
<td>12</td>
<td>Northwestern University</td>
<td>15</td>
<td>111</td>
</tr>
<tr>
<td>Univ. of California, Irvine</td>
<td>9</td>
<td>15</td>
<td>University of Oklahoma</td>
<td>19</td>
<td>113</td>
</tr>
<tr>
<td>Univ. of California, L.A.</td>
<td>9</td>
<td>16</td>
<td>Oregon Health &amp; Science Univ.</td>
<td>73</td>
<td>115</td>
</tr>
<tr>
<td>Univ. of California, San Diego</td>
<td>27</td>
<td>18</td>
<td>University of Pennsylvania</td>
<td>18</td>
<td>123</td>
</tr>
<tr>
<td>Univ. of California, San Fran</td>
<td>37</td>
<td>21</td>
<td>University of Pittsburgh</td>
<td>35</td>
<td>125</td>
</tr>
<tr>
<td>Univ. of Southern California</td>
<td>46</td>
<td>25</td>
<td>University of Rochester</td>
<td>21</td>
<td>129</td>
</tr>
<tr>
<td>Case Western Reserve Univ.</td>
<td>17</td>
<td>30</td>
<td>Medical Univ. of South Carolina</td>
<td>24</td>
<td>131</td>
</tr>
<tr>
<td>University of Cincinnati</td>
<td>16</td>
<td>32</td>
<td>SUNY Downstate</td>
<td>21</td>
<td>134</td>
</tr>
<tr>
<td>Cleveland Clinic</td>
<td>41</td>
<td>34</td>
<td>SUNY Upstate Med. Univ.</td>
<td>12</td>
<td>137</td>
</tr>
<tr>
<td>Columbia University</td>
<td>32</td>
<td>39</td>
<td>University of Tennessee</td>
<td>30</td>
<td>139</td>
</tr>
<tr>
<td>Duke University</td>
<td>27</td>
<td>43</td>
<td>University of Texas, Galveston</td>
<td>7</td>
<td>143</td>
</tr>
<tr>
<td>Emory University</td>
<td>63</td>
<td>47</td>
<td>University of Texas, Houston</td>
<td>10</td>
<td>144</td>
</tr>
<tr>
<td>University of Florida</td>
<td>37</td>
<td>53</td>
<td>Univ. of Texas, Southwestern</td>
<td>36</td>
<td>145</td>
</tr>
<tr>
<td>Harvard University</td>
<td>31</td>
<td>57</td>
<td>Tufts University</td>
<td>41</td>
<td>149</td>
</tr>
<tr>
<td>Univ. of Illinois at Chicago</td>
<td>40</td>
<td>61</td>
<td>University of Utah</td>
<td>71</td>
<td>153</td>
</tr>
<tr>
<td>University of Iowa</td>
<td>29</td>
<td>65</td>
<td>Vanderbilt University</td>
<td>39</td>
<td>161</td>
</tr>
<tr>
<td>Johns Hopkins University</td>
<td>45</td>
<td>68</td>
<td>University of Washington</td>
<td>35</td>
<td>166</td>
</tr>
<tr>
<td>Kentucky University</td>
<td>5</td>
<td>73</td>
<td>Washington Univ., St. Louis</td>
<td>24</td>
<td>170</td>
</tr>
<tr>
<td>Louisiana State University</td>
<td>12</td>
<td>74</td>
<td>Wayne State University</td>
<td>21</td>
<td>173</td>
</tr>
<tr>
<td>University of Louisville</td>
<td>19</td>
<td>76</td>
<td>Weill Cornell Medical College</td>
<td>26</td>
<td>175</td>
</tr>
<tr>
<td>Mayo Medical School</td>
<td>36</td>
<td>78</td>
<td>West Virginia University</td>
<td>11</td>
<td>178</td>
</tr>
<tr>
<td>University of Miami</td>
<td>114</td>
<td>82</td>
<td>Medical College of Wisconsin</td>
<td>39</td>
<td>180</td>
</tr>
<tr>
<td>University of Michigan</td>
<td>31</td>
<td>92</td>
<td>University of Wisconsin</td>
<td>50</td>
<td>184</td>
</tr>
<tr>
<td>University of Minnesota</td>
<td>27</td>
<td>95</td>
<td>Yale University</td>
<td>26</td>
<td>189</td>
</tr>
<tr>
<td>Missouri-Columbia</td>
<td>11</td>
<td>98</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## RESEARCH ARTICLES CREDITING RPB FOR SUPPORT IN 2013:
### LISTING BY SCHOOL

<table>
<thead>
<tr>
<th>PUBLICATION</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMERICAN JOURNAL OF OPHTHALMOLOGY</td>
<td>69</td>
</tr>
<tr>
<td>INVESTIGATIVE OPHTHALMOLOGY AND VISUAL SCIENCE</td>
<td>220</td>
</tr>
<tr>
<td>Association for Research in Vision and Ophthalmology – ARVO</td>
<td></td>
</tr>
<tr>
<td>JAMA OPHTHALMOLOGY</td>
<td>78</td>
</tr>
<tr>
<td>OPHTHALMOLOGY</td>
<td>87</td>
</tr>
<tr>
<td>American Academy of Ophthalmology</td>
<td></td>
</tr>
<tr>
<td>OTHER PROFESSIONAL PUBLICATIONS</td>
<td>1,225</td>
</tr>
<tr>
<td><strong>TOTAL PAPERS WITH RPB CREDITS</strong></td>
<td>1,679</td>
</tr>
</tbody>
</table>

### SPECIFIC RPB GRANTS ACKNOWLEDGED*

<table>
<thead>
<tr>
<th>Grant Type</th>
<th>Credits</th>
<th>Acknowledged Grant</th>
</tr>
</thead>
<tbody>
<tr>
<td>RPB Unrestricted Grants</td>
<td>1,497</td>
<td>Walt and Lilly Disney Awd</td>
</tr>
<tr>
<td>RPB Challenge Grants</td>
<td>51</td>
<td>Wm. and Mary Greve Scholar</td>
</tr>
<tr>
<td>RPB Jules &amp; Doris Stein Prof.</td>
<td>13</td>
<td>Olga Keith Wiess Scholar</td>
</tr>
<tr>
<td>RPB Lew R. Wasserman Merit Awd.</td>
<td>33</td>
<td>Int’l Research Scholar</td>
</tr>
<tr>
<td>RPB Sr. Scientific Inv. Awd.</td>
<td>77</td>
<td>Sybil B. Harrington Scholar</td>
</tr>
<tr>
<td>RPB Career Development Awd.</td>
<td>100</td>
<td>Ernest and Elizabeth Althouse</td>
</tr>
<tr>
<td>RPB Physician-Scientist Awd.</td>
<td>39</td>
<td>Robert and Helen Schaub Scholar</td>
</tr>
<tr>
<td>RPB Innov. Ophthalmic Research Awd</td>
<td>3</td>
<td>Medical Student Fellowship</td>
</tr>
<tr>
<td>RPB Dolly Green Scholars</td>
<td>3</td>
<td>Research Sabbatical Grant</td>
</tr>
<tr>
<td>Nelson Trust Scholar</td>
<td>0</td>
<td>TOTAL RPB GRANTEE CREDITS</td>
</tr>
</tbody>
</table>

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


OTHER PROFESSIONAL PUBLICATIONS – UNITED STATES AND FOREIGN


Thinda S, Vaphiades MS, Mawn LA. **Mechanical oscillopsia after lower eyelid blepharoplasty with fat repositioning.** J Neuroophthalmol. 2013 Mar;33(1):71-3 (Univ. Alabama Birmingham - Unres. Grant). Keyword(s): Other (Blepharoplasty)


Belyea D, Mines M, Yao W, Dan J, Bower K. Telerobotic contract transscleral cyclophotocoagulation of the ciliary body with the diode laser. J Robotic Surg. 2013 Jun;7(2) (Albert Einstein College of Medicine - Unres. Grant). Keyword(s): Glaucoma; Retina/Retinal Diseases


Casimiro TM, Nawy S, Carroll RC. Molecular mechanisms underlying activity-dependent AMPA receptor cycling in retinal ganglion cells. Mol Cell Neurosci. 2013 Sep;56:384-92 (Albert Einstein College of Medicine - Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Glaucoma; Retina/Retinal Diseases


Park CY, Chuck RS. Non-descemet stripping descemet membrane endothelial keratoplasty. Cornea. 2013 Dec;32(12):1607-9 (Albert Einstein College of Medicine - Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Cornea

Park CY, Do JR, Kim SH, Lim CY, Chuck RS. The effect of head tilt on keratometric measurement using the IOLMaster. Eye (Lond). 2013 Dec;27(12):1411-7 (Albert Einstein College of Medicine - Unres. Grant). Keyword(s): Cataract; Cornea; Other (Refractive Surgery)


Park S, Chuck RS. Corneal collagen cross-linking for correction of low myopia? Curr Opin Ophthalmol. 2013 Jul;24(4):273-4 (Albert Einstein College of Medicine - Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Cornea; Myopia/Presbyopia


Schwarcz RM, Coupland SE, Finger PT. Cancer of the orbit and adnexa. Am J Clin Oncol. 2013 Apr;36(2):197-205 (Albert Einstein College of Medicine - Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Ocular Oncology/Pterygium


BAYLOR COLLEGE OF MEDICINE

AMERICAN JOURNAL OF OPHTHALMOLOGY


INVESTIGATIVE OPHTHALMOLOGY AND VISUAL SCIENCE


OTHER PROFESSIONAL PUBLICATIONS – UNITED STATES AND FOREIGN


Dimit R, Gire A, Pflugfelder SC, Bergmanson JP. Patient ocular conditions and clinical outcomes using a PROSE scleral device. Cont Lens Anterior Eye. 2013 Aug;36(4):159-63 (Baylor College of Medicine – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Cornea


Pfeiffer ML, Hashemi N, Foroozan R, Lee AG. Late-onset leber hereditary optic neuropathy. Clin Experiment Ophthalmol. 2013 Sep;41(7):690-3 (Baylor College of Medicine – Gene Research/Therapy). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Gene Research/Therapy


Gill LK, Arnoldi K. Binocular vision outcomes following surgery for long-standing large angle exodeviation. Strabismus. 2013 Jun;21(2):123-6 (State Univ. of New York at Buffalo – Unres. Grant). Keyword(s): Pediatric


Patel SP. The bull’s eye: Are we off-target for corneal endothelial cell physiology? J Ophthalmic Vis Res. 2013 Jan;8(1):83-5 (State Univ. of New York at Buffalo – Unres. Grant). Keyword(s): Cornea


Vachali PP, Besch BM, Gonzalez-Fernandez F, Bernstein PS. **Carotenoids as possible interphotoreceptor retinoid-binding protein (IRBP) ligands: A surface plasmon resonance (SPR) based study.** Arch Biochem Biophys. 2013 Nov 15;539(2):181-6 (State Univ. of New York at Buffalo – Unres. Grant). Keyword(s): Retina/Retinal Diseases

UNIVERSITY OF CALIFORNIA, DAVIS

AMERICAN JOURNAL OF OPHTHALMOLOGY


INVESTIGATIVE OPHTHALMOLOGY AND VISUAL SCIENCE


OTHER PROFESSIONAL PUBLICATIONS – UNITED STATES AND FOREIGN


Chin EK, Cortes DE, Lam A, Mannis MJ. Anterior segment OCT and confocal microscopy findings in atypical corneal intraepithelial neoplasia. Cornea. 2013 Jun;32(6):875-9 (Univ. of California, Davis - Unres. Grant). Keyword(s): Cornea


Lim S, Goldman MS. Balanced cortical microcircuitry for maintaining information in working memory. Nat Neurosci. 2013 Sep;16(9):1306-14 (Univ. of California, Davis - Unres. Grant). Keyword(s): Other (Oculomotor Memory Circuit)

Morgan JT, Murphy CJ, Russell P. What do mechanotransduction, hippo, wnt, and TGFbeta have in common? YAP and TAZ as key orchestrating molecules in ocular health and disease. Exp Eye Res. 2013 Oct;115:1-12 (Univ. of California, Davis - Unres. Grant). Keyword(s): Other (Biophysical Cueing)


Rashid S, Pilli S, Chin EK, Zawadzki RJ, Werner JS, Park SS. Five-year follow-up of macular morphologic changes after rhegmatogenous retinal detachment repair: Fourier domain OCT findings. Retina. 2013 Nov-Dec;33(10):2049-58 (Univ. of California, Davis - Unres. Grant). Keyword(s): Retina/Retinal Diseases


Shapiro BL, Cortes DE, Chin EK, Li JY, Werner JS, Redenbo E, Mannis MJ. High-resolution spectral domain anterior segment optical coherence tomography in type 1 boston keratoprosthesis. Cornea. 2013 Jul;32(7):951-5 (Univ. of California, Davis - Unres. Grant). Keyword(s): Cornea


Ramirez C, Pham K, Franco MF, Chwa M, Limb A, Kuppermann BD, Kenney MC. **Hydroquinone induces oxidative and mitochondrial damage to human retinal muller cells (MIO-M1).** Neurotoxicology. 2013 Aug 29;39C:102-8 (Univ. of California, Irvine – Unres. Grant). Keyword(s): Retina/Retinal Diseases


Frost LS, Lopes VS, Stefano FP, Bragin A, Williams DS, Mitchell CH, Boesze-Battaglia K. **Loss of melanoregulin (MREG) enhances cathepsin-D secretion by the retinal pigment epithelium.** Vis Neurosci. 2013 May;30(3):55-64 (Univ. of California, Los Angeles - Jules and Doris Stein RPB Prof.). Keyword(s): AMD; Retina/Retinal Diseases


Kwong JM, Vo N, Quan A, Nam M, Kyung H, Yu F, Piri N, Caprioli J. **The dark phase intraocular pressure elevation and retinal ganglion cell degeneration in a rat model of experimental glaucoma.** Exp Eye Res. 2013 Jul;112:21-8 (Univ. of California, Los Angeles - Unres. Grant). Keyword(s): Glaucoma; Retina/Retinal Diseases (Ganglion Cells)


Strom SP, Gorin MB. Evaluation of autosomal dominant retinal dystrophy genes in an unaffected cohort suggests rare or private missense variants may often be benign. Mol Vis. 2013 May 6;19:980-5 (Univ. of California, Los Angeles – Unres. Grant). Keyword(s): Gene Research/Therapy; Macular Dystrophy; Retina/Retinal Diseases


Chindasub P, Lindsey JD, Duong-Polk K, Leung CK, Weinreb RN. Inhibition of histone deacetylases 1 and 3 protects injured retinal ganglion cells. Invest Ophthalmol Vis Sci. 2013 Jan 7;54(1):96-102 (Univ. of California, San Diego - Unres. Grant). Keyword(s): Imaging


**JAMA OPHTHALMOLOGY**


**OTHER PROFESSIONAL PUBLICATIONS – UNITED STATES AND FOREIGN**

Barteselli G, Bartsch DU, Freeman WR. **Combined depth imaging using optical coherence tomography as a novel imaging technique to visualize vitreoretinal choroidal structures.** Retina. 2013 Jan;33(1):247-8 (Univ. of California, San Diego - Unres. Grant). Keyword(s): Imaging


Blain D, Goetz KE, Ayyagari R, Tumminia SJ. **eyeGENE(R): A vision community resource facilitating patient care and paving the path for research through molecular diagnostic testing.** Clin Genet. 2013 Aug;84(2):190-7 (Univ. of California, San Diego - Unres. Grant). Keyword(s): AMD; Cornea; Gene Research/Therapy; Retinitis Pigmentosa

Dai Y, Lindsey JD, Duong-Polk KX, Chindasub P, Leung CK, Weinreb RN. **Brimonidine protects against loss of thy-1 promoter activation following optic nerve crush.** BMC Ophthalmol. 2013 Jun 27;13(1):26,2415-13-26 (Univ. of California, San Diego - Unres. Grant). Keyword(s): Imaging; Neuro-Ophthalmology; Optic Neuropathy; Retina/Retinal Diseases

El-Emam S, Chhablani J, Barteselli G, Wang H, Lee SN, Kozak I, Cheng L, Freeman WR. **Correlation of spectral domain optical coherence tomography characteristics with visual acuity in eyes with subfoveal scarring after treatment for wet age-related macular degeneration.** Retina. 2013 Jun;33(6):1249-57 (Univ. of California, San Diego - Unres. Grant). Keyword(s): AMD; Diabetic Retinopathy; Retinal Detachment; Retinal Vein and Artery Occlusion

Kador KE, Montero RB, Venugopalan P, Hertz J, Zindell AN, Valenzuela DA, Uddin MS, Lavik EB, Muller KJ, Andreopoulos FM, Goldberg JL. Tissue engineering the retinal ganglion cell nerve fiber layer. Biomaterials. 2013 Jun;34(17):4242-50 (Univ. of California, San Diego - Unres. Grant). Keyword(s): Cataract; Glaucoma; Retina/Retinal Diseases; Retinitis Pigmentosa


Oh SR, Korn BS, Kikkawa DO. Orbitomalar suspension with combined single drill hole canthoplasty. Ophthal Plast Reconstr Surg. 2013 Sep;29(5):357-60 (Univ. of California, San Diego - Unres. Grant). Keyword(s): Cornea; Glaucoma; Imaging; Thyroid Ophthalmology


Pita-Thomas DW, Goldberg JL. Nanotechnology and glaucoma: Little particles for a big disease. Curr Opin Ophthalmol. 2013 Mar;24(2):130-5 (Univ. of California, San Diego - Unres. Grant). Keyword(s): Gene Research/Therapy; Glaucoma; Nanotechnology/Drug Delivery; Optic Neuropathy; Retina/Retinal Diseases


INVESTIGATIVE OPHTHALMOLOGY AND VISUAL SCIENCE


Lee RY, Kasuga T, Cui QN, Huang G, He M, Lin SC. **Association between baseline angle width and induced angle opening following prophylactic laser peripheral iridotomy.** Invest Ophthalmol Vis Sci. 2013 May 1;54(5):3763-70 (Univ. of California, San Francisco – Unres. Grant). Keyword(s): Glaucoma


**JAMA OPHTHALMOLOGY**


**OPHTHALMOLOGY**

Borkar DS, Tham VM, Esterberg E, Ray KJ, Vinoya AC, Parker JV, Uchida A, Acharya NR. **Incidence of herpes zoster ophthalmicus: Results from the pacific ocular inflammation study.** Ophthalmology. 2013 Mar;120(3):451-6 (Univ. of California, San Francisco – Career Development Awd). Keyword(s): Uveitis/Infectious Diseases

Prajna NV, O’Brien KS, Acharya NR, Lietman TM. **Voriconazole for fungal keratitis.** Ophthalmology. 2013 Sep;120(9):e62-3 (Univ. of California, San Francisco – Career Development Awd). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Cornea; Uveitis/Infectious Diseases


Gorovoy IR, Stewart JM. 360 degrees subconjunctival silicone oil after unsutured 23-gauge vitrectomy. Eye (Lond). 2013 Jul;27(7):894-5 (Univ. of California, San Francisco – Unres. Grant). Keyword(s): Retinal Detachment


Keenan JD, Emerson PM, Gaynor BD, Porco TC, Lietman TM. Adult mortality in a randomized trial of mass azithromycin for trachoma. JAMA Intern Med. 2013 May 13;173(9):821-3 (Univ. of California, San Francisco – Career Development Awd). Keyword(s): Epidemiology; Other (Trachoma)

Liu F, Porco TC, Ray KJ, Bailey RL, Mkocha H, Munoz B, Quinn TC, Lietman TM, West SK. **Assessment of transmission in trachoma programs over time suggests no short-term loss of immunity.** PLoS Negl Trop Dis. 2013 Jul 11;7(7):e2303 (Univ. of California, San Francisco – Career Development Awd). Keyword(s): Epidemiology; Other (Trachoma)

McClintic SM, Srinivasan M, Mascarenhas J, Greninger DA, Acharya NR, Lietman TM, Keenan JD. **Improvement in corneal scarring following bacterial keratitis.** Eye (Lond). 2013 Mar;27(3):443-6 (Univ. of California, San Francisco – Career Development Awd). Keyword(s): Cornea; Uveitis/Infectious Diseases


Rofagha S, Prechanond T, Stewart JM. **Late spontaneous dissociation of a fluocinolone acetonide implant (retisert).** Ocul Immunol Inflam. 2013;21(1):77-8 (Univ. of California, San Francisco – Unres. Grant). Keyword(s): Uveitis/Infectious Diseases

Stewart JM, Estrada MM, Porco TC. **Incidence of unplanned return to the operating room following vitreoretinal surgery at a public teaching hospital.** Curr Eye Res. 2013 Aug;38(8):886-8 (Univ. of California, San Francisco – Unres. Grant). Keyword(s): Retinal Detachment

Venters SJ, Mikawa T, Hyer J. **Central and peripheral retina arise through distinct developmental paths.** PLoS One. 2013 Apr 16;8(4):e61422 (Univ. of California, San Francisco – Unres. Grant). Keyword(s): Stem Cell Research/Therapy


Terry MA, Straiko MD, Goshe JM, Shah A, Alqudah AA, Davis-Boozer D. Endothelial keratoplasty: Prospective, randomized, masked clinical trial comparing an injector with forceps for tissue insertion. Am J Ophthalmol. 2013 Jul;156(1):61-68.e3 (Univ. of Southern California - Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Cornea (Fuchs Corneal Dystrophy; Descemet Stripping Automated Endothelial Keratoplasty)


Francis BA, Weiland JD, Sachs NA, Chang EL. Benzalkonium chloride-induced denervation of orbicularis oculi muscle in rabbits. Invest Ophthalmol Vis Sci. 2013 Mar 13;54(3):1868-72 (Univ. of Southern California - Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Glaucoma (Benzalkonium Chloride; Orbicularis Oculi Muscle)


Huang AS, Gonzalez JM,Jr, Le PV, Heur M, Tan JC. Sources of structural autofluorescence in the human trabecular meshwork. Invest Ophthalmol Vis Sci. 2013 Jul 18;54(7):4813-20 (Univ. of Southern California - Career Development Awd and Unres. Grant). Keyword(s): Other (Trabecular Meshwork; Autofluorescence; Collagen; Elastin)

Le PV, Tan O, Chopra V, Francis BA, Ragab O, Varma R, Huang D. Regional correlation among ganglion cell complex, nerve fiber layer, and visual field loss in glaucoma. Invest Ophthalmol Vis Sci. 2013 Jun 21;54(6):4287-95 (Univ. of Southern California - Unres. Grant). Keyword(s): Other (Optical Coherence Tomography; Visual Field; Retinal Nerve Fiber Layer; Ganglion Cell Complex)


Liang D, Zuo A, Shao H, Born WK, O'Brien RL, Kaplan HJ, Sun D. Retinoic acid inhibits CD25+ dendritic cell expansion and gammadelta T-cell activation in experimental autoimmune uveitis. Invest Ophthalmol Vis Sci. 2013 May 1;54(5):3493-503 (Univ. of Southern California - Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Uveitis/Infectious Diseases (Retinoic Acid)

Ouyang Y, Heussen FM, Keane PA, Pappuru RK, Sadda SR, Walsh AC. Juxtapapillary pigment epithelium detachment observed in asymptomatic participants using optical coherence tomography. Invest Ophthalmol Vis Sci. 2013 Feb 1;54(2):1144-9 (Univ. of Southern California - Unres. Grant). Keyword(s): Retinal Detachment


OTHER PROFESSIONAL PUBLICATIONS – UNITED STATES AND FOREIGN

Ahuja AK, Yeoh J, Dorn JD, Caspi A, Wuyyuru V, McMahon MJ, Humayun MS, Greenberg RJ, Da Cruz L. **Factors affecting perceptual threshold in argus II retinal prosthesis subjects.** Transl Vis Sci Technol. 2013 Apr;2(4):1 (Univ. of Southern California - Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Retina/Retinal Diseases; Retinitis Pigmentosa

Alkin Z, Kashani AH, Lopez-Jaime GR, Ruiz Garcia H, Humayun MS, Sadda SR. **Quantitative analysis of retinal structures using spectral domain optical coherence tomography in normal rabbits.** Curr Eye Res. 2013 Feb;38(2):299-304 (Univ. of Southern California - Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Retina/Retinal Diseases


Chen K, Lo YK, Yang Z, Weiland JD, Humayun MS, Liu W. **A system verification platform for high-density epiretinal prostheses.** IEEE Trans Biomed Circuits Syst. 2013 Jun;7(3):326-37 (Univ. of Southern California - Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Retina/Retinal Diseases


Diniz B, Fernandes RB, Ribeiro RM, Lue JC, Teixeira AG, Magalhaes O, Maia M, Humayun MS. **Analysis of a 23-gauge ultra high-speed cutter with duty cycle control.** Retina. 2013 May;33(5):933-8 (Univ. of Southern California - Unres. Grant). Keyword(s): Retina/Retinal Diseases (Vitreous)

Diniz B, Ribeiro RM, Fernandes RB, Lue JC, Teixeira AG, Maia M, Humayun MS. **Fluidics in a dual pneumatic ultra high-speed vitreous cutter system.** Ophthalmologica. 2013;229(1):15-20 (Univ. of Southern California - Unres. Grant). Keyword(s): Other (Vitreoretinal Surgery; Pars Plana Vitrectomy; Vitrectomy)


Fox T, Gotlinger KH, Dunn MW, Lee OL, Milman T, Zaidman G, Schwartzman ML, Bellner L. **Dysregulated heme oxygenase-ferritin system in pterygium pathogenesis.** Cornea. 2013 Sep;32(9):1276-82 (Univ. of Southern California - Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Cornea (Heme Oxygenase; Pterygium)

Hsu HY, Edelstein SL. **Two-year outcomes of an initial series of DSAEK cases in normal and abnormal eyes at an inner-city university practice.** Cornea. 2013 Aug;32(8):1069-74 (Univ. of Southern California - Unres. Grant). Keyword(s): Other (Descemet Stripping Automated Endothelial Keratoplasty)


Lee JG, Heur M. Interleukin-1beta enhances cell migration through AP-1 and NF-kappaB pathway-dependent FGF2 expression in human corneal endothelial cells. Biol Cell. 2013 Apr;105(4):175-89 (Univ. of Southern California - Unres. Grant). Keyword(s): Cornea (Cell Migration)

Liang D, Zuo A, Shao H, Born WK, O’Brien RL, Kaplan HJ, Sun D. IL-23 receptor expression on gammadelta T cells correlates with their enhancing or suppressive effects on autoreactive T cells in experimental autoimmune uveitis. J Immunol. 2013 Aug 1;191(3):1118-25 (Univ. of Southern California - Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Uveitis/Infectious Diseases


Nazari Khanamiri H, Rao NA. Serpiginous choroiditis and infectious multifocal serpiginoid choroiditis. Surv Ophthalmol. 2013 May-Jun;58(3):203-32 (Univ. of Southern California - Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Uveitis/Infectious Diseases


Ouyang Y, Heussen FM, Keane PA, Pappuru RK, Sadda SR, Walsh AC. Evaluation of the axial location of cystoid spaces in retinal vein occlusion using optical coherence tomography. Retina. 2013 May;33(5):1011-9 (Univ. of Southern California - Unres. Grant). Keyword(s): Retinal Vein and Artery Occlusion

Ouyang Y, Walsh AC, Keane PA, Heussen FM, Pappuru RK, Sadda SR. Different phenotypes of the appearance of the outer plexiform layer on optical coherence tomography. Graefes Arch Clin Exp Ophthalmol. 2013 Oct;251(10):2311-7 (Univ. of Southern California - Unres. Grant). Keyword(s): Other (Spectral Domain; Optical Coherence Tomography)


Roark CL, Huang Y, Jin N, Aydintug MK, Casper T, Sun D, Born WK, O’Brien RL. A canonical Vgamma4Vdelta4+ gammadelta T cell population with distinct stimulation requirements which promotes the Th17 response. Immunol Res. 2013 Mar;55(1-3):217-30 (Univ. of Southern California - Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Other (Gamma/Delta T Cells; Th17 Response; IL-17; Dermis)


Weitz AC, Behrend MR, Lee NS, Klein RL, Chiodo VA, Hauswirth WW, Humayun MS, Weiland JD, Chow RH. Imaging the response of the retina to electrical stimulation with genetically encoded calcium indicators. J Neurophysiol. 2013 Apr;109(7):1979-88 (Univ. of Southern California - Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Imaging; Retina/Retinal Diseases


Chen J, Pikuleva IA, Turko IV. Mass spectrometry quantification of PICALM and AP180 in human frontal cortex and neural retina. Anal Biochem. 2013 Nov 15;442(2):253-8 (Case Western Reserve Univ. – Jules and Doris Stein RPB Prof.). Keyword(s): AMD; Diabetic Retinopathy; Retina/Retinal Diseases


Mast N, Linger M, Pikuleva IA. Inhibition and stimulation of activity of purified recombinant CYP11A1 by therapeutic agents. Mol Cell Endocrinol. 2013 May 22;371(1-2):100-6 (Case Western Reserve Univ. – Jules and Doris Stein RPB Prof.). Keyword(s): AMD; Diabetic Retinopathy; Retina/Retinal Diseases


Pikuleva IA, Waterman MR. Cytochromes p450: Roles in diseases. J Biol Chem. 2013 Jun 14;288(24):17091-8 (Case Western Reserve Univ. – Jules and Doris Stein RPB Prof.). Keyword(s): AMD; Diabetic Retinopathy; Retina/Retinal Diseases

INVESTIGATIVE OPHTHALMOLOGY AND VISUAL SCIENCE


OPHTHALMOLOGY


OTHER PROFESSIONAL PUBLICATIONS – UNITED STATES AND FOREIGN


Gray ME, Shaikh AH, Correa ZM, Augsburger JJ. Primary uveal melanoma in a 4-year-old black child. J AAPOS. 2013 Oct;17(5):551-3 (Univ. of Cincinnati – Unres. Grant). Keyword(s): Ocular Oncology/Pterygium; Pediatric


Saltarelli DP, Motley WW. Optical penalization with contact lenses for children with unilateral aphakia: An alternative to patching. Eye Contact Lens. 2013 Nov;39(6):405-9 (Univ. of Cincinnati – Unres. Grant). Keyword(s): Cataract; Pediatric


CLEVELAND CLINIC LERNER COLLEGE OF MEDICINE

AMERICAN JOURNAL OF OPHTHALMOLOGY


INVESTIGATIVE OPHTHALMOLOGY AND VISUAL SCIENCE


Samuels IS, Bell BA, Sturgill-Short G, Ebke LA, Rayborn M, Shi L, Nishina PM, Peachey NS. Myosin 6 is required for iris development and normal function of the outer retina. Invest Ophthalmol Vis Sci. 2013 Nov 1;54(12):7223-33 (Cleveland Clinic Lerner College of Medicine – Unres. Grant). Keyword(s): Retina/Retinal Diseases; Other (Iris)


JAMA OPHTALMOLOGY


OPHTALMOLOGY


OTHER PROFESSIONAL PUBLICATIONS – UNITED STATES AND FOREIGN


Bonilha VL, Shadrach KG, Rayborn ME, Li Y, Pauer GJ, Hagstrom SA, Bhattacharya SK, Hollyfield JG. Retinal deimination and PAD2 levels in retinas from donors with age-related macular degeneration (AMD). Exp Eye Res. 2013 Jun;111:71-8 (Cleveland Clinic Lerner College of Medicine – Unres. Grant). Keyword(s): AMD; Retina/Retinal Diseases


Ehlers JP, Ohr MP, Kaiser PK, Srivastava SK. Novel microarchitectural dynamics in rhegmatogenous retinal detachments identified with intraoperative optical coherence tomography. Retina. 2013 Jul-Aug;33(7):1428-34 (Cleveland Clinic Lerner College of Medicine – Lew R. Wasserman Merit Awd and Unres. Grant). Keyword(s): Retina/Retinal Diseases


Englander M, Kaiser PK. Combination therapy for the treatment of neovascular age-related macular degeneration. Curr Opin Ophthalmol. 2013 May;24(3):233-8 (Cleveland Clinic Lerner College of Medicine – Lew R. Wasserman Merit Awd and Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): AMD

Grossman GH, Ebke LA, Beight CD, Jang GF, Crabb JW, Hagstrom SA. **Protein partners of dynamin-1 in the retina.** Vis Neurosci. 2013 Jul;30(4):129-39 (Cleveland Clinic Lerner College of Medicine - Unres. Grant). Keyword(s): Gene Research/Therapy; Other (Proteomics)


Mustafi D, Kevany BM, Bai X, Maeda T, Sears JE, Khalil AM, Palczewski K. **Evolutionarily conserved long intergenic non-coding RNAs in the eye.** Hum Mol Genet. 2013 Aug 1;22(15):2992-3002 (Cleveland Clinic Lerner College of Medicine – Unres. Grant). Keyword(s): Gene Research/Therapy

Pabon S, Emch T, Lee J, Singh AD. **A young woman with proptosis.** Br J Ophthalmol. 2013 Sep;97(9):1213, 1222 (Cleveland Clinic Lerner College of Medicine – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Ocular Oncology/Pterygium


Renganathan K, Gu J, Rayborn ME, Crabb JS, Salomon RG, Collier RJ, Kapin MA, Romano C, Hollyfield JG, Crabb JW. **CEP biomarkers as potential tools for monitoring therapeutics.** PLoS One. 2013 Oct 1;8(10):e76325 (Cleveland Clinic Lerner College of Medicine – Unres. Grant). Keyword(s): AMD; Retina/Retinal Diseases; Other (Biomarkers)

Shadrach KG, Rayborn ME, Hollyfield JG, Bonilha VL. **DJ-1-dependent regulation of oxidative stress in the retinal pigment epithelium (RPE).** PLoS One. 2013 Jul 2;8(7):e67983 (Cleveland Clinic Lerner College of Medicine – Unres. Grant). Keyword(s): Retina/Retinal Diseases

Shen BY, Punjabi OS, Lowder CY, Sears JE, Singh RP. **Early treatment response of fluocinolone (retisert) implantation in patients with uveitic macular edema: An optical coherence tomography study.** Retina. 2013 Apr;33(4):873-7 (Cleveland Clinic Lerner College of Medicine – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Uveitis/Infectious Diseases

Singh AD. **Ocular phototherapy.** Eye (Lond). 2013 Feb;27(2):190-8 (Cleveland Clinic Lerner College of Medicine – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Ocular Oncology/Pterygium

Singh V, Jaini R, Torricelli AA, Tuohy VK, Wilson SE. **A method to generate enhanced GFP+ chimeric mice to study the role of bone marrow-derived cells in the eye.** Exp Eye Res. 2013 Nov;116:366-70 (Cleveland Clinic Lerner College of Medicine – Physician-Scientist Awd and Unres. Grant). Keyword(s): Cornea


Traboulsi EI. **Childhood retinal dystrophies: What's in a name?** Br J Ophthalmol. 2013 Mar;97(3):247 (Cleveland Clinic Lerner College of Medicine – Unres. Grant). Keyword(s): Retina/Retinal Diseases

Utz VM, Beight CD, Marino MJ, Hagstrom SA, Traboulsi EI. **Autosomal dominant retinitis pigmentosa secondary to pre-mRNA splicing-factor gene PRPF31 (RP11): Review of disease mechanism and report of a family with a novel 3-base pair insertion.** Ophthalmic Genet. 2013 Dec;34(4):183-8 (Cleveland Clinic Lerner College of Medicine – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Gene Research/Therapy; Retinitis Pigmentosa

COLUMBIA UNIVERSITY

INVESTIGATIVE OPHTHALMOLOGY AND VISUAL SCIENCE


Burke TR, Allikmets R. **Author response: Retinal phenotypes in patients homozygous for the G1961E mutation in the ABCA4 gene.** Invest Ophthalmol Vis Sci. 2013 Jan 17;54(1):521-11528 (Columbia Univ. – Unres. Grant). RPB support has been omitted by the publisher. Keyword(s): Retina/Retinal Diseases


JAMA OPHTHALMOLOGY


OPHTHALMOLOGY

Perlee LT, Bansal AT, Gehrs K, Heier JS, Csaky K, Allikmets R, Oeth P, Paladino T, Farkas DH, Rawlings PL, Hageman GS. *Inclusion of genotype with fundus phenotype improves accuracy of predicting choroidal neovascularization and geographic atrophy.* Ophthalmology. 2013 Sep;120(9):1880-92 (Columbia Univ. – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): AMD


OTHER PROFESSIONAL PUBLICATIONS – UNITED STATES AND FOREIGN


Keyword(s): AMD

Goldberg NR, Greenberg JP, Laud K, Tsang S, Freund KB. Outer retinal tubulation in degenerative retinal disorders. Retina. 2013 Oct;33(9):1871-6 (Columbia Univ. – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Imaging


Keyword(s): AMD


Mrejen S, Fung AT, Silverman RH, Kendall C, Freund KB. Potential pitfalls in measuring the thickness of small choroidal melanocytic tumors with ultrasonography. Retina. 2013 Jul-Aug;33(7):1293-9 (Columbia Univ. – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Ocular Oncology/Pterygium


Keyword(s): Imaging

Santos RA, Keegan DJ, Fuchs BS, Song BJ, Avila MP, Simpson N, Sparrow JR, Chang S. **DFPE, partially fluorinated ether: A novel approach for experimental intravitreal tamponade.** Retina. 2013 Jan;33(1):120-7 (Columbia Univ. – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Retinal Detachment


Berchuck JE, Yang P, Toimil BA, Ma Z, Baciu P, Jaffe GJ. All-trans-retinal sensitizes human RPE cells to alternative complement pathway-induced cell death. Invest Ophthalmol Vis Sci. 2013 Apr 12;54(4):2669-77 (Duke Univ. – Unres. Grant). Keyword(s): AMD; Retina/Retinal Diseases; Other (Oxidative Damage; Retinal Pigment Epithelial)


Moreno TA, O’Connell RV, Chiu SJ, Farsiu S, Cabrera MT, Maldonado RS, Tran-Viet D, Freedman SF, Wallace DK, Toth CA. Choroid development and feasibility of choroidal imaging in the preterm and term infants utilizing SD-OCT. Invest Ophthalmol Vis Sci. 2013 Jun 14;54(6):4140-7 (Duke Univ. – Unres. Grant). Keyword(s): Other (Choroid; Ocular Development; Optical Coherence Tomography; Retinopathy of Prematurity)


Lobanova ES, Finkelstein S, Skiba NP, Arshavsky VY. Proteasome overload is a common stress factor in multiple forms of inherited retinal degeneration. Proc Natl Acad Sci U S A. 2013 Jun 11;110(24):9986-91 (Duke Univ. – Unres. Grant). Keyword(s): Other (Neurodegenerative Diseases; Protein Degradation)


Mukherjee N, El-Dairi M, Bhatti M. Optic nerve sheath fenestration: Indications and techniques. US Ophthalmic Review. 2013 Jul;6(2):125-31 (Duke Univ. – Unres. Grant). Keyword(s): Other (Idiopathic Intracranial Hypertension; Optic Nerve; Optic Nerve Sheath Fenestration; Papiiledema)

Patil H, Cho KI, Lee J, Yang Y, Orry A, Ferreira PA. Kinesin-1 and mitochondrial motility control by discrimination of structurally equivalent but distinct subdomains in ran-GTP-binding domains of ran-binding protein 2. Open Biol. 2013 Mar 27;3(3):120183 (Duke Univ. - Jules and Doris Stein RPB Prof.). Keyword(s): Other (Kinesin; Mitochondria; Ran GTPase; Ran-binding Protein 2)

Pearring JN, Salinas RY, Baker SA, Arshavsky VY. Protein sorting, targeting and trafficking in photoreceptor cells. Prog Retin Eye Res. 2013 Sep;36:24-51 (Duke Univ. – Unres. Grant). Keyword(s): Other (Outer Segment; Photoreceptor; Protein Targeting; Protein Trafficking)


EMORY UNIVERSITY

AMERICAN JOURNAL OF OPHTHALMOLOGY


INVESTIGATIVE OPHTHALMOLOGY AND VISUAL SCIENCE


**JAMA OPHTHALMOLOGY**

Chakrabarti R, Perera C. *Nonmydriatic digital ocular fundus photography with iPhone 3G.* JAMA Ophthalmol. 2013 Mar;131(3):405-6 (Emory Univ. - Unres. Grant). Keyword(s): Imaging

Grossniklaus HE. *Progression of ocular melanoma metastasis to the liver: The 2012 zimmerman lecture.* JAMA Ophthalmol. 2013 Apr;131(4):462-9 (Emory Univ. - Sr. Scientific Inv. Awd and Unres. Grant). Keyword(s): Ocular Oncology/Pterygium; Uveitis/Infectious Diseases

**OPHTHALMOLOGY**


**OTHER PROFESSIONAL PUBLICATIONS – UNITED STATES AND FOREIGN**


Chang JH, Hutchinson AK, Zhang M, Lambert SR. Strabismus surgery outcomes after scleral buckling procedures for retinal reattachment. Strabismus. 2013 Dec;21(4):235-41 (Emory Univ. – Unres. Grant). Keyword(s): Retinal Detachment; Strabismus/Ambylophia/Eye Movement Disorders


Couser NL, Hubbard GB, Lee LB, Hutchinson AK, Lambert SR. Candida species lens abscesses in infants with a history of neonatal candida sepsis. J AAPOS. 2013 Apr;17(2):208-10 (Emory Univ. - Unres. Grant). Keyword(s): Pediatric; Uveitis/Infectious Diseases


Herwig MC, Bergstrom C, Wells JR, Holler T, Grossniklaus HE. M2/M1 ratio of tumor associated macrophages and PPARGA expression in uveal melanomas with class 1 and class 2 molecular profiles. Exp Eye Res. 2013 Feb;107:52-8 (Emory Univ. - Sr. Scientific Inv. Awd and Unres. Grant). Keyword(s): Ocular Oncology/Pterygium


Lenhart PD, Evans CT, Beck AD, Lee WB. Visual outcome after descemet's stripping automated endothelial keratoplasty in an 8-month-old with congenital hereditary endothelial dystrophy. J AAPOS. 2013 Dec;17(6):637-9 (Emory Univ. – Unres. Grant). Keyword(s): Cornea; Pediatric


OTHER PROFESSIONAL PUBLICATIONS – UNITED STATES AND FOREIGN


Lei L, Tzekov R, McDowell JH, Smith WC, Tang S, Kaushal S. Formation of lipofuscin-like material in the RPE cell by different components of rod outer segments. Exp Eye Res. 2013 Jul;112:57-67 (Univ. of Florida - Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Retina/Retinal Diseases


Russell SR, Sohn EH, Boldt HC, Folk JC, Tarantola RM, Kay CN, Mahajan VB. Elimination of infusion bubbles and uncontrolled reflux in the alcon constellation vitrectomy vision system. Retina. 2013 Apr;33(4):803-6 (Univ. of Florida - Unres. Grant). Keyword(s): Retina/Retinal Diseases

Shan Z, Zubcevic J, Shi P, Jun JY, Dong Y, Murca TM, Lamont GJ, Cuadra A, Yuan W, Qi Y, Li Q, Paton JF, Katovich MJ, Summers C, Raizada MK. Chronic knockdown of the nucleus of the solitary tract AT1 receptors increases blood inflammatory-endothelial progenitor cell ratio and exacerbates hypertension in the spontaneously hypertensive rat. Hypertension. 2013 Jun;61(6):1328-33 (Univ. of Florida - Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Gene Research/Therapy


Tuli SY, Giordano BP, Kelly M, Fillipps D, Tuli SS. **Newborn with an absent red reflex.** J Pediatr Health Care. 2013 Jan;27(1):51-5 (Univ. of Florida - Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Cataract

Tuli SY, Kelly M, Giordano B, Fillipps DJ, Tuli SS. **Pain and decreased vision in a teenager.** J Pediatr Health Care. 2013 Jul-Aug;27(4):304-7 (Univ. of Florida - Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Uveitis/Infectious Diseases

Watson RS, Broome TA, Levings PP, Rice BL, Kay JD, Smith AD, Gouze E, Gouze JN, Dacanay EA, Hauswirth WW, Nickerson DM, Dark MJ, Colahan PT, Ghivizzani SC. **scAAV-mediated gene transfer of interleukin-1-receptor antagonist to synovium and articular cartilage in large mammalian joints.** Gene Ther. 2013 Jun;20(6):670-7 (Univ. of Florida - Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Gene Research/Therapy

Weitz AC, Behrend MR, Lee NS, Klein RL, Chiodo VA, Hauswirth WW, Humayun MS, Weiland JD, Chow RH. **Imaging the response of the retina to electrical stimulation with genetically encoded calcium indicators.** J Neurophysiol. 2013 Apr;109(7):1979-88 (Univ. of Florida - Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Gene Research/Therapy; Imaging


Zubcevic J, Jun JY, Lamont G, Murca TM, Shi P, Yuan W, Lin F, Carvajal JM, Li Q, Sumners C, Raizada MK, Shan Z. **Nucleus of the solitary tract (pro)renin receptor-mediated antihypertensive effect involves nuclear factor-kappaB-cytokine signaling in the spontaneously hypertensive rat.** Hypertension. 2013 Mar;61(3):622-7 (Univ. of Florida - Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Diabetic Retinopathy


Chen J, Smith LE. **Altered cholesterol homeostasis in aged macrophages linked to neovascular macular degeneration.** Cell Metab. 2013 Apr 2;17(4):471-2 (Harvard Medical School – Sr. Scientific Inv. Awd). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Retina/Retinal Diseases


Feke GT, Rhee DJ, Turalba AV, Pasquale LR. **Effects of dorzolamide-timolol and brimonidine-timolol on retinal vascular autoregulation and ocular perfusion pressure in primary open angle glaucoma.** J Ocul Pharmacol Ther. 2013 Sep;29(7):639-45 (Harvard Medical School – Physician-Scientist Awd). Keyword(s): Glaucoma; Retina/Retinal Diseases


Matsumoto H, Miller JW, Vavvas DG. **Retinal detachment model in rodents by subretinal injection of sodium hyaluronate.** J Vis Exp. 2013 Sep 11(79) (Harvard Medical School – Physician-Scientist Awd and Unres. Grant). Keyword(s): AMD; Retina/Retinal Diseases; Retinal Detachment


Dikopf MS, Chow CC, Mieler WF, Tu EY. Cataract extraction outcomes and the prevalence of zonular insufficiency in retinitis pigmentosa. Am J Ophthalmol. 2013 Jul;156(1):82-8.e2 (Univ. of Illinois – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Cataract; Retinitis Pigmentosa


Tu EY, Jain S. Topical linezolid 0.2% for the treatment of vancomycin-resistant or vancomycin-intolerant gram-positive bacterial keratitis. Am J Ophthalmol. 2013 Jun;155(6):1095-8.e1 (Univ. of Illinois – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Cornea


Park PJ, Antoine TE, Farooq AV, Valyi-Nagy T, Shukla D. **An investigative peptide-acyclovir combination to control herpes simplex virus type 1 ocular infection.** Invest Ophthalmol Vis Sci. 2013 Sep 27;54(9):6373-81 (Univ. of Illinois – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Cornea; Other (Herpes Simplex Virus)


Teng PY, Wanek J, Blair NP, Shahidi M. **Inner retinal oxygen extraction fraction in rat.** Invest Ophthalmol Vis Sci. 2013 Jan 21;54(1):647-51 (Univ. of Illinois – Sr. Scientific Inv. Awd and Unres. Grant). Keyword(s): Imaging; Retina/Retinal Diseases

Wanek J, Teng PY, Blair NP, Shahidi M. **Inner retinal oxygen delivery and metabolism under normoxia and hypoxia in rat.** Invest Ophthalmol Vis Sci. 2013 Jul 24;54(7):5012-9 (Univ. of Illinois – Sr. Scientific Inv. Awd and Unres. Grant). Keyword(s): Imaging; Retina/Retinal Diseases


**JAMA OPHTHALMOLOGY**


**OPHTHALMOLOGY**


Milani BY, Majdi M, Green W, Mehralian A, Moarefi M, Oh FS, Riddle JM, Djallilian AR. **The use of peer optic nerve photographs for teaching direct ophthalmoscopy.** Ophthalmology. 2013 Apr;120(4):761-5 (Univ. of Illinois – Career Development Awd and Unres. Grant). Keyword(s): Other (Ophthalmoscopy)
Antoine TE, Park PJ, Shukla D. Glycoprotein targeted therapeutics: A new era of anti-herpes simplex virus-1 therapeutics. Rev Med Virol. 2013 May;23(3):194-208 (Univ. of Illinois – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Cornea; Other (Herpes Simplex Virus)


Hadigal S, Shukla D. Exploiting herpes simplex virus entry for novel therapeutics. Viruses. 2013 Jun 10;5(6):1447-65 (Univ. of Illinois – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Cornea; Other (Herpes Simplex Virus)


Park PJ, Shukla D. Role of heparan sulfate in ocular diseases. Exp Eye Res. 2013 May;110:1-9 (Univ. of Illinois – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Cornea; Other (Herpes Simplex Virus)
Patel KH, Chow CC, Rathod R, Mieler WF, Lim JI, Ulanski LJ, Leiderman YI, Arun V, Chau FY. Rapid response of retinal pigment epithelial detachments to intravitreal aflibercept in neovascular age-related macular degeneration refractory to bevacizumab and ranibizumab. Eye (Lond). 2013 May;27(5):663-7; quiz 668 (Univ. of Illinois – Unres. Grant). Keyword(s): Retina/Retinal Diseases


Zhuang X, Cao D. Contrast magnitude and polarity effects on color filling-in along cardinal color axes. J Vis. 2013 Jun 28;13(7):19 (Univ. of Illinois – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Retina/Retinal Diseases

INVESTIGATIVE OPHTHALMOLOGY AND VISUAL SCIENCE


**JAMA OPHTHALMOLOGY**


**OPHTHALMOLOGY**


**OTHER PROFESSIONAL PUBLICATIONS – UNITED STATES AND FOREIGN**

Allen RC. Genetic diseases affecting the eyelids: What should a clinician know? Curr Opin Ophthalmol. 2013 Sep;24(5):463-77 (Univ. of Iowa - Unres. Grant). Keyword(s): Gene Research/Therapy; Plastic Surgery


Miri MS, Lee K, Niemeijer M, Abrâ Moff MD, Kwon YH, Garvin MK. Multimodal segmentation of optic disc and cup from stereo fundus and SD-OCT images. Proc SPIE. 2013 Mar;8669:86690O (Univ. of Iowa - Unres. Grant). Keyword(s): Glaucoma; Imaging

Russell SR, Sohn EH, Boldt HC, Folk JC, Tarantola RM, Kay CN, Mahajan VB. **Elimination of infusion bubbles and uncontrolled reflux in the alcon constellation vitrectomy vision system.** Retina. 2013 Apr;33(4):803-6 (Univ. of Iowa - Unres. Grant). Keyword(s): Retina/Retinal Diseases

Salvetat ML, Zeppieri M, Parisi L, Johnson CA, Sampaolesi R, Brusini P. **Learning effect and test-retest variability of pulsar perimetry.** J Glaucoma. 2013 Mar;22(3):230-7 (Univ. of Iowa - Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Glaucoma; Optic Neuropathy


Tarantola RM, Tsui JY, Graff JM, Russell SR, Boldt HC, Folk JC, Mahajan VB. **Intraoperative sclerotomy-related retinal breaks during 23-gauge pars plana vitrectomy.** Retina. 2013 Jan;33(1):136-42 (Univ. of Iowa - Career Development Awd and Unres. Grant). Keyword(s): Retina/Retinal Diseases


Tlucek PS, Folk JC, Sobol WM, Mahajan VB. **Surgical management of fibrotic encapsulation of the fluocinolone acetonide implant in CAPN5-associated proliferative vitreoretinopathy.** Clin Ophthalmol. 2013;7:1093-8 (Univ. of Iowa - Career Development Awd and Unres. Grant). Keyword(s): Gene Research/Therapy; Retina/Retinal Diseases

Tucker BA, Anfinson KR, Mullins RF, Stone EM, Young MJ. **Use of a synthetic xeno-free culture substrate for induced pluripotent stem cell induction and retinal differentiation.** Stem Cells Transl Med. 2013 Jan;2(1):16-24 (Univ. of Iowa - Unres. Grant). Keyword(s): Retina/Retinal Diseases; Stem Cell Research/Therapy

Watzke RC, Folk JC, Lauer AK. **Foveal involvement by acquired retinoschisis: Long-term visual outcomes.** Retina. 2013 Mar;33(3):606-12 (Univ. of Iowa - Unres. Grant). Keyword(s): Retina/Retinal Diseases


INVESTIGATIVE OPHTHALMOLOGY AND VISUAL SCIENCE


El-Gasim M, Munoz B, West SK, Scott AW. Associations between self-rated vision score, vision tests, and self-reported visual function in the salisbury eye evaluation study. Invest Ophthalmol Vis Sci. 2013 Sep 27;54(9):6439-45 (Johns Hopkins Univ. – Sr. Scientific Inv. Awd). Keyword(s): Epidemiology; Other (Visual Function)


Rao P, Munoz B, Turano K, Munro C, West SK. The decline in attentional visual fields over time among older participants in the salisbury eye evaluation driving study. Invest Ophthalmol Vis Sci. 2013 Mar 13;54(3):1839-44 (Johns Hopkins Univ. – Sr. Scientific Inv. Awd). Keyword(s): Low Vision; Other (Driving; Visual Fields)


JAMA OPHTHALMOLOGY

Gower EW, West SK, Harding JC, Cassard SD, Munoz BE, Othman MS, Kello AB, Merbs SL. Trachomatous trichiasis clamp vs standard bilamellar tarsal rotation instrumentation for trichiasis surgery: Results of a randomized clinical trial. JAMA Ophthalmol. 2013 Mar;131(3):294-301 (Johns Hopkins Univ. – Ernest and Elizabeth Althouse Scholar and Sr. Scientific Inv. Awd). Keyword(s): Uveitis/Infectious Diseases; Other (Trachoma)

OPHTHALMOLOGY


OTHER PROFESSIONAL PUBLICATIONS – UNITED STATES AND FOREIGN


Ebrahimi KB, Fijalkowski N, Cano M, Handa JT. Decreased membrane complement regulators in the retinal pigmented epithelium contributes to age-related macular degeneration. J Pathol. 2013 Apr;229(5):729-42 (Johns Hopkins Univ. – Sr. Scientific Inv. Awd). Keyword(s): AMD; Retina/Retinal Diseases


Gower EW, Silverman E, Cassard SD, Williams SK, Baldonado K, Friedman DS. Barriers to attending an eye examination after vision screening referral within a vulnerable population. J Health Care Poor Underserved. 2013 Aug;24(3):1042-52 (Johns Hopkins Univ. – Ernest and Elizabeth Althouse Scholar). Keyword(s): Other (Vision Screening)


Keay L, Munoz B, Duncan DD, Hahn D, Baldwin K, Turano KA, Munro CA, Bandeen-Roche K, West SK. Older drivers and rapid deceleration events: Salisbury eye evaluation driving study. Accid Anal Prev. 2013 Sep;58:279-85 (Johns Hopkins Univ. – Sr. Scientific Inv. Awd). Keyword(s): Epidemiology; Other (Driving; Vision)


Swenor BK, Ramulu PY, Willis JR, Friedman D, Lin FR. The prevalence of concurrent hearing and vision impairment in the united states. JAMA Intern Med. 2013 Feb 25;173(4):312-3 (Johns Hopkins Univ. – Special Scholar Awd). Keyword(s): Epidemiology; Other (Hearing Loss; Visual Impairment)

Tian J, Ying HS, Zee DS. Revisiting corrective saccades: Role of visual feedback. Vision Res. 2013 Aug 30;89:54-64 (Johns Hopkins Univ. – Walt and Lilly Disney Awd). Keyword(s): Strabismus/Amblyopia/Eye Movement Disorders


Wei Y, Gong J, Thimmulappa RK, Kosmider B, Biswal S, Duh EJ. Nrf2 acts cell-autonomously in endothelium to regulate tip cell formation and vascular branching. Proc Natl Acad Sci U S A. 2013 Oct 8;110(41):E3910-8 (Johns Hopkins Univ. – Career Development Awd). Keyword(s): Diabetic Retinopathy; Gene Research/Therapy


Xu Q, Boylan NJ, Suk JS, Wang YY, Nance EA, Yang JC, McDonnell PJ, Cone RA, Duh EJ, Hanes J. **Nanoparticle diffusion in, and microrheology of, the bovine vitreous ex vivo.** J Control Release. 2013 Apr 10;167(1):76-84 (Johns Hopkins Univ. – Career Development Awd and Unres. Grant). Keyword(s): Nanotechnology/Drug Delivery; Other (Vitreous Body)

Zhang L, Wahlin K, Li Y, Masuda T, Yang Z, Zack DJ, Esumi N. **RIT2, a neuron-specific small guanosine triphosphatase, is expressed in retinal neuronal cells and its promoter is modulated by the POU4 transcription factors.** Mol Vis. 2013 Jun 17;19:1371-86 (Johns Hopkins Univ. – Unres. Grant). Keyword(s): Gene Research/Therapy; Retina/Retinal Diseases

**OTHER PROFESSIONAL PUBLICATIONS – UNITED STATES AND FOREIGN**


Kleinman ME, Ambati J. **Clocking in on diabetic retinopathy.** Diabetes. 2013 Jan;62(1):29-30 (Univ. of Kentucky – Career Development Awd and Unres. Grant). Keyword(s): Diabetic Retinopathy

Cortina MS, He J, Russ T, Bazan NG, Bazan HE. **Neuroprotectin D1 restores corneal nerve integrity and function after damage from experimental surgery.** Invest Ophthalmol Vis Sci. 2013 Jun 12;54(6):4109-16 (Louisiana State Univ. - Unres. Grant). Keyword(s): Cornea


**OTHER PROFESSIONAL PUBLICATIONS – UNITED STATES AND FOREIGN**

Bai S, Sheline CR, Zhou Y, Sheline CT. **A reduced zinc diet or zinc transporter 3 knockout attenuate light induced zinc accumulation and retinal degeneration.** Exp Eye Res. 2013 Mar;108:59-67 (Louisiana State Univ. - Unres. Grant). Keyword(s): Retina/Retinal Diseases


He J, Bazan HE. **Corneal nerve architecture in a donor with unilateral epithelial basement membrane dystrophy.** Ophthalmic Res. 2013;49(4):185-91 (Louisiana State Univ. - Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Cornea


Jacob JT. **Biocompatibility in the development of silicone-hydrogel lenses.** Eye Contact Lens. 2013 Jan;39(1):13-9 (Louisiana State Univ. - Unres. Grant). Keyword(s): Cornea

Li S, Yang Z, Hu J, Gordon WC, Bazan NG, Haas AL, Bok D, Jin M. **Secretory defect and cytotoxicity: The potential disease mechanisms for the retinitis pigmentosa (RP)-associated interphotoreceptor retinoid-binding protein (IRBP).** J Biol Chem. 2013 Apr 19;288(16):11395-406 (Louisiana State Univ. - Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Retinitis Pigmentosa


Sheets KG, Jun B, Zhou Y, Zhu M, Petasis NA, Gordon WC, Bazan NG. **Microglial ramification and redistribution concomitant with the attenuation of choroidal neovascularization by neuroprotectin D1.** Mol Vis. 2013 Aug 4;19:1747-59 (Louisiana State Univ. - Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Retina/Retinal Diseases
Liang D, Zuo A, Shao H, Born WK, O'Brien RL, Kaplan HJ, Sun D. Retinoic acid inhibits CD25+ dendritic cell expansion and gammadelta T-cell activation in experimental autoimmune uveitis. Invest Ophthalmol Vis Sci. 2013 May 1;54(5):3493-503 (Univ. of Louisville - Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Uveitis/Infectious Diseases

Umazume K, Liu L, Scott PA, de Castro JP, McDonald K, Kaplan HJ, Tamiya S. Inhibition of PVR with a tyrosine kinase inhibitor, dasatinib, in the swine. Invest Ophthalmol Vis Sci. 2013 Feb 1;54(2):1150-9 (Univ. of Louisville - Unres. Grant). Keyword(s): Retina/Retinal Diseases; Retinal Detachment

OTHER PROFESSIONAL PUBLICATIONS – UNITED STATES AND FOREIGN


Borchman D, Yappert MC, Milliner SE, Smith RJ, Bhola R. Confirmation of the presence of squalene in human eyelid lipid by heteronuclear single quantum correlation spectroscopy. Lipids. 2013 Dec;48(12):1269-77 (Univ. of Louisville - Unres. Grant). Keyword(s): Cornea; Dry Eye


Fernandez de Castro JP, Mullins RF, Manea AM, Hernandez J, Wallen T, Kuehn MH. Lipofuscin in human glaucomatous optic nerves. Exp Eye Res. 2013 Jun;111:61-6 (Univ. of Louisville - Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Glaucoma


Kishore SA, Schaal S. Management of anterior chamber dislocation of dexamethasone implant. Ocul Immunol Inflamm. 2013;21(1):90-1 (Univ. of Louisville - Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Retina/Retinal Diseases; Uveitis/Infectious Diseases

Liang D, Zuo A, Shao H, Born WK, O’Brien RL, Kaplan HJ, Sun D. IL-23 receptor expression on gammadelta T cells correlates with their enhancing or suppressive effects on autoreactive T cells in experimental autoimmune uveitis. J Immunol. 2013 Aug 1;191(3):1118-25 (Univ. of Louisville - Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Uveitis/Infectious Diseases


Liu Y, Sanchez-Tillo E, Lu X, Clem B, Telang S, Jenson AB, Cuatrecasas M, Chesney J, Postigo A, Dean DC. Sequential inductions of the ZEB1 transcription factor caused by mutation of rb and then ras proteins are required for tumor initiation and progression. J Biol Chem. 2013 Apr 19;288(16):11572-80 (Univ. of Louisville - Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Stem Cell Research/Therapy


Sonmez K, Tezel TH, Kaplan HJ. The role of macular hydration in the evaluation of the effect of intravitreal triamcinolone on visual acuity in eyes with diabetic macular edema. Int Ophthalmol. 2013 Feb;33(1):15-25 (Univ. of Louisville - Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Diabetic Retinopathy; Retina/Retinal Diseases


MAYO MEDICAL SCHOOL

AMERICAN JOURNAL OF OPHTHALMOLOGY


INVESTIGATIVE OPHTHALMOLOGY AND VISUAL SCIENCE


JAMA OPHTHALMOLOGY


OPHTHALMOLOGY


Repp DJ, Hodge DO, Baratz KH, McLaren JW, Patel SV. Fuchs’ endothelial corneal dystrophy: Subjective grading versus objective grading based on the central-to-peripheral thickness ratio. Ophthalmology. 2013 Apr;120(4):687-94 (Mayo Medical School – Unres. Grant). Keyword(s): Cornea

OTHER PROFESSIONAL PUBLICATIONS – UNITED STATES AND FOREIGN


UNIVERSITY OF MIAMI

AMERICAN JOURNAL OF OPHTHALMOLOGY


INVESTIGATIVE OPHTHALMOLOGY AND VISUAL SCIENCE


Chou TH, Park KK, Luo X, Porciatti V. Retrograde signaling in the optic nerve is necessary for electrical responsiveness of retinal ganglion cells. Invest Ophthalmol Vis Sci. 2013 Feb 1;54(2):1236-43 (Univ. of Miami – Unres. Grant). Keyword(s): Optic Neuropathy


See C, Bilonick RA, Feuer W, Galor A. **Comparison of two methods for composite score generation in dry eye syndrome.** Invest Ophthalmol Vis Sci. 2013 Sep 19;54(9):6280-6 (Univ. of Miami – Unres. Grant). Keyword(s): Dry Eye


**JAMA OPHTHALMOLOGY**


Crane AM, Weiss M, Galor A. **Anterior chamber angiostrongyliasis.** JAMA Ophthalmol. 2013 Jul;131(7):951-2 (Univ. of Miami – Unres. Grant). Keyword(s): Other (Angiostrongyliasis)

Emanuelli A, Smiddy WE. **Management of 2 intraocular lenses in the same eye.** JAMA Ophthalmol. 2013 Jan;131(1):86-7 (Univ. of Miami – Unres. Grant). Keyword(s): Cataract

Goldberg JL. How to measure vision in glaucoma. JAMA Ophthalmol. 2013 Dec 1;131(12):1563-4 (Univ. of Miami – Unres. Grant). Keyword(s): Glaucoma


**OPHTHALMOLOGY**


Chao DL, Albini TA, McKeown CA, Cauvuto KM. **Infectious pseudomonas scleritis after strabismus surgery.** J AAPOS. 2013 Aug;17(4):423-5 (Univ. of Miami – Unres. Grant). Keyword(s): Strabismus/Amblyopia/Eye Movement Disorders


Davis JL. **Intraocular lymphoma: A clinical perspective.** Eye (Lond). 2013 Feb;27(2):153-62 (Univ. of Miami – Unres. Grant). Keyword(s): Ocular Oncology/Pterygium

Davis JL, Haft P, Hartley K. **Retinal arteriolar occlusions due to cytomegalovirus retinitis in elderly patients without HIV.** J Ophthalmic Inflam Infect. 2013 Jan 21;3(1):17,5760-3-17 (Univ. of Miami – Unres. Grant). Keyword(s): Uveitis/Infectious Diseases


Enriquez-Algeciras M, Ding D, Mastronardi FG, Marc RE, Porciatti V, Bhattacharya SK. **Deimination restores inner retinal visual function in murine demyelinating disease.** J Clin Invest. 2013 Feb 1;123(2):646-56 (Univ. of Miami – Career Development Awd and Unres. Grant). Keyword(s): Optic Neuropathy


Grant J, Tran V, Bhattacharya SK, Bianchi L. **Ionic currents of human trabecular meshwork cells from control and glaucoma subjects.** J Membr Biol. 2013 Feb;246(2):167-75 (Univ. of Miami – Career Development Awd). Keyword(s): Glaucoma


Knape RM, Sayyad FE, Davis JL. Moxifloxacin and bilateral acute iris transillumination. J Ophthalmic Inflamm Infect. 2013 Jan 14;3(1) (Univ. of Miami – Unres. Grant). Keyword(s): Uveitis/Infectious Diseases


Moshirfar M, Simpson RG, Dave SB, Christiansen SM, Edmonds JN, Culbertson WW, Pascucci SE, Sher NA, Cano DB, Trattler WB. **Sources of medical error in refractive surgery.** J Refract Surg. 2013 May;29(5):303-10 (Univ. of Miami – Unres. Grant). Keyword(s): Cornea


Nunes RP, Gregori G, Yehoshua Z, Stetson PF, Feuer W, Moshfeghi AA, Rosenfeld PJ. **Predicting the progression of geographic atrophy in age-related macular degeneration with SD-OCT en face imaging of the outer retina.** Ophthalmic Surg Lasers Imaging Retina. 2013 Jul-Aug;44(4):344-59 (Univ. of Miami – Unres. Grant). Keyword(s): AMD; Imaging


Patel AK, Hackam AS. **Toll-like receptor 3 (TLR3) protects retinal pigmented epithelium (RPE) cells from oxidative stress through a STAT3-dependent mechanism.** Mol Immunol. 2013 Jun;54(2):122-31 (Univ. of Miami – Unres. Grant). Keyword(s): Gene Research/Therapy


Penha FM, Gregori G, Yehoshua Z, Feuer WJ, Rosenfeld PJ. **Identifying the boundaries of retinal pigment epithelial detachments using two spectral-domain optical coherence tomography instruments.** Ophthalmic Surg Lasers Imaging Retina. 2013 Jan-Feb;44(1):10-6 (Univ. of Miami – Unres. Grant). Keyword(s): AMD


Perez VL, Saeed AM, Tan Y, Urbieta M, Cruz-Guilloty F. **The eye: A window to the soul of the immune system.** J Autoimmun. 2013 Sep;45:7-14 (Univ. of Miami – Unres. Grant). Keyword(s): Gene Research/Therapy

Pita-Thomas DW, Goldberg JL. **Nanotechnology and glaucoma: Little particles for a big disease.** Curr Opin Ophthalmol. 2013 Mar;24(2):130-5 (Univ. of Miami – Unres. Grant). Keyword(s): Nanotechnology/Drug Delivery


Schwartz SG, Flynn HW Jr, Mieler WF. **Update on retinal detachment surgery.** Curr Opin Ophthalmol. 2013 May;24(3):255-61 (Univ. of Miami – Unres. Grant). Keyword(s): Retinal Detachment


Tzu JH, Flynn HW,Jr, Berrocal AM, Smiddy WE, Murray TG, Fisher YL. **Clinical manifestations of optic pit maculopathy as demonstrated by spectral domain optical coherence tomography.** Clin Ophthalmol. 2013;7:167-72 (Univ. of Miami – Unres. Grant). Keyword(s): Imaging, Retina/Retinal Diseases


Weinstein JE, Karp CL. **Ocular surface neoplasias and human immunodeficiency virus infection.** Curr Opin Infect Dis. 2013 Feb;26(1):58-65 (Univ. of Miami – Unres. Grant). Keyword(s): Ocular Oncology/Pterygium

Wen R, Lam BL, Guan Z. **Aberrant dolichol chain lengths as biomarkers for retinitis pigmentosa caused by impaired dolichol biosynthesis.** J Lipid Res. 2013 Dec;54(12):3516-22 (Univ. of Miami – Unres. Grant). Keyword(s): Gene Research/Therapy; Retinitis Pigmentosa


Leinberger RL, Janz NK, Musch DC, Niziol LM, Gillespie BW. Discussing driving concerns with older patients: I. vision care providers’ attitudes and behaviors. JAMA Ophthalmol. 2013 Feb;131(2):205-12 (Univ. of Michigan – Sr. Scientific Inv. Awd). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Low Vision

Musch DC, Janz NK, Leinberger RL, Niziol LM, Gillespie BW. Discussing driving concerns with older patients II. vision care providers’ approaches to assessment. JAMA Ophthalmol. 2013 Feb;131(2):213-8 (Univ. of Michigan – Sr. Scientific Inv. Awd). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Low Vision

**OPHTHALMOLOGY**


**OTHER PROFESSIONAL PUBLICATIONS – UNITED STATES AND FOREIGN**

Bohnsack BL, Kahana A. *Thyroid hormone and retinoic acid interact to regulate zebrafish craniofacial neural crest development.* Dev Biol. 2013 Jan 15;373(2):300-9 (Univ. of Michigan – Career Development Awd). Keyword(s): Thyroid Ophthalmology


Li B, Smith TJ. *Divergent expression of IL-1 receptor antagonists in CD34(+) fibrocytes and orbital fibroblasts in thyroid-associated ophthalmopathy: Contribution of fibrocytes to orbital inflammation.* J Clin Endocrinol Metab. 2013 Jul;98(7):2783-90 (Univ. of Michigan - Unres. Grant). Keyword(s): Thyroid Ophthalmology


VanderBeek BL, Zacks DN, Talwar N, Nan B, Stein JD. Role of statins in the development and progression of age-related macular degeneration. Retina. 2013 Feb;33(2):414-22 (Univ. of Michigan – Physician-Scientist Awd). Keyword(s): Retina/Retinal Diseases


Carrigan AK, DuBois LG, Becker ER, Lambert SR, Infant Aphakia Treatment Study Group. Cost of intraocular lens versus contact lens treatment after unilateral congenital cataract surgery: Retrospective analysis at age 1 year. Ophthalmology. 2013 Jan;120(1):14-9 (Univ. of Minnesota - Unres. Grant). Keyword(s): Cataract; Pediatric; Other (Infant Aphakia Treatment Study)

Kaufman SC, Jacobs DS, Lee WB, Deng SX, Rosenblatt MI, Shtein RM. Options and adjuvants in surgery for pterygium: A report by the american academy of ophthalmology. Ophthalmology. 2013 Jan;120(1):201-8 (Univ. of Minnesota - Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Cornea


Breunig A, Lee MS, Miller BS, Binstadt BA, Anderson MS, Montezuma S. Autoimmune retinopathy in a patient with autoimmune polyendocrine syndrome type I. Ocul Immunol Inflamm. 2013 Apr;21(2):153-7 (Univ. of Minnesota - Unres. Grant). Keyword(s): Retina/Retinal Diseases


Hebert SL, Daniel ML, McLoon LK. **The role of Pitx2 in maintaining the phenotype of myogenic precursor cells in the extraocular muscles.** PLoS One. 2013;8(3):e58405 (Univ. of Minnesota - Unres. Grant). Keyword(s): Pediatric; Stem Cell Research/Therapy

Hendriksz CJ, Al-Jawad M, Berger KL, Hawley SM, Lawrence R, Mc Ardle C, Summers CG, Wright E, Braunlin E. **Clinical overview and treatment options for non-skeletal manifestations of mucopolysaccharidosis type IVA.** J Inherit Metab Dis. 2013 Mar;36(2):309-22 (Univ. of Minnesota - Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Low Vision; Retina/Retinal Diseases; Other (MPS type IVA)


McPherson SW, Heuss ND, Gregerson DS. **Local "on-demand" generation and function of antigen-specific Foxp3+ regulatory T cells.** J Immunol. 2013 May 15;190(10):4971-81 (Univ. of Minnesota - Unres. Grant). Keyword(s): Retina/Retinal Diseases; Uveitis/Infectious Diseases

O'Neill J, Grinager H, Smith SD, Sibley S, Harrison AR, Lee MS. **Isopropyl alcohol skin antisepsis does not reduce incidence of infection following insulin injection.** Am J Infect Control. 2013 Aug;41(8):755-6 (Univ. of Minnesota - Unres. Grant). Keyword(s): Epidemiology; Nanotechnology/Drug Delivery; Other (Complications of Treatment; Infection Control)

Page MA, Mathers WD. **Acanthamoeba keratitis: A 12-year experience covering a wide spectrum of presentations, diagnoses, and outcomes.** J Ophthalmol. 2013;2013:670242 (Univ. of Minnesota - Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Cornea; Epidemiology; Uveitis/Infectious Diseases

Quinn GE, Dobson V, Davitt BV, Wallace DK, Hardy RJ, Tung B, Lai D, Good WV, Early Treatment for Retinopathy of Prematurity Cooperative Group. **Progression of myopia and high myopia in the early treatment for retinopathy of prematurity study: Findings at 4 to 6 years of age.** J AAPOS. 2013 Apr;17(2):124-8 (Univ. of Minnesota - Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Low Vision; Myopia/Presbyopia; Retina/Retinal Diseases

Radke P, Schimmenti LA, Schoonveld C, Bothun ED, Summers CG. **The unique association of iris heterochromia with hermansky-pudlak syndrome.** J AAPOS. 2013 Oct;17(5):542-4 (Univ. of Minnesota - Unres. Grant). Keyword(s): Low Vision; Other (Hermansky-Pudlak Syndrome)

Ringeisen AL, Schimmenti LA, White JG, Schoonveld C, Summers CG. **Hermansky-pudlak syndrome (HPSS) in a nonagenarian.** J AAPOS. 2013 Jun;17(3):334-6 (Univ. of Minnesota - Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Low Vision; Retina/Retinal Diseases; Other (Hermansky-Pudlak Syndrome)
Schneider EW, Elner SG, van Kuijk FJ, Goldberg N, Lieberman RM, Eliott D, Johnson MW. Chronic retinal necrosis: Cytomegalovirus necrotizing retinitis associated with panretinal vasculopathy in non-HIV patients. Retina. 2013 Oct;33(9):1791-9 (Univ. of Minnesota - Unres. Grant). Keyword(s): Imaging; Retina/Retinal Diseases; Retinal Vein and Artery Occlusion

Siatkowski RM, Good WV, Summers CG, Quinn GE, Tung B. Clinical characteristics of children with severe visual impairment but favorable retinal structural outcomes from the early treatment for retinopathy of prematurity (ETROP) study. J AAPOS. 2013 Apr;17(2):129-34 (Univ. of Minnesota - Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Low Vision; Pediatric; Retina/Retinal Diseases


Weise KK, Kaminski B, Melia M, Repka MX, Bradfield YS, Davitt BV, Johnson DA, Kraker RT, Manny RE, Matta NS, Schloff S, Pediatric Eye Disease Investigator Group. Intraobserver reliability of contact pachymetry in children. J AAPOS. 2013 Apr;17(2):144-8 (Univ. of Minnesota - Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Cornea; Pediatric


Soni C, Hainsworth DP, Almony A. Surgical management of rhegmatogenous retinal detachment: A meta-analysis of randomized controlled trials. Ophthalmology. 2013 Jul;120(7):1440-7 (Univ. of Missouri – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Retinal Detachment


Mohan RR, Rodier JT, Sharma A. Corneal gene therapy: Basic science and translational perspective. Ocul Surf. 2013 Jul;11(3):150-64 (Univ. of Missouri – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Cornea; Gene Research/Therapy


Upadhya D, Ogata M, Reneker LW. MAPK1 is required for establishing the pattern of cell proliferation and for cell survival during lens development. Development. 2013 Apr;140(7):1573-82 (Univ. of Missouri – Unres. Grant). Keyword(s): Pediatric (Lens Development)
Grillo SL, Keereetawee J, Grillo MA, Chapman KD, Koulen P. **N-palmitoylethanolamine depot injection increased its tissue levels and those of other acylethanolamide lipids.** Drug Des Devel Ther. 2013 Aug 12;7:747-52 (Univ. of Missouri-Kansas City – Challenge Grant). Keyword(s): Glaucoma

Payne AJ, Gerdes BC, Naumchuk Y, McCalley AE, Kaja S, Koulen P. **Presenilins regulate the cellular activity of ryanodine receptors differentially through isotype-specific N-terminal cysteines.** Exp Neurol. 2013 Sep 9;250C:143-50 (Univ. of Missouri-Kansas City – Challenge Grant). Keyword(s): Neuro-Ophthalmology; Optic Neuropathy; Retina/Retinal Diseases

Prokai-Tatrai K, Xin H, Nguyen V, Szarka S, Blazics B, Prokai L, Koulen P. **17beta-estradiol eye drops protect the retinal ganglion cell layer and preserve visual function in an in vivo model of glaucoma.** Mol Pharm. 2013 Aug 5;10(8):3253-61 (Univ. of Missouri-Kansas City – Challenge Grant). Keyword(s): Glaucoma

**OTHER PROFESSIONAL PUBLICATIONS – UNITED STATES AND FOREIGN**

Alvarez LJ, Zamudio AC, Candia OA. *Sildenafil stimulates aqueous humor turnover in rabbits*. Exp Eye Res. 2013 Jun;111:67-70 (Mount Sinai School of Medicine, New York - Unres. Grant). Keyword(s): Glaucoma


Storm JE, Mazor KA, Shost SJ, Serle J, Aldous KM, Blount BC. *Socioeconomic disparities in indoor air, breath, and blood perchloroethylene level among adult and child residents of buildings with or without a dry cleaner*. Environ Res. 2013 Apr;122:88-97 (Mount Sinai School of Medicine, New York - Unres. Grant). Keyword(s): Other (Perchloroethylene)

Wei Y, Du Z, Chen D, Afreen J, Chen V, Asbell P. *The role of the secretory group IIa phospholipase A2 (sPLA2-IlA) in ocular surface inflammation*. JSM Ophthalmol. 2013;1:1005 (Mount Sinai School of Medicine, New York - Unres. Grant). Keyword(s): Dry Eye


UNIVERSITY OF NEBRASKA
INVESTIGATIVE OPHTHALMOLOGY AND VISUAL SCIENCE


JAMA OPHTHALMOLOGY


DO DV. Implications of the comparisons of age-related macular degeneration treatments trials on clinical practice: What have we learned? Ophthalmology. 2013 May;120(5 Suppl):S8-10 (Univ. of Nebraska – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): AMD

Nguyen QD, Do DV, Haller JA, Heier JS, Kaiser PK. Putting theories and results into practice: Managing cases. Ophthalmology. 2013 May;120(5 Suppl):S16-22 (Univ. of Nebraska – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): AMD

OTHER PROFESSIONAL PUBLICATIONS – UNITED STATES AND FOREIGN

Baid R, Upadhyay AK, Shinohara T, Kompella UB. Biosynthesis, characterization, and efficacy in retinal degenerative diseases of lens epithelium-derived growth factor fragment (LEDGF1-326), a novel therapeutic protein. J Biol Chem. 2013 Jun;288(24):17372-83 (Univ. of Nebraska – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): AMD; Retinitis Pigmentosa

Bhargavan B, Chhunchha B, Fatma N, Kubo E, Kumar A, Singh DP. Epigenetic repression of LEDGF during UVB exposure by recruitment of SUV39H1 and HDAC1 to the Sp1-responsive elements within LEDGF promoter CpG island. Epigenetics. 2013 Mar;8(3):268-80 (Univ. of Nebraska – Unres. Grant). Keyword(s): Other (Epigenetics; LEDGF)


Del Debbio CB, Peng X, Xiong H, Ahmad I. Adult ciliary epithelial stem cells generate functional neurons and differentiate into both early and late born retinal neurons under non-cell autonomous influences. BMC Neurosci. 2013 Oct 22;14(1):130 (Univ. of Nebraska – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Retina/Retinal Diseases; Stem Cell Research/Therapy

Falavarjani KG, Nguyen QD. Adverse events and complications associated with intravitreal injection of anti-VEGF agents: A review of literature. Eye (Lond). 2013 Jul;27(7):787-94 (Univ. of Nebraska – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Retina/Retinal Diseases


Jang HS, Sepah YJ, Sophie R, Bittencourt MG, Ferraz D, Hanout M, Liu H, Do DV, Nguyen QD. Longitudinal spectral domain optical coherence tomography changes in eyes with intraocular lymphoma. J Ophthalmic Inflamm Infect. 2013 Sep 8;3(1):59,5760-3-59 (Univ. of Nebraska – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Other (Ocular Lymphoma)

Jasper S, Vedula SS, John SS, Horo S, Sepah YJ, Nguyen QD. Corticosteroids as adjuvant therapy for ocular toxoplasmosis. Cochrane Database Syst Rev. 2013 Apr 30;4:CD007417 (Univ. of Nebraska – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Other (Corticosteroids)


Mercer AJ, Thoreson WB. Tracking quantum dot-tagged calcium channels at vertebrate photoreceptor synapses: Retinal slices and dissociated cells. Curr Protoc Neurosci. 2013 Jan;Chapter 2:Unit 2.18 (Univ. of Nebraska – Unres. Grant). Keyword(s): Other (Ribbon Synapse)


Shulman M, Sepah YJ, Chang S, Abrams GW, Do DV, Nguyen QD. Management of retained subretinal perfluorocarbon liquid. Ophthalmic Surg Lasers Imaging Retina. 2013 Nov 1;44(6):577-83 (Univ. of Nebraska – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Retinal Detachment, Other (Perfluorocarbon Fluid)


Van Hook MJ, Thoreson WB. Simultaneous whole-cell recordings from photoreceptors and second-order neurons in an amphibian retinal slice preparation. J Vis Exp. 2013 Jun 1(76) (Univ. of Nebraska – Unres. Grant). Keyword(s): Retina/Retinal Diseases


Burke TR, Yzer S, Zernant J, Smith RT, Tsang SH, Allikmets R. *Abnormality in the external limiting membrane in early stargardt disease.* Ophthalmic Genet. 2013 Mar-Jun;34(1-2):75-7 (New York Univ. School of Medicine – Challenge Grant). Keyword(s): Imaging; Macular Dystrophy (Stargardt Disease); Retina/Retinal Diseases

UNIVERSITY OF NORTH CAROLINA

INVESTIGATIVE OPHTHALMOLOGY AND VISUAL SCIENCE


JAMA OPHTHALMOLOGY


OTHER PROFESSIONAL PUBLICATIONS – UNITED STATES AND FOREIGN


Blair MP, Ulrich JN, Elizabeth Hartnett M, Shapiro MJ. Peripheral retinal nonperfusion in fellow eyes in coats disease. Retina. 2013 Sep;33(8):1694-9 (Univ. of North Carolina - Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Retina/Retinal Diseases


Chavala SH, Williamson JF. Bilateral exudative retinal detachments in sturge-weber syndrome. Lancet. 2013 Jul 20;382(9888):259 (Univ. of North Carolina – Career Development Awd and Unres. Grant). RPB support has been omitted by the publisher. Keyword(s): Retina/Retinal Diseases

Chavala SH, Williamson JF. Retinal arteriolar tortuosity and artery occlusion. Lancet. 2013 Nov 16;382(9905):1655 (Univ. of North Carolina – Career Development Awd and Unres. Grant). RPB support has been omitted by the publisher. Keyword(s): Retinal Vein and Artery Occlusion

Dutton JJ. Institutional review boards, declaration of helsinki, and HIPAA regulations. Ophthal Plast Reconstr Surg. 2013 Sep;29(5):335-40 (Univ. of North Carolina - Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Other (Ethics)

Ellis BL, Hirsch ML, Barker JC, Connelly JP, Steininger RJ,3rd, Porteus MH. A survey of ex vivo/in vitro transduction efficiency of mammalian primary cells and cell lines with nine natural adeno-associated virus (AAV1-9) and one engineered adeno-associated virus serotype. Virol J. 2013 Mar 6;10:74 (Univ. of North Carolina - Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Gene Research/Therapy

Escaravage GK, Jr, Dutton JJ. Age-related changes in the pediatric human orbit on CT. Ophthal Plast Reconstr Surg. 2013 May-Jun;29(3):150-6 (Univ. of North Carolina - Unres. Grant). Keyword(s): Imaging; Pediatric


Gadalla KK, Bailey ME, Spike RC, Ross PD, Woodard KT, Kalburgi SN, Bachaboina L, Deng JV, West AE, Samulski RJ, Gray SJ, Cobb SR. Improved survival and reduced phenotypic severity following AAV9/MCP2 gene transfer to neonatal and juvenile male Mecp2 knockout mice. Mol Ther. 2013 Jan;21(1):18-30 (Univ. of North Carolina - Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Gene Research/Therapy
Goodrich LR, Phillips JN, Mcllwraith CW, Foti SB, Grieger JC, Gray SJ, Samulski RJ. **Optimization of scAAV1-1ra in vitro and in vivo to deliver high levels of therapeutic protein for treatment of osteoarthritis.** Mol Ther Nucleic Acids. 2013 Feb 5;2:e70 (Univ. of North Carolina - Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Gene Research/Therapy

Gray SJ. **Gene therapy and neurodevelopmental disorders.** Neuropharmacology. 2013 May;68:136-42 (Univ. of North Carolina - Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Gene Research/Therapy


He Y, Weinberg MS, Hirsch M, Johnson MC, Tisch R, Samulski RJ, Li C. **Kinetics of adeno-associated virus serotype 2 (AAV2) and AAV8 capsid antigen presentation in vivo are identical.** Hum Gene Ther. 2013 May;24(5):545-53 (Univ. of North Carolina - Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Gene Research/Therapy


Hirsch ML, Li C, Bellon I, Yin C, Chavala S, Pryadkina M, Richard I, Samulski RJ. **Oversized AAV transduction is mediated via a DNA-PKcs-independent, Rad51C-dependent repair pathway.** Mol Ther. 2013 Dec;21(12):2205-16 (Univ. of North Carolina - Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Gene Research/Therapy


Lawrence SD, Netland PA. **Gamma-irradiated cornea allograft for glaucoma surgery.** J Glaucoma. 2013 Jun-Jul;22(5):355-7 (Univ. of North Carolina - Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Glaucoma

Li C, He Y, Nicolson S, Hirsch M, Weinberg MS, Zhang P, Kafri T, Samulski RJ. **Adeno-associated virus capsid antigen presentation is dependent on endosomal escape.** J Clin Invest. 2013 Mar 1;123(3):1390-401 (Univ. of North Carolina - Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Gene Research/Therapy

Luabeya MK, Mwanza JC, Mukendi KM, Tshala-Katumbay D. APRONES: Neurology research and education in the democratic republic of the congo. Neurology. 2013 May 7;80(19):1806-7 (Univ. of North Carolina - Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Other (Neurology)


Ni A, Wu MJ, Nakanishi Y, Chavala SH. Facile and efficient reprogramming of ciliary body epithelial cells into induced pluripotent stem cells. Stem Cells Dev. 2013 Sep 15;22(18):2543-50 (Univ. of North Carolina – Career Development Awd and Unres. Grant). Keyword(s): Stem Cell Research/Therapy


Say EA, Melamud A, Esserman DA, Povsic TJ, Chavala SH. **Comparative analysis of circulating endothelial progenitor cells in age-related macular degeneration patients using automated rare cell analysis (ARCA) and fluorescence activated cell sorting (FACS).** PLoS One. 2013;8(1):e55079 (Univ. of North Carolina – Career Development Awd and Unres. Grant). Keyword(s): AMD; Stem Cell Research/Therapy


Sinici I, Yonekawa S, Tkachyova I, Gray SJ, Samulski RJ, Wakarchuk W, Mark BL, Mahuran DJ. **In cellulo examination of a beta-alpha hybrid construct of beta-hexosaminidase A subunits, reported to interact with the GM2 activator protein and hydrolyze GM2 ganglioside.** PLoS One. 2013;8(3):e57908 (Univ. of North Carolina - Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Gene Research/Therapy

Threatt J, Williamson JF, Huynh K, Davis RM. **Ocular disease, knowledge and technology applications in patients with diabetes.** Am J Med Sci. 2013 Apr;345(4):266-70 (Univ. of North Carolina - Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Diabetic Retinopathy


**INVESTIGATIVE OPHTHALMOLOGY AND VISUAL SCIENCE**


**JAMA OPHTHALMOLOGY**


**OPHTHALMOLOGY**


**OTHER PROFESSIONAL PUBLICATIONS – UNITED STATES AND FOREIGN**

Chou JC, Rollins SD, Fawzi AA. *Trypsin digest protocol to analyze the retinal vasculature of a mouse model.* J Vis Exp. 2013 Jun 13(76):e50489 (Northwestern Univ. – Medical Student Fellowship and Unres. Grant). Keyword(s): Retinal Vein and Artery Occlusion


Adesina OO, Vickery JA, Ferguson CL, Stone DU. Stromal melting associated with a cosmetic contact lens over a boston keratoprosthesis: Treatment with a conjunctival flap. Eye Contact Lens. 2013 May;39(3):e4-6 (Univ. of Oklahoma Health Sciences Center – Unres. Grant). Keyword(s): Cornea


Bryant-Hudson K, Conrady CD, Carr DJ. Type I interferon and lymphangiogenesis in the HSV-1 infected cornea - are they beneficial to the host? Prog Retin Eye Res. 2013 Sep;36:281-91 (Univ. of Oklahoma Health Sciences Center – Sr. Scientific Inv. Awd and Unres. Grant). Keyword(s): Uveitis/Infectious Diseases


Huynh TP, Mann SN, Mandal NA. Botanical compounds: Effects on major eye diseases. Evid Based Complement Alternat Med. 2013;2013:549174 (Univ. of Oklahoma Health Sciences Center – Unres. Grant). Keyword(s): AMD; Cataract; Diabetic Retinopathy; Glaucoma
Kyosseva SV, Chen L, Seal S, McGinnis JF. Nanoceria inhibit expression of genes associated with inflammation and angiogenesis in the retina of vldlr null mice. Exp Eye Res. 2013 Nov;116:63-74 (Univ. of Oklahoma Health Sciences Center – Sr. Scientific Inv. Awd and Unres. Grant). Keyword(s): AMD; Diabetic Retinopathy; Nanotechnology/Drug Delivery; Retinitis Pigmentosa


Rajala A, Dilly AK, Rajala RV. Protein tyrosine phosphatase-1B regulates the tyrosine phosphorylation of the adapter Grb2-associated binder 1 (Gab1) in the retina. Cell Commun Signal. 2013 Mar 22;11(1):20 (Univ. of Oklahoma Health Sciences Center – Unres. Grant). Keyword(s): Retinitis Pigmentosa


Li Y, Lowder C, Zhang X, Huang D. Anterior chamber cell grading by optical coherence tomography. Invest Ophthalmol Vis Sci. 2013 Jan 9;54(1):258-65 (Oregon Health & Science Univ. – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Imaging


JAMA OPHTHALMOLOGY

Courtney RJ, Pennesi ME. Interval spectral-domain optical coherence tomography and electrophysiology findings in neonatal adrenoleukodystrophy. JAMA Ophthalmol. 2013 Jun;131(6):807-10 (Oregon Health & Science Univ. – Career Development Awd and Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Imaging; Pediatric; Retina/Retinal Diseases

Hewing NJ, Kaufman DR, Chan RV, Chiang MF. Plus disease in retinopathy of prematurity: Qualitative analysis of diagnostic process by experts. JAMA Ophthalmol. 2013 Aug;131(8):1026-32 (Oregon Health & Science Univ. – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Pediatric (Retinopathy of Prematurity)


Pennesi ME. A little algae a day keeps the retinal degeneration specialist away? JAMA Ophthalmol. 2013 Aug;131(8):983-4 (Oregon Health & Science Univ. – Career Development Awd and Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Retina/Retinal Diseases

OPHTHALMOLOGY

Fraunfelder FW. **Liquid nitrogen cryotherapy of pterygia.** Ophthalmology. 2013 Oct;120(10):e70 (Oregon Health & Science Univ. – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Cornea


Hagstrom SA, Ying GS, Pauer GJ, Sturgill-Short GM, Huang J, Callanan DG, Kim IK, Klein ML, Maguire MG, Martin DF. Comparison of AMD Treatments Trials Research Group. **Pharmacogenetics for genes associated with age-related macular degeneration in the comparison of AMD treatments trials (CATT).** Ophthalmology. 2013 Mar;120(3):593-9 (Oregon Health & Science Univ. – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): AMD; Gene Research/Therapy

Lambert SR, Melia M, Buffenn AN, Chiang MF, Simpson JL, Yang MB. **Rebound tonometry in children: A report by the american academy of ophthalmology.** Ophthalmology. 2013 Apr;120(4):e21-7 (Oregon Health & Science Univ. – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Glaucoma; Pediatric

Sanders DS, Lattin DJ, Read-Brown S, Tu DC, Wilson DJ, Hwang TS, Morrison JC, Yackel TR, Chiang MF. **Electronic health record systems in ophthalmology: Impact on clinical documentation.** Ophthalmology. 2013 Sep;120(9):1745-55 (Oregon Health & Science Univ. – Unres. Grant). Keyword(s): Epidemiology (Electronic Medical Records; Informatics)

Yang MB, Melia M, Lambert SR, Chiang MF, Simpson JL, Buffenn AN. **Fibrin glue for closure of conjunctival incision in strabismus surgery: A report by the american academy of ophthalmology.** Ophthalmology. 2013 Sep;120(9):1935-41 (Oregon Health & Science Univ. – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Strabismus/Amblyopia/Eye Movement Disorders

**OTHER PROFESSIONAL PUBLICATIONS – UNITED STATES AND FOREIGN**


Buldyrev I, Taylor WR. Inhibitory mechanisms that generate centre and surround properties in ON and OFF brisk-sustained ganglion cells in the rabbit retina. J Physiol. 2013 Jan 1;591(Pt 1):303-25 (Oregon Health & Science Univ. – Lew R. Wasserman Merit Awd and Unres. Grant). Keyword(s): Retina/Retinal Diseases


Gupta S, Vermulakonda GA, Suhler EB, Yeh S, Albini TA, Mandelcorn E, Flaxel CJ. Cytomegalovirus retinitis in the absence of AIDS. Can J Ophthalmol. 2013 Apr;48(2):126-9 (Oregon Health & Science Univ. – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Uveitis/Infectious Diseases


Messenger WB, Beardsley RM, Flaxel CJ. Fluocinolone acetonide intravitreal implant for the treatment of diabetic macular edema. Drug Des Devel Ther. 2013 May 24;7:425-34 (Oregon Health & Science Univ. – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Diabetic Retinopathy; Retina/Retinal Diseases

Ng J, Hauck MJ. Ptosis repair. Facial Plast Surg. 2013 Feb;29(1):22-5 (Oregon Health & Science Univ. – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Plastic Surgery

Patel M, Fraunfelder FW. **Toxicity of topical ophthalmic anesthetics.** Expert Opin Drug Metab Toxicol. 2013 Aug;9(8):983-8 (Oregon Health & Science Univ. – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Cornea (Drug Toxicity)

Puthussery T, Venkataramani S, Gayet-Primo J, Smith RG, Taylor WR. **NaV1.1 channels in axon initial segments of bipolar cells augment input to magnocellular visual pathways in the primate retina.** J Neurosci. 2013 Oct 9;33(41):16045-59 (Oregon Health & Science Univ. – Lew R. Wasserman Merit Awd and Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keywrd(s): Retina/Retinal Diseases

Reed BT, Morgans CW, Duvoisin RM. **Differential modulation of retinal ganglion cell light responses by orthosteric and allosteric metabotropic glutamate receptor 8 compounds.** Neuropharmacology. 2013 Apr;67:88-94 (Oregon Health & Science Univ. – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Retina/Retinal Diseases

Rosenbaum JT, Kim HW. **Innate immune signals in autoimmune and autoinflammatory uveitis.** Int Rev Immunol. 2013 Feb;32(1):68-75 (Oregon Health & Science Univ. – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Uveitis/Infectious Diseases


Shorstein NH, Winthrop KL, Herrinton LJ. ** Decreased postoperative endophthalmitis rate after institution of intracameral antibiotics in a northern california eye department.** J Cataract Refract Surg. 2013 Jan;39(1):8-14 (Oregon Health & Science Univ. – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Uveitis/Infectious Diseases

Steele E. **Preoperative evaluation for periocular surgery.** Facial Plast Surg. 2013 Feb;29(1):13-5 (Oregon Health & Science Univ. – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Plastic Surgery


Tang M, Stoeger C, Galloway J, Holiman J, Bald MR, Huang D. **Evaluating DSAEK graft deturgescence in preservation medium after microkeratome cut with optical coherence tomography.** Cornea. 2013 Jun;32(6):847-50 (Oregon Health & Science Univ. – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Cornea; Imaging


Xiong WH, Duvoisin RM, Adamus G, Jeffrey BG, Sellman C, Morgans CW. Serum TRP1 autoantibodies from melanoma associated retinopathy patients enter retinal on-bipolar cells and attenuate the electroretinogram in mice. PLoS One. 2013 Aug 1;8(8):e69506 (Oregon Health & Science Univ. – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Retina/Retinal Diseases


UNIVERSITY OF PENNSYLVANIA

AMERICAN JOURNAL OF OPHTHALMOLOGY


INVESTIGATIVE OPHTHALMOLOGY AND VISUAL SCIENCE

Morgan JI, Pugh EN,Jr. Scanning laser ophthalmoscope measurement of local fundus reflectance and autofluorescence changes arising from rhodopsin bleaching and regeneration. Invest Ophthalmol Vis Sci. 2013 Mar 1;54(3):2048-59 (Univ. of Pennsylvania - Unres. Grant). Keyword(s): Retina/Retinal Diseases


OPHTHALMOLOGY


OTHER PROFESSIONAL PUBLICATIONS – UNITED STATES AND FOREIGN


Song D, Dunaief JL. Retinal iron homeostasis in health and disease. Front Aging Neurosci. 2013 Jun 28;5(175):175fs8 (Univ. of Pennsylvania – Unres. Grant). Keyword(s): AMD; Retina/Retinal Diseases


**INVESTIGATIVE OPHTHALMOLOGY AND VISUAL SCIENCE**


Du Y, Yun H, Yang E, Schuman JS. *Stem cells from trabecular meshwork home to TM tissue in vivo.* Invest Ophthalmol Vis Sci. 2013 Feb 19;54(2):1450-9 (Univ. of Pittsburgh – Unres. Grant). Keyword(s): Glaucoma; Stem Cell Research/Therapy


**JAMA OPHTHALMOLOGY**


**OTHER PROFESSIONAL PUBLICATIONS – UNITED STATES AND FOREIGN**


Davis RE, Schuman JS. *Pseudoexfoliation syndrome: Don't brush it off.* Br J Ophthalmo. 2013 Sep;97(9):1091-2 (Univ. of Pittsburgh – Unres. Grant). Keyword(s): Glaucoma


Loewen NA, Schuman JS. **There has to be a better way: Evolution of internal filtration glaucoma surgeries.** Br J Ophthalmol. 2013 Oct;97(10):1228-9 (Univ. of Pittsburgh – Unres. Grant). Keyword(s): Glaucoma


Medina CA, Rowe AM, Yun H, Knickelbein JE, Lathrop KL, Hendricks RL. **Azithromycin treatment increases survival of high-risk corneal allotransplants.** Cornea. 2013 May;32(5):658-66 (Univ. of Pittsburgh – Unres. Grant). Keyword(s): Cornea; Other (Corneal Transplant)


Sloutskin A, Kinchington PR, Goldstein RS. **Productive vs non-productive infection by cell-free varicella zoster virus of human neurons derived from embryonic stem cells is dependent upon infectious viral dose.** Virology. 2013 Sep 1;443(2):285-93 (Univ. of Pittsburgh – Unres. Grant). Keyword(s): Uveitis/Infectious Diseases


St Leger AJ, Jeon S, Hendricks RL. **Broadening the repertoire of functional herpes simplex virus type 1-specific CD8+ T cells reduces viral reactivation from latency in sensory ganglia.** J Immunol. 2013 Sep 1;191(5):2258-65 (Univ. of Pittsburgh – Unres. Grant). Keyword(s): Uveitis/Infectious Diseases

Swamynathan SK. **Ocular surface development and gene expression.** J Ophthalmol. 2013;2013:103947 (Univ. of Pittsburgh – Unres. Grant). Keyword(s): Cornea; Gene Research/Therapy

Wu J, Du Y, Mann MM, Yang E, Funderburgh JL, Wagner WR. **Bioengineering organized, multilamellar human corneal stromal tissue by growth factor supplementation on highly aligned synthetic substrates.** Tissue Eng Part A. 2013 Sep;19(17-18):2063-75 (Univ. of Pittsburgh – Unres. Grant). Keyword(s): Cornea; Stem Cell Research/Therapy

Kuriyan AE, Woeller CF, O'Loughlin CW, Phipps RP, Feldon SE. Orbital fibroblasts from thyroid eye disease patients differ in proliferative and adipogenic responses depending on disease subtype. Invest Ophthalmol Vis Sci. 2013 Nov 8;54(12):7370-7 (Univ. of Rochester - Unres. Grant). Keyword(s): Thyroid Ophthalmology


OTHER PROFESSIONAL PUBLICATIONS – UNITED STATES AND FOREIGN


Fernandes KA, Harder JM, Kim J, Libby RT. JUN regulates early transcriptional responses to axonal injury in retinal ganglion cells. Exp Eye Res. 2013 Jul;112:106-17 (Univ. of Rochester - Unres. Grant). Keyword(s): Glaucoma; Other (Cell Death; ER Stress; Regeneration)


Herzlich AA, Aquavella JV. Infant keratoprosthesis. Int Ophthalmol Clin. 2013 Spring;53(2):71-7 (Univ. of Rochester - Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Dry Eye; Pediatric


Howell GR, Soto I, Libby RT, John SW. Intrinsic axonal degeneration pathways are critical for glaucomatous damage. Exp Neurol. 2013 Aug;246:54-61 (Univ. of Rochester - Unres. Grant). Keyword(s): Glaucoma; Optic Neuropathy; Other (Axon; Wlds)


Kiernan AE. **Notch signaling during cell fate determination in the inner ear.** Semin Cell Dev Biol. 2013 May;24(5):470-9 (Univ. of Rochester - Career Development Awd). Keyword(s): Gene Research/Therapy; Pediatric; Other (Notch; Inner Ear)


Pan W, Jin Y, Chen J, Rottier RJ, Steel KP, Kiernan AE. **Ectopic expression of activated notch or SOX2 reveals similar and unique roles in the development of the sensory cell progenitors in the mammalian inner ear.** J Neurosci. 2013 Oct 9;33(41):16146-57 (Univ. of Rochester - Unres. Grant). Keyword(s): Gene Research/Therapy


Yin L, Geng Y, Osakada F, Sharma R, Cetin AH, Callaway EM, Williams DR, Merigan WH. **Imaging light responses of retinal ganglion cells in the living mouse eye.** J Neurophysiol. 2013 May;109(9):2415-21 (Univ. of Rochester - Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Gene Research/Therapy; Imaging; Retina/Retinal Diseases


Liu TY, Shah AR, Del Priore LV. Progression of lesion size in untreated eyes with exudative age-related macular degeneration: A meta-analysis using lineweaver-burk plots. JAMA Ophthalmol. 2013 Mar;131(3):335-40 (Medical Univ. of South Carolina – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): AMD

Trivedi RH, Wilson ME. Selection of an initial contact lens power for infantile cataract surgery without primary intraocular lens implantation. Ophthalmology. 2013 Oct;120(10):1973-6 (Medical Univ. of South Carolina – Unres. Grant). Keyword(s): Cataract; Pediatric

Bandyopadhyay M, Kono M, Rohrer B. **Explant cultures of Rpe65-/- mouse retina: A model to investigate cone opsin trafficking.** Mol Vis. 2013 May 29;19:1149-57 (Medical Univ. of South Carolina – Unres. Grant). Keyword(s): Other (Leber Congenital Amaurosis Type 2)

Burger BM, Chavis PS, Purvin V. **A weed by any other name.** Surv Ophthalmol. 2013 Mar-Apr;58(2):176-83 (Medical Univ. of South Carolina – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Neuro-Ophthalmology

Dahrouj M, Alsarraf O, Liu Y, Crosson CE, Ablonczy Z. **C-type natriuretic peptide protects the retinal pigment epithelium against advanced glycation end product-induced barrier dysfunction.** J Pharmacol Exp Ther. 2013 Jan;344(1):96-102 (Medical Univ. of South Carolina – Unres. Grant). Keyword(s): Diabetic Retinopathy; Other (Macular Edema)


Kim JY, Zhao H, Martinez J, Doggett TA, Kolesnikov AV, Tang PH, Ablonczy Z, Chan CC, Zhou Z, Green DR, Ferguson TA. **Noncanonical autophagy promotes the visual cycle.** Cell. 2013 Jul 18;154(2):365-76 (Medical Univ. of South Carolina – Unres. Grant). Keyword(s): Macular Dystrophy; Retina/Retinal Diseases


Magrath GN, Cheeseman EW, Eiseman AS, Caplan MJ. **A rapidly expanding orbital lesion.** J Pediatr. 2013 Jul;163(1):294-5.e1-2 (Medical Univ. of South Carolina – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Pediatric; Other (Orbital Lesion)

Perron NR, Beeson C, Rohrer B. **Early alterations in mitochondrial reserve capacity; a means to predict subsequent photoreceptor cell death.** J Bioenerg Biomembr. 2013 Feb;45(1-2):101-9 (Medical Univ. of South Carolina – Unres. Grant). Keyword(s): Retinitis Pigmentosa; Other (Retinal Degeneration)


Proctor CM, Magrath GN, de Castro LE, Johnson JH, Teed RG. **Orbital cellulitis complicated by central retinal artery occlusion.** Ophthal Plast Reconstr Surg. 2013 Mar-Apr;29(2):e59-61 (Medical Univ. of South Carolina – Unres. Grant). Keyword(s): Retinal Vein and Artery Occlusion; Other (Orbital Cellulitis)

Tang PH, Kono M, Koutalos Y, Ablonczy Z, Crouch RK. **New insights into retinoid metabolism and cycling within the retina.** Prog Retin Eye Res. 2013 Jan;32:48-63 (Medical Univ. of South Carolina – Medical Student Fellowship, Sr. Scientific Inv. Awd and Unres. Grant). Keyword(s): Retina/Retinal Diseases; Other (Leber Congenital Amaurosis)

Tomita M, Waring GO, Magnago T, Watabe M. Clinical results of using a high-repetition-rate excimer laser with an optimized ablation profile for myopic correction in 10 235 eyes. J Cataract Refract Surg. 2013 Oct;39(10):1543-9 (Medical Univ. of South Carolina – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Cornea; Myopia/Presbyopia


Kumar S, Shah S, Deutsch ER, Tang HM, Danias J. **Triamcinolone acetonide decreases outflow facility in C57BL/6 mouse eyes.** Invest Ophthalmol Vis Sci. 2013 Feb 1;54(2):1280-7 (State Univ. of New York Downstate Medical Center - Challenge Grant). Keyword(s): Glaucoma

**OTHER PROFESSIONAL PUBLICATIONS – UNITED STATES AND FOREIGN**

Adam CR, Shrier E, Ding Y, Glazman S, Bodis-Wollner I. **Correlation of inner retinal thickness evaluated by spectral-domain optical coherence tomography and contrast sensitivity in parkinson disease.** J Neuroophthalmol. 2013 Jun;33(2):137-42 (State Univ. of New York Downstate Medical Center - Challenge Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Neuro-Ophthalmology

Bodis-Wollner I. **Foveal vision is impaired in parkinson's disease.** Parkinsonism Relat Disord. 2013 Jan;19(1):1-14 (State Univ. of New York Downstate Medical Center - Challenge Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Neuro-Ophthalmology; Retina/Retinal Diseases

Bodis-Wollner I, Glazman S, Yerram S. **Fovea and foveation in parkinson's disease.** Behav Neurosci. 2013 Apr;127(2):139-50 (State Univ. of New York Downstate Medical Center - Challenge Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Neuro-Ophthalmology; Retina/Retinal Diseases

Burstein ES, Lazzaro DR. **Traumatic ruptured globe eye injuries in a large urban center.** Clin Ophthalmol. 2013;7:485-8 (State Univ. of New York Downstate Medical Center - Challenge Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Epidemiology

Chaqour B. **New insights into the function of the matricellular CCN1: An emerging target in proliferative retinopathies.** J Ophthalmic Vis Res. 2013 Jan;8(1):77-82 (State Univ. of New York Downstate Medical Center - Challenge Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Diabetic Retinopathy; Retina/Retinal Diseases

Choi J, Lin A, Shrier E, Lau LF, Grant MB, Chaqour B. **Degradome products of the matricellular protein CCN1 as modulators of pathological angiogenesis in the retina.** J Biol Chem. 2013 Aug 9;288(32):23075-89 (State Univ. of New York Downstate Medical Center - Challenge Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Diabetic Retinopathy; Retina/Retinal Diseases

Elia MD, Shield D, Kazim M, Shinder R, Yoon M, McCulley TJ, Shore JW, Greene D, Servat JJ, Levin F. **Spontaneous subperiosteal orbital hemorrhage.** Orbit. 2013 Oct;32(5):333-5 (State Univ. of New York Downstate Medical Center - Challenge Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Ocular Oncology/Pterygium; Plastic Surgery

Ferri S, Shinder R. ** Inferomedial dermolipoma with ectopic lacrimal gland.** Ophthal Plast Reconstr Surg. 2013 Mar-Apr;29(2):e43-4 (State Univ. of New York Downstate Medical Center - Challenge Grant). Keyword(s): Ocular Oncology/Pterygium; Plastic Surgery

Gnanaguru G, Bachay G, Biswas S, Pinzon-Duarte G, Hunter DD, Brunkcn WJ. **Laminins containing the beta2 and gamma3 chains regulate astrocyte migration and angiogenesis in the retina.** Development. 2013 May;140(9):2050-60 (State Univ. of New York Downstate Medical Center - Challenge Grant). Keyword(s): Retina/Retinal Diseases; Other (Retinal Development; Retinal Vascularization)


Radner S, Banos C, Bachay G, Li YN, Hunter DD, Brunken WJ, Yee KT. beta2 and gamma3 laminins are critical cortical basement membrane components: Ablation of Lamb2 and Lamc3 genes disrupts cortical lamination and produces dysplasia. Dev Neurobiol. 2013 Mar;73(3):209-29 (State Univ. of New York Downstate Medical Center - Challenge Grant). Keyword(s): Other (Muscle-Eye-Brain Disease)

Rizzuti AE, Vastardi M, Hajee M, Lazzaro DR. Scope of resident ophthalmology consultation service and patient follow-up rates at a level 1 trauma center in brooklyn, new york. Clin Ophthalmol. 2013;7:643-7 (State Univ. of New York Downstate Medical Center - Challenge Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Epidemiology


Shrier E, McGroarty J. Bilateral chorioretinal folds in association with chronic polypoidal choroidal vasculopathy. J Ocular Biol. 2013 Sep.;1(2):2 (State Univ. of New York Downstate Medical Center - Challenge Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Retina/Retinal Diseases


Swanenberg IM, Rizzuti AE, Shinder R. Spontaneous subperiosteal hematoma precipitated by anxiety attack. Orbit. 2013 Dec;32(6):402-4 (State Univ. of New York Downstate Medical Center - Challenge Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Plastic Surgery

Torrejon KY, Pu D, Bergkvist M, Danias J, Sharfstein ST, Xie Y. Recreating a human trabecular meshwork outflow system on microfabricated porous structures. Biotechnol Bioeng. 2013 Dec;110(12):3205-18 (State Univ. of New York Downstate Medical Center - Challenge Grant). Keyword(s): Glaucoma; Nanotechnology/Drug Delivery
Yerram S, Glazman S, Bodis-Wollner I. *Cortical control of saccades in parkinson disease and essential tremor*. J Neural Transm. 2013 Jan;120(1):145-56 (State Univ. of New York Downstate Medical Center - Challenge Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Neuo-Ophthalmology; Strabismus/Amblyopia/Eye Movement Disorders

JAMA OPHTHALMOLOGY


OTHER PROFESSIONAL PUBLICATIONS – UNITED STATES AND FOREIGN

Aerni-Flessner L, Haeri M, Knox BE, Pignoni F. Can fly photoreceptors lead to treatments for rh()-(P23H) -linked retinitis pigmentosa? J Ophthalmic Vis Res. 2013 Jan;8(1):86-91 (SUNY Upstate – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Retina/Retinal Diseases; Retinitis Pigmentosa


Haeri M, Knox BE, Ahmadi A. Modeling the flexural rigidity of rod photoreceptors. Biophys J. 2013 Jan 22;104(2):300-12 (SUNY Upstate – Unres. Grant). Keyword(s): Retina/Retinal Diseases; Retinitis Pigmentosa


Viczian AS. Advances in retinal stem cell biology. J Ophthalmic Vis Res. 2013 Apr;8(2):147-59 (SUNY Upstate – Unres. Grant). Keyword(s): AMD; Macular Dystrophy; Retina/Retinal Diseases; Retinitis Pigmentosa; Stem Cell Research/Therapy


INVESTIGATIVE OPHTHALMOLOGY AND VISUAL SCIENCE


Zhang Q, Steinle JJ. DNA-PK phosphorylation of IGFBP-3 is required to prevent apoptosis in retinal endothelial cells cultured in high glucose. Invest Ophthalmol Vis Sci. 2013 Apr 30;54(4):3052-7 (Univ. of Tennessee – Unres. Grant). Keyword(s): Diabetic Retinopathy; Retina/Retinal Diseases

JAMA OPHTHALMOLOGY

OPHTALMOLOGY


OTHER PROFESSIONAL PUBLICATIONS – UNITED STATES AND FOREIGN


Cheung NK, Dyer MA. Neuroblastoma: Developmental biology, cancer genomics and immunotherapy. Nat Rev Cancer. 2013 Jun;13(6):397-411 (Univ. of Tennessee – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Gene Research/Therapy; Ocular Oncology/Pterygium; Pediatric

Estepp JH, Smeltzer MP, Wang WC, Hoehn ME, Hankins JS, Aygun B. **Protection from sickle cell retinopathy is associated with elevated HbF levels and hydroxycarbamide use in children.** Br J Haematol. 2013 May;161(3):402-5 (Univ. of Tennessee – Unres. Grant). Keyword(s): Epidemiology; Pediatric; Retina/Retinal Diseases

Hoehn ME, Kelly SR, Wilson MW, Walton RC. **Cyclosporine 0.05% ophthalmic emulsion for the treatment of radiation-associated dry eye in children.** Pediatr Blood Cancer. 2013 Jul;60(7):E35-7 (Univ. of Tennessee – Unres. Grant). Keyword(s): Nanotechnology/Drug Delivery; Ocular Oncology/Ptergium; Pediatric


Jiang Y, Pagadala J, Miller D, Steinle JJ. **Reduced insulin receptor signaling in retinal muller cells cultured in high glucose.** Mol Vis. 2013 Apr 5;19:804-11 (Univ. of Tennessee – Unres. Grant). Keyword(s): Diabetic Retinopathy


O'Donnell TJ, Michael LM,2nd, Laster R, Fleming JC. **Isolated pyccele of anterior clinoid process presenting as a cavernous sinus syndrome.** Tenn Med. 2013 May;106(5):37,8, 43 (Univ. of Tennessee – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Plastic Surgery

Palamoor M, Jablonski MM. **Poly(ortho ester) nanoparticle-based targeted intraocular therapy for controlled release of hydrophilic molecules.** Mol Pharm. 2013 Feb 4;10(2):701-8 (Univ. of Tennessee – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Nanotechnology/Drug Delivery


Zhang Q, Soderland C, Steinle JJ. Regulation of retinal endothelial cell apoptosis through activation of the IGFBP-3 receptor. Apoptosis. 2013 Mar;18(3):361-8 (Univ. of Tennessee – Unres. Grant). Keyword(s): Diabetic Retinopathy


Taibbi G, Kaplowitz K, Cromwell RL, Godley BF, Zanello SB, Vizzeri G. *Effects of 30-day head-down bed rest on ocular structures and visual function in a healthy subject.* Aviat Space Environ Med. 2013 Feb;84(2):148-54 (Univ. of Texas, Galveston - Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Retina/Retinal Diseases


UNIVERSITY OF TEXAS, HOUSTON

OTHER PROFESSIONAL PUBLICATIONS – UNITED STATES AND FOREIGN


Hoshi H, Tian LM, Massey SC, Mills SL. Properties of the ON bistratified ganglion cell in the rabbit retina. J Comp Neurol. 2013 May 1;521(7):1497-509 (Univ. of Texas, Houston - Challenge Grant and Sr. Scientific Inv. Awd). Keyword(s): Retina/Retinal Diseases


Rash JE, Curti S, Vanderpool KG, Kamasawa N, Nannapaneni S, Palacios-Prado N, Flores CE, Yasumura T, O'Brien J, Lynn BD, Bukauskas FF, Nagy JI, Pereda AE. Molecular and functional asymmetry at a vertebrate electrical synapse. Neuron. 2013 Sep 4;79(5):957-69 (Univ. of Texas, Houston - Challenge Grant). RBP support has been inadvertently omitted by grantee institution. Keyword(s): Imaging; Retina/Retinal Diseases


Arciniega JC, Uchiyama E, Butovich IA. Disruption and destabilization of meibomian lipid films caused by increasing amounts of ceramides and cholesterol. Invest Ophthalmol Vis Sci. 2013 Feb 15;54(2):1352-60 (Univ. of Texas Southwestern Medical Center - Unres. Grant). Keyword(s): Dry Eye

Danis RP, Domalpally A, Chew EY, Clemons TE, Armstrong J, SanGiovanni JP, Ferris FL, 3rd, AREDS2 Study Group. Methods and reproducibility of grading optimized digital color fundus photographs in the age-related eye disease study 2 (AREDS2 report number 2). Invest Ophthalmol Vis Sci. 2013 Jul 8;54(7):4548-54 (Univ. of Texas Southwestern Medical Center - Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): AMD

Li H, Niederkorn JY, Sadegh L, Mellon J, Chen PW. Epigenetic regulation of CXCR4 expression by the ocular microenvironment. Invest Ophthalmol Vis Sci. 2013 Jan 9;54(1):234-43 (Univ. of Texas Southwestern Medical Center - Unres. Grant). Keyword(s): Ocular Oncology/Pterygium; Other (Liver; Melanoma; Metastasis)


Bothun ED, Cleveland J, Lynn MJ, Christiansen SP, Vanderveen DK, Neely DE, Kruger SJ, Lambert SR, Infant Aphakic Treatment Study. One-year strabismus outcomes in the infant aphakia treatment study. Ophthalmology. 2013 Jun;120(6):1227-31 (Univ. of Texas Southwestern Medical Center - Unres. Grant). Keyword(s): Pediatric; Strabismus/Amblyopia/Eye Movement Disorders

Carrigan AK, DuBois LG, Becker ER, Lambert SR, Infant Aphakia Treatment Study Group. Cost of intraocular lens versus contact lens treatment after unilateral congenital cataract surgery: Retrospective analysis at age 1 year. Ophthalmology. 2013 Jan;120(1):14-9 (Univ. of Texas Southwestern Medical Center - Unres. Grant). Keyword(s): Cataract; Pediatric

Pfeiffer ML, Yin VT, Bell D, Mancini R, Esmaeli B. Sclerosing polycystic adenosis of the lacrimal gland. Ophthalmology. 2013 Apr;120(4):873,873.e1 (Univ. of Texas Southwestern Medical Center - Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Ocular Oncology/Pterygium; Other (Polycystic Adenosis)
Awwad ST, Kilby A, Bowman RW, Verity SM, Cavanagh HD, Pessach Y, McCulley JP. The accuracy of the double-K adjustment for third-generation intraocular lens calculation formulas in previous keratorefractive surgery eyes. Eye Contact Lens. 2013 May;39(3):220-7 (Univ. of Texas Southwestern Medical Center - Unres. Grant). Keyword(s): Cornea

Birch EE, Subramanian V, Weakley DR. Fixation instability in anisometropic children with reduced stereopsis. J AAPOS. 2013 Jun;17(3):287-90 (Univ. of Texas Southwestern Medical Center - Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Pediatric; Strabismus/Amblyopia/Eye Movement Disorders

Crum AV, Morris H, Hogan RN, Mancini R. Extramedullary hematopoietic lesion of the orbit presenting as a ring enhancing lesion. Ophthal Plast Reconstr Surg. 2013 Jan-Feb;29(1):e8-e10 (Univ. of Texas Southwestern Medical Center - Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Ocular Oncology/Pterygium; Other (Extramedullary Hematopoiesis)


Fung DS, Roensch MA, Kooner KS, Cavanagh HD, Whitson JT. Epidemiology and characteristics of childhood glaucoma: Results from the dallas glaucoma registry. Clin Ophthalmol. 2013;7:1739-46 (Univ. of Texas Southwestern Medical Center - Unres. Grant). Keyword(s): Glaucoma; Pediatric

Gustafsson MC, Lannergard J, Nilsson OR, Kristensen BM, Olsen JE, Harris CL, Ufret-Vincenty RL, Stalhammar-Carlemalm M, Lindahl G. Factor H binds to the hypervariable region of many streptococcus pyogenes M proteins but does not promote phagocytosis resistance or acute virulence. PLoS Pathog. 2013;9(4):e1003323 (Univ. of Texas Southwestern Medical Center - Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): AMD; Uveitis/Infectious Diseases

Hopker LM, Weakley DR. Surgical results after one-muscle recession for correction of horizontal sensory strabismus in children. J AAPOS. 2013 Apr;17(2):174-6 (Univ. of Texas Southwestern Medical Center - Unres. Grant). Keyword(s): Pediatric; Strabismus/Amblyopia/Eye Movement Disorders

Imayasu M, Tchedre KT, Cavanagh HD. Effects of multipurpose solutions on the viability and encystment of acanthamoeba determined by flow cytometry. Eye Contact Lens. 2013 May;39(3):228-33 (Univ. of Texas Southwestern Medical Center - Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Uveitis/Infectious Diseases; Other (Care Solutions; Contact Lens)

Kaiser PK, Wang YZ, He YG, Weisberger A, Wolf S, Smith CH. Feasibility of a novel remote daily monitoring system for age-related macular degeneration using mobile handheld devices: Results of a pilot study. Retina. 2013 Oct;33(9):1863-70 (Univ. of Texas Southwestern Medical Center - Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): AMD

Kooner KS, Barte FM. Intraocular surgery in kyphosis: An easier approach. Case Rep Ophthalmol. 2013 Jun 12;4(2):34-8 (Univ. of Texas Southwestern Medical Center - Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Cataract
Lu H, Wojtowicz JC, Butovich IA. **Differential scanning calorimetric evaluation of human meibomian gland secretions and model lipid mixtures: Transition temperatures and cooperativity of melting.** Chem Phys Lipids. 2013 May-Jun;170-171:55-64 (Univ. of Texas Southwestern Medical Center - Unres. Grant). Keyword(s): Dry Eye; Other (Lipids)

Mancini R. **Managing eyelid malpositions with hyaluronic acid gel injections.** Int Ophthalmol Clin. 2013 Summer;53(3):11-20 (Univ. of Texas Southwestern Medical Center - Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Plastic Surgery; Other (Hyaluronic Acid, Nonsurgical Technique)

McElhinny ER, Reich I, Burt B, Mancini R, Wladis EJ, Durairaj VD, Shinder R. **Treatment of pseudoptosis secondary to aberrant regeneration of the facial nerve with botulinum toxin type A.** Ophthal Plast Reconstr Surg. 2013 May-Jun;29(3):175-8 (Univ. of Texas Southwestern Medical Center - Unres. Grant). Keyword(s): Plastic Surgery; Other (Pseudoptosis)

McMahon A, Lu H, Butovich IA. **The spectrophotometric sulfo-phospho-vanillin assessment of total lipids in human meibomian gland secretions.** Lipids. 2013 May;48(5):513-25 (Univ. of Texas Southwestern Medical Center - Unres. Grant). Keyword(s): Dry Eye; Other (Lipids)


Miron-Mendoza M, Koppaka V, Zhou C, Petroll WM. **Techniques for assessing 3-D cell-matrix mechanical interactions in vitro and in vivo.** Exp Cell Res. 2013 Oct;319(16):2470-80 (Univ. of Texas Southwestern Medical Center - Unres. Grant). Keyword(s): Cornea; Other (Imaging)

Muftuoglu O, Toro P, Hogan RN, Bowman RW, Cavanagh HD, McCulley JP, Mootha VV, Sarnicola V. **Sarnicola air-visco bubble technique in deep anterior lamellar keratoplasty.** Cornea. 2013 Apr;32(4):527-32 (Univ. of Texas Southwestern Medical Center - Unres. Grant). Keyword(s): Cornea; Other (Keratoplasty)

Nguyen QH, McMenemy MG, Realini T, Whitson JT, Goode SM. **Phase 3 randomized 3-month trial with an ongoing 3-month safety extension of fixed-combination brinzolamide 1%/brimonidine 0.2%.** J Ocul Pharmacol Ther. 2013 Apr;29(3):290-7 (Univ. of Texas Southwestern Medical Center - Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Glaucoma

Niederkorn JY. **Corneal transplantation and immune privilege.** Int Rev Immunol. 2013 Feb;32(1):57-67 (Univ. of Texas Southwestern Medical Center - Unres. Grant). Keyword(s): Cornea; Other (Keratoplasty)

Nomachi M, Sakanishi K, Ichijima H, Cavanagh HD. **Evaluation of diminished microbial contamination in handling of a novel daily disposable flat pack contact lens.** Eye Contact Lens. 2013 May;39(3):234-8 (Univ. of Texas Southwestern Medical Center - Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Uveitis/Infectious Diseases; Other (Contact Lens)

Petroll WM, Weaver M, Vaidya S, McCulley JP, Cavanagh HD. **Quantitative 3-dimensional corneal imaging in vivo using a modified HRT-RCM confocal microscope.** Cornea. 2013 Apr;32(4):e36-43 (Univ. of Texas Southwestern Medical Center - Unres. Grant). Keyword(s): Cornea; Other (Imaging)
Reyes NJ, Chen PW, Niederkorn JY. Allergic conjunctivitis renders CD4(+) T cells resistant to regulatory cells and exacerbates corneal allograft rejection. Am J Transplant. 2013 May;13(5):1181-92 (Univ. of Texas Southwestern Medical Center - Unres. Grant). Keyword(s): Cornea; Other (Allergy, Conjunctivae, Immune)

Robertson DM. The effects of silicone hydrogel lens wear on the corneal epithelium and risk for microbial keratitis. Eye Contact Lens. 2013 Jan;39(1):67-72 (Univ. of Texas Southwestern Medical Center – Career Development Awd and Unres. Grant). Keyword(s): Cornea; Uveitis/Infectious Diseases; Other (Contact Lens)

Saban DR, Calder V, Kuo CH, Reyes NJ, Dartt DA, Ono SJ, Niederkorn JY. New twists to an old story: Novel concepts in the pathogenesis of allergic eye disease. Curr Eye Res. 2013 Mar;38(3):317-30 (Univ. of Texas Southwestern Medical Center - Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Cornea; Other (Allergy)

Szmuk P, Steiner JW, Pop RB, You J, Weakley DR,Jr, Swift DM, Sessler DI. Intraocular pressure in pediatric patients during prone surgery. Anesth Analg. 2013 Jun;116(6):1309-13 (Univ. of Texas Southwestern Medical Center - Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Other (Intraocular Pressure, IOP)

Tchedre K, Imayasu M, Hori Y, Cavanagh HD. Contact lens care solutions downregulate membrane-associated mucins 1 and 16 in cultured human corneal epithelial cells and at the rat corneal surface in vivo. Eye Contact Lens. 2013 Nov;39(6):394-9 (Univ. of Texas Southwestern Medical Center - Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Uveitis/Infectious Diseases; Other (Conact Lens; Care Solutions)


Poole Perry LJ, Jakobiec FA, Zakka FR, Reichel E, Herwig MC, Perry A, Brat DJ, Grossniklaus HE. Reactive retinal astrocytic tumors (so-called vasoproliferative tumors): Histopathologic, immunohistochemical, and genetic studies of four cases. Am J Ophthalmol. 2013 Mar;155(3):593-608.e1 (Tufts Univ. – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Ocular Oncology/Pterygium; Retina/Retinal Diseases


Duker JS, Kaiser PK, Binder S, de Smet MD, Gaudric A, Reichel E, Sadda SR, Sebag J, Spaide RF, Stalmans P. The international vitreomacular traction study group classification of vitreomacular adhesion, traction, and macular hole. Ophthalmology. 2013 Dec;120(12):2611-9 (Tufts Univ. – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Retina/Retinal Diseases


Reynolds R, Rosner B, Seddon JM. Dietary omega-3 fatty acids, other fat intake, genetic susceptibility, and progression to incident geographic atrophy. Ophthalmology. 2013 May;120(5):1020-8 (Tufts Univ. – Unres. Grant). Keyword(s): AMD; Epidemiology

OTHER PROFESSIONAL PUBLICATIONS – UNITED STATES AND FOREIGN

Adhi M, Bryant JS, Alwassia AA, Chen C, Duker JS. De novo appearance of a choroidal osteoma in an eye with previous branch retinal vein occlusion. Ophthalmic Surg Lasers Imaging Retina. 2013 Jan-Feb;44(1):77-80 (Tufts Univ. – Unres. Grant). Keyword(s): Retinal Vein and Artery Occlusion


Chen JJ, Vora RA, Arrigg P, Duker JS, Keane PA, Sadda SR, Yang SS. **Diagnostic and therapeutic challenges.** Retina. 2013 Jun;33(6):1273-8 (Tufts Univ. – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Glaucoma; Retina/Retinal Diseases

Cho H, Alwassia AA, Regiatieri CV, Zhang JY, Baumal C, Waheed N, Duker JS. **Retinal neovascularization secondary to proliferative diabetic retinopathy characterized by spectral domain optical coherence tomography.** Retina. 2013 Mar;33(3):542-7 (Tufts Univ. – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Diabetic Retinopathy; Imaging


Cox CA, Wein RO, Ghafoori R, Laver NM, Heher KL, Kapadia MK. **Angiosarcoma presenting with minor erythema and swelling.** Case Rep Ophthalmol. 2013 Apr 5;4(1):59-63 (Tufts Univ. – Unres. Grant). Keyword(s): Ocular Oncology/Pterygium

Duker JS, Moshfeghi AA. **Ocriplasmin: A medical or surgical therapy?** Retina. 2013 Nov-Dec;33(10):2001-2 (Tufts Univ. – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Retina/Retinal Diseases


Gobuty M, Adhi M, Duker JS. **Central serous chorioretinopathy in a 91-year-old woman.** Br J Ophthalmol. 2013 Dec;97(12):1607,8, 1615-6 (Tufts Univ. – Unres. Grant). Keyword(s): Imaging; Retina/Retinal Diseases


Goldenberg D, Shahar J, Loewenstein A, Goldstein M. **Diameters of retinal blood vessels in a healthy cohort as measured by spectral domain optical coherence tomography.** Retina. 2013 Oct;33(9):1888-94 (Tufts Univ. – Unres. Grant). Keyword(s): Imaging; Retina/Retinal Diseases


Goldman DR, Duker JS. **Spontaneous improvement of macular traction retinal detachment associated with myopic macular schisis.** Ophthalmic Surg Lasers Imaging Retina. 2013 Sep-Oct;44(5):497-8 (Tufts Univ. – Unres. Grant). Keyword(s): Myopia/Presbyopia; Retinal Detachment

Liang MC, Vora RA, Duker JS, Spaide RF. *Diagnostic and therapeutic challenges*. Retina. 2013 Jul-Aug;33(7):1471-4 (Tufts Univ. – Unres. Grant). RPB support has been inadvertently omitted by grantee institution.

Keywords: Retina/Retinal Diseases


Keywords: Glaucoma

Mauris J, Mantelli F, Woodward AM, Cao Z, Bertozzi CR, Panjwani N, Godula K, Argueso P. *Modulation of ocular surface glycocalyx barrier function by a galectin-3 N-terminal deletion mutant and membrane-anchored synthetic glycopolymers*. PLoS One. 2013 Aug 19;8(8):e72304 (Tufts Univ. – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keywords: Cornea; Dry Eye

Seddon JM, Yu Y, Miller EC, Reynolds R, Tan PL, Gowrisankar S, Goldstein JI, Triebwasser M, Anderson HE, Zerbib J, Kavanagh D, Souied E, Katsanis N, Daly MJ, Atkinson JP, Raychaudhuri S. *Rare variants in CFI, C3 and C9 are associated with high risk of advanced age-related macular degeneration*. Nat Genet. 2013 Nov;45(11):1366-70 (Tufts Univ. – Unres. Grant). Keywords: AMD; Epidemiology; Gene Research/Therapy

Shah SP, Manjunath V, Rogers AH, Baumal CR, Reichel E, Duker JS. *Optical coherence tomography-guided facedown positioning for macular hole surgery*. Retina. 2013 Feb;33(2):356-62 (Tufts Univ. – Unres. Grant). Keywords: Imaging; Retina/Retinal Diseases

Stalmans P, Duker JS, Kaiser PK, Heier JS, Dugel PU, Gandorfer A, Sebag J, Haller JA. *Oct-based interpretation of the vitreomacular interface and indications for pharmacologic vitreolysis*. Retina. 2013 Nov-Dec;33(10):2003-11 (Tufts Univ. – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keywords: Imaging; Retina/Retinal Diseases

Strominger MB, Young WO. *Managing a case of V pattern esotropia*. J Pediatr Ophthalmol Strabismus. 2013 Mar-Apr:50(2):70-2 (Tufts Univ. – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keywords: Pediatric

Suryawanshi A, Cao Z, Thitiprasert T, Zaidi TS, Panjwani N. *Galectin-1-mediated suppression of pseudomonas aeruginosa-induced corneal immunopathology*. J Immunol. 2013 Jun 15;190(12):6397-409 (Tufts Univ. – Unres. Grant). Keywords: Cornea; Uveitis/Infectious Diseases

Uy HS, Kenyon KR. *Surgical outcomes after application of a liquid adhesive ocular bandage to clear corneal incisions during cataract surgery*. J Cataract Refract Surg. 2013 Nov;39(11):1668-74 (Tufts Univ. – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keywords: Cornea

**INVESTIGATIVE OPHTHALMOLOGY AND VISUAL SCIENCE**


**JAMA OPHTHALMOLOGY**

Bressler SB, Qin H, Melia M, Bressler NM, Beck RW, Chan CK, Grover S, Miller DG, Diabetic Retinopathy Clinical Research Network. **Exploratory analysis of the effect of intravitreal ranibizumab or triamcinolone on worsening of diabetic retinopathy in a randomized clinical trial.** JAMA Ophthalmol. 2013 Aug;131(8):1033-40 (Univ. of Utah – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Diabetic Retinopathy; Retina/Retinal Diseases

Mitta VP, Christen WG, Glynn RJ, Semba RD, Ridker PM, Rimm EB, Hankinson SE, Schaumberg DA. **C-reactive protein and the incidence of macular degeneration: Pooled analysis of 5 cohorts.** JAMA Ophthalmol. 2013 Apr;131(4):507-13 (Univ. of Utah – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): AMD; Epidemiology; Other (Biomarkers)

Muni RH, Kohly RP, Lee EQ, Manson JE, Semba RD, Schaumberg DA. **Prospective study of inflammatory biomarkers and risk of diabetic retinopathy in the diabetes control and complications trial.** JAMA Ophthalmol. 2013 Apr;131(4):514-21 (Univ. of Utah – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Diabetic Retinopathy; Epidemiology; Other (Biomarkers)


Wang H, Zhang SX, Hartnett ME. **Signaling pathways triggered by oxidative stress that mediate features of severe retinopathy of prematurity.** JAMA Ophthalmol. 2013 Jan;131(1):80-5 (Univ. of Utah – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Retina/Retinal Diseases

**OPHTHALMOLOGY**


**OTHER PROFESSIONAL PUBLICATIONS – UNITED STATES AND FOREIGN**

Avasthi P, Scheel JF, Ying G, Frederick JM, Baehr W, Wolfrum U. **Germline deletion of Cetn1 causes infertility in male mice.** J Cell Sci. 2013 Jul 15;126(PT 14):3204-13 (Univ. of Utah – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Other (Male Mouse Infertility)

Barabas P, Liu A, Xing W, Chen CK, Tong Z, Watt CB, Jones BW, Bernstein PS, Krizaj D. **Role of ELOVL4 and very long-chain polyunsaturated fatty acids in mouse models of stargardt type 3 retinal degeneration.** Proc Natl Acad Sci U S A. 2013 Mar 26;110(13):5181-6 (Univ. of Utah – Career Development Awd and Unres. Grant). Keyword(s): Macular Dystrophy; Retina/Retinal Diseases


Federer F, Williams D, Ichida JM, Merlin S, Angelucci A. Two projection streams from macaque V1 to the pale cytochrome oxidase stripes of V2. J Neurosci. 2013 Jul 10;33(28):11530-9 (Univ. of Utah – Unres. Grant). Keyword(s): Low Vision; Other (Visual Cortex)


Gordon PJ, Yun S, Clark AM, Monuki ES, Murtaugh LC, Levine EM. **Lhx2 balances progenitor maintenance with neurogenic output and promotes competence state progression in the developing retina.** J Neurosci. 2013 Jul 24;33(30):12197-207 (Univ. of Utah – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Retina/Retinal Diseases; Stem Cell Research/Therapy; Other (Development)

Hartnett ME, Lane RH. **Effects of oxygen on the development and severity of retinopathy of prematurity.** J APOS. 2013 Jun;17(3):229-34 (Univ. of Utah – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Retina/Retinal Diseases

Heynen SR, Meneau I, Caprara C, Samardzija M, Imsand C, Levine EM, Grimm C. **CDC42 is required for tissue lamination and cell survival in the mouse retina.** PLoS One. 2013;8(1):e53806 (Univ. of Utah – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Retina/Retinal Diseases; Stem Cell Research/Therapy; Other (Development)


Jagadeesh V, Manjunath BS, Anderson J, Jones BW, Marc R, Fisher SK. **Robust segmentation based tracing using an adaptive wrapper for inducing priors.** IEEE Trans Image Process. 2013 Dec;22(12):4952-63 (Univ. of Utah – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Gene Research/Therapy; Retina/Retinal Diseases; Retinitis Pigmentosa; Other (Retinal Connectomics)

Jeffs J, Federer F, Ichida JM, Angelucci A. **High-resolution mapping of anatomical connections in marmoset extrastriate cortex reveals a complete representation of the visual field bordering dorsal V2.** Cereb Cortex. 2013 May;23(5):1126-47 (Univ. of Utah – Unres. Grant). Keyword(s): Low Vision; Other (Visual Cortex)

Jorge Pde A, Jorge D, Ventura CV, Ventura BV, Lira W, Ventura MC, Werner L, Kara NJr. **Late opacification in hydrophilic acrylic intraocular lenses: Analysis of 87 eyes in a random sample of 102 patients.** J Cataract Refract Surg. 2013 Mar;39(3):403-7 (Univ. of Utah – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Cataract; Other (Intraocular Lens)


Kinard K, Jarstad A, Olson RJ. **Correlation of visual quality with satisfaction and function in a normal cohort of pseudophakic patients.** J Cataract Refract Surg. 2013 Apr;39(4):590-7 (Univ. of Utah – Unres. Grant). Keyword(s): Cataract; Other (Dysphotopsia; Phacoemulsification)

Kleinmann G, Zaugg B, Apple DJ, Bleik J. **Pediatric cataract surgery with hydrophilic acrylic intraocular lens.** J AAPOS. 2013 Aug;17(4):367-70 (Univ. of Utah – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Cataract

Lai CW, Kolesnikov AV, Frederick JM, Blake DR, Jiang L, Stewart JS, Chen CK, Barrow JR, Baehr W, Kefalov VJ, Willardson BM. **Phosducin-like protein 1 is essential for G-protein assembly and signaling in retinal rod photoreceptors.** J Neurosci. 2013 May 1;33(18):7941-51 (Univ. of Utah – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Other (Photoreceptor Biochemistry)

Lauritzen JS, Anderson JR, Jones BW, Watt CB, Mohammed S, Hoang JV, Marc RE. **ON cone bipolar cell axonal synapses in the OFF inner plexiform layer of the rabbit retina.** J Comp Neurol. 2013 Apr 1;521(5):977-1000 (Univ. of Utah – Unres. Grant). Keyword(s): Gene Research/Therapy; Retina/Retinal Diseases; Retinitis Pigmentosa; Other (Retinal Conneectomics)

Liu A, Terry R, Lin Y, Nelson K, Bernstein PS. **Comprehensive and sensitive quantification of long-chain and very long-chain polyunsaturated fatty acids in small samples of human and mouse retina.** J Chromatogr A. 2013 Sep 13;1307:191-200 (Univ. of Utah – Unres. Grant). Keyword(s): Retina/Retinal Diseases


Ma EY, Lewis A, Barabas P, Stearns G, Suzuki S, Krizaj D, Brockerhoff SE. **Loss of Pde6 reduces cell body ca(2+) transients within photoreceptors.** Cell Death Dis. 2013 Sep 12;4:e797 (Univ. of Utah – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): AMD; Retina/Retinal Diseases; Retinitis Pigmentosa


Moshirfar M, Edmonds JN, Behunin NL, Christiansen SM. **Corneal biomechanics in iatrogenic ectasia and keratoconus: A review of the literature.** Oman J Ophthalmol. 2013 Jan;6(1):12-7 (Univ. of Utah – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Cornea


Pollak J, Wilken MS, Ueki Y, Cox KE, Sullivan JM, Taylor RJ, Levine EM, Reh TA. **ASCL1 reprograms mouse muller glia into neurogenic retinal progenitors.** Development. 2013 Jun;140(12):2619-31 (Univ. of Utah – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Retina/Retinal Diseases; Stem Cell Research/Therapy; Other (Development)

Richman J, Spaeth GL, Wirostko B. **Contrast sensitivity basics and a critique of currently available tests.** J Cataract Refract Surg. 2013 Jul;39(7):1100-6 (Univ. of Utah – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Cataract; Cornea; Glaucoma
Rosa MG, Angelucci A, Jeffs J, Pettigrew JD. The case for a dorsomedial area in the primate 'third-tier' visual cortex. Proc Biol Sci. 2013 Jan 7;280(1750):20121372 (Univ. of Utah – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Low Vision; Other (Visual Cortex)


Schaumberg DA, Uchino M, Christen WG, Semba RD, Buring JE, Li JZ. Patient reported differences in dry eye disease between men and women: Impact, management, and patient satisfaction. PLoS One. 2013 Sep 30;8(9):e76121 (Univ. of Utah – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Retinitis Pigmentosa


Uchino M, Schaumberg DA. Dry eye disease: Impact on quality of life and vision. Curr Ophthalmol Rep. 2013 Jun;1(2):51-7 (Univ. of Utah – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Dry Eye; Epidemiology; Other (Quality of Life)


Vitale AT, Graham E, de Boer JH. Juvenile idiopathic arthritis-associated uveitis: Clinical features and complications, risk factors for severe course, and visual outcome. Ocul Immunol Inflamm. 2013 Dec;21(6):478-85 (Univ. of Utah – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Uveitis/Infectious Diseases


Wittchen ES, Nishimura E, McCloskey M, Wang H, Quilliam LA, Chrzanowska-Wodnicka M, Hartnett ME. Rap1 GTPase activation and barrier enhancement in rpe inhibits choroidal neovascularization in vivo. PLoS One. 2013 Sep 10;8(9):e73070 (Univ. of Utah – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): AMD; Retina/Retinal Diseases


Xu L, Blonska AM, Pumariega NM, Bearelly S, Sohrab MA, Hageman GS, Smith RT. Reticular macular disease is associated with multilobular geographic atrophy in age-related macular degeneration. Retina. 2013 Oct;33(9):1850-62 (Univ. of Utah – Unres. Grant). Keyword(s): AMD; Gene Research/Therapy

VANDERBILT UNIVERSITY

AMERICAN JOURNAL OF OPHTHALMOLOGY


INVESTIGATIVE OPHTHALMOLOGY AND VISUAL SCIENCE


JAMA OPHTHALMOLOGY


OPHTHALMOLOGY

Dave SB, Toma HS, Kim SJ. Changes in ocular flora in eyes exposed to ophthalmic antibiotics. Ophthalmology. 2013 May;120(5):937-41 (Vanderbilt Univ. – Unres. Grant). Keyword(s): Uveitis/Infectious Diseases
OTHER PROFESSIONAL PUBLICATIONS – UNITED STATES AND FOREIGN


Crish SD, Dapper JD, MacNamee SE, Balaram P, Sidorova TN, Lambert WS, Calkins DJ. *Failure of axonal transport induces a spatially coincident increase in astrocyte BDNF prior to synapse loss in a central target*. Neuroscience. 2013 Jan 15;229:55-70 (Vanderbilt Univ. – Unres. Grant). Keyword(s): Glaucoma; Optic Neuropathy


Inman DM, Lambert WS, Calkins DJ, Horner PJ. **Alpha-lipoic acid antioxidant treatment limits glaucoma-related retinal ganglion cell death and dysfunction.** PLoS One. 2013 Jun 5;8(6):e65389 (Vanderbilt Univ.–Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Glaucoma; Optic Neuropathy


Kuchtey J, Chang TC, Panagis L, Kuchtey RW. **Marfan syndrome caused by a novel FBN1 mutation with associated pigmentary glaucoma.** Am J Med Genet A. 2013 Apr;161A(4):880-3 (Vanderbilt Univ.–Career Development Awd and Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Gene Research/Therapy; Glaucoma


Schoenberger SD, Agarwal A. A novel mutation at the N-terminal domain of the TIMP3 gene in sorsby fundus dystrophy. Retina. 2013 Feb;33(2):429-35 (Vanderbilt Univ. – Unres. Grant). Keyword(s): Gene Research/Therapy; Retina/Retinal Diseases


Sonsino J, Mathe DS. Central vault in dry eye patients successfully wearing scleral lens. Optom Vis Sci. 2013 Sep;90(9):e248-51 (Vanderbilt Univ. – Unres. Grant). Keyword(s): Dry Eye


**INVESTIGATIVE OPHTHALMOLOGY AND VISUAL SCIENCE**


**JAMA OPHTHALMOLOGY**


Diabetic Retinopathy Clinical Research Network*. **Randomized clinical trial evaluating intravitreal ranibizumab or saline for vitreous hemorrhage from proliferative diabetic retinopathy.** JAMA Ophthalmol. 2013 Mar;131(3):283-93 (Univ. of Washington - Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Diabetic Retinopathy


Moore DB, Slabaugh MA. **Surgical outcomes and cost basis for resident-performed cataract surgery in an uninsured patient population.** JAMA Ophthalmol. 2013 Jul;131(7):891-7 (Univ. of Washington - Unres. Grant). Keyword(s): Cataract

**OPHTHALMOLOGY**

Ciolino JB, Belin MW, Todani A, Al-Arfaj K, Rudnisky CJ, Boston Keratoprosthesis Type 1 Study Group. **Retention of the boston keratoprosthesis type 1: Multicenter study results.** Ophthalmology. 2013 Jun;120(6):1195-200 (Univ. of Washington - Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Cornea

Lee BS, Munoz BE, West SK, Gower EW. **Functional improvement after one- and two-eye cataract surgery in the salisbury eye evaluation.** Ophthalmology. 2013 May;120(5):949-55 (Univ. of Washington - Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Cataract

Smith SD, Singh K, Lin SC, Chen PP, Chen TC, Francis BA, Jampel HD. **Evaluation of the anterior chamber angle in glaucoma: A report by the american academy of ophthalmology.** Ophthalmology. 2013 Oct;120(10):1985-97 (Univ. of Washington - Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Glaucoma


Van Gelder RN. **Toward first-line molecular diagnosis of ocular infectious disease.** Ophthalmology. 2013 Sep;120(9):1713-4 (Univ. of Washington - Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Uveitis/Infectious Diseases

Weiss AH, Phillips JO, Kelly JP. **Anatomic features and function of the macula and outcome of surgical tenotomy and reattachment in achiasma.** Ophthalmology. 2013 Jul;120(7):1469-75 (Univ. of Washington - Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Pediatric; Strabismus/Amblyopia/Eye Movement Disorders


**OTHER PROFESSIONAL PUBLICATIONS – UNITED STATES AND FOREIGN**

An L, Chao J, Johnstone M, Wang RK. **Noninvasive imaging of pulsatile movements of the optic nerve head in normal human subjects using phase-sensitive spectral domain optical coherence tomography.** Opt Lett. 2013 May 1;38(9):1512-4 (Univ. of Washington - Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Imaging


Chao JR, Bronner ME, Lwigale PY. Human fetal keratocytes have multipotent characteristics in the developing avian embryo. Stem Cells Dev. 2013 Aug 1;22(15):2186-95 (Univ. of Washington - Unres. Grant). Keyword(s): Stem Cell Research/Therapy

Chao J, Lamba D. An update on retinal stem cell therapy. Current Ophthalmology Reports. 2013 09/01;1(3):113-21 (Univ. of Washington – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Stem Cell Research/Therapy

Chen PP. Is diabetes, even without retinopathy, a risk factor for glaucoma filtering surgery failure in the age of anti-fibrosis agents? Br J Ophthalmol. 2013 May;97(5):541-2 (Univ. of Washington - Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Glaucoma


Kelly JP, Weiss AH. Detection of tumor progression in optic pathway glioma with and without neurofibromatosis type 1. Neuro Oncol. 2013 Nov;15(11):1560-7 (Univ. of Washington - Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Retina/Retinal Diseases

Lee BS, Lindstrom RL, Reeves SW, Hardten DR. Modern management of astigmatism. Int Ophthalmol Clin. 2013 Winter;53(1):65-78 (Univ. of Washington - Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Other (Refraction)


168
Milburn NJ, Neitz J, Chidester T, Lemelin M. New genetic technology may help pilots, aviation employees, and color vision researchers. Aviat Space Environ Med. 2013 Nov;84(11):1218-20 (Univ. of Washington - Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Gene Research/Therapy


Zhao H, Roychoudhury J, Doggett TA, Apte RS, Ferguson TA. Age-dependent changes in FasL (CD95L) modulate macrophage function in a model of age-related macular degeneration. Invest Ophthalmol Vis Sci. 2013 Aug 7;54(8):5321-31 (Washington Univ. – Unres. Grant). Keyword(s): AMD; Retina/Retinal Diseases


Li Q, Yan H, Ding TB, Han J, Shui YB, Beebe DC. Oxidative responses induced by pharmacologic vitreolysis and/or long-term hyperoxia treatment in rat lenses. Curr Eye Res. 2013 Jun;38(6):639-48 (Washington Univ. – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Cataract; Retina/Retinal Diseases


Zhong Q, Kowluru RA. Epigenetic modification of Sod2 in the development of diabetic retinopathy and in the metabolic memory: Role of histone methylation. Invest Ophthalmol Vis Sci. 2013 Jan 14;54(1):244-50 (Wayne State Univ. - Unres. Grant). Keyword(s): Gene Research/Therapy (Epigenetics; Metabolic Memory; Mitochondria)

Zhong Q, Mishra M, Kowluru RA. Transcription factor Nrf2-mediated antioxidant defense system in the development of diabetic retinopathy. Invest Ophthalmol Vis Sci. 2013 Jun 6;54(6):3941-8 (Wayne State Univ. – Unres. Grant). Keyword(s): Diabetic Retinopathy; Other (Oxidative Stress; Nrf2)


Bissig D, Goebel D, Berkowitz BA. Diminished vision in healthy aging is associated with increased retinal L-type voltage gated calcium channel ion influx. PLoS One. 2013;8(2):e56340 (Wayne State Univ. – Unres. Grant). Keyword(s): Other (Aging)

Devi TS, Hosoya K, Terasaki T, Singh LP. Critical role of TXNIP in oxidative stress, DNA damage and retinal pericyte apoptosis under high glucose: Implications for diabetic retinopathy. Exp Cell Res. 2013 Apr 15;319(7):1001-12 (Wayne State Univ. – Unres. Grant). Keyword(s): Diabetic Retinopathy; Other (Oxidative Stress; Pericyte Apoptosis; TXNIP)

Frank RN. Diabetes, diabetic retinopathy, and age-related macular degeneration: An unexpected relationship. Retina. 2013 May;33(5):899-900 (Wayne State Univ. – Unres. Grant). Keyword(s): AMD; Macular Dystrophy


Ivanova E, Lee P, Pan ZH. Characterization of multiple bistratified retinal ganglion cells in a purkinje cell protein 2-cre transgenic mouse line. J Comp Neurol. 2013 Jun 15;521(9):2165-80 (Wayne State Univ. – Unres. Grant). Keyword(s): Retina/Retinal Diseases; Other (Bistratified Retinal Ganglion Cells; Cre-transgenic Mouse)

Kowluru RA. Mitochondria damage in the pathogenesis of diabetic retinopathy and in the metabolic memory associated with its continued progression. Curr Med Chem. 2013;20(26):3226-33 (Wayne State Univ. – Unres. Grant). Keyword(s): Diabetic Retinopathy; Other (Metabolic Memory; Mitochondria)

Lenkowski JR, Qin Z, Sifuentes CJ, Thummel R, Soto CM, Moens CB, Raymond PA. Retinal regeneration in adult zebrafish requires regulation of TGFbeta signaling. Glia. 2013 Oct;61(10):1687-97 (Wayne State Univ. – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Other (Muller Glia; Photoreceptor;six3b; tgif1)

Lu Q, Ivanova E, Ganjawala TH, Pan ZH. Cre-mediated recombination efficiency and transgene expression patterns of three retinal bipolar cell-expressing cre transgenic mouse lines. Mol Vis. 2013 Jun 12;19:1310-20 (Wayne State Univ. – Unres. Grant). Keyword(s): Retina/Retinal Diseases; Other (Cre-transgenic Mouse; Retinal Bipolar Cells)


Santos JM, Kowluru RA. Impaired transport of mitochondrial transcription factor A (TFAM) and the metabolic memory phenomenon associated with the progression of diabetic retinopathy. Diabetes Metab Res Rev. 2013 Mar;29(3):204-13 (Wayne State Univ. – Unres. Grant). Keyword(s): Diabetic Retinopathy; Other (Metabolic Memory; Mitochondria)

Santos JM, Tewari S, Lin JY, Kowluru RA. Interrelationship between activation of matrix metalloproteinases and mitochondrial dysfunction in the development of diabetic retinopathy. Biochem Biophys Res Commun. 2013 Sep 6;438(4):760-4 (Wayne State Univ. – Unres. Grant). Keyword(s): Diabetic Retinopathy; Other (Epigenetics; Matrix Metalloproteinase; Mitochondria)

Shimano T, Fykolodziej B, Mirza N, Asako M, Tomoda K, Bledsoe S, Pan ZH, Molitor S, Holt AG. Assessment of the AAV-mediated expression of channelrhodopsin-2 and halorhodopsin in brainstem neurons mediating auditory signaling. Brain Res. 2013 May 20;1511:138-52 (Wayne State Univ. – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Gene Research/Therapy (Gene Expression)

Singh LP. Thioredoxin interacting protein (TXNIP) and pathogenesis of diabetic retinopathy. J Clin Exp Ophthalmol. 2013 Aug 5;4:287 (Wayne State Univ. – Unres. Grant). Keyword(s): Diabetic Retinopathy; Other (Inflammation; Mitochondrial Dysfunction; ROS/RNS Stress; TXNIP)

Thomas JL, Thummel R. A novel light damage paradigm for use in retinal regeneration studies in adult zebrafish. J Vis Exp. 2013 Oct 24(80):e51017 (Wayne State Univ. – Unres. Grant). Keyword(s): Retina/Retinal Diseases; Other (Photoreceptor; Regeneration; Zebrafish)


Zhong Q, Kowluru RA. Regulation of matrix metalloproteinase-9 by epigenetic modifications and the development of diabetic retinopathy. Diabetes. 2013 Jul;62(7):2559-68 (Wayne State Univ. – Unres. Grant). Keyword(s): Diabetic Retinopathy; Gene Research/Therapy (Epigenetics); Other (Matrix Metalloproteinase)


Bakri SJ, Alniemi ST, Chan RV. Experiences of vitreoretinal surgery fellows in the united states. Retina. 2013 Feb;33(2):392-6 (Weill Cornell Medical College – Unres. Grant). Keyword(s): Pediatric; Retina/Retinal Diseases


Kim C, Kacker A, Pearlman AN, Lelli GJ. Results of combined multispecialty endoscopic dacryocystorhinostomy. Orbit. 2013 Aug;32(4):235-8 (Weill Cornell Medical College – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Dacryocystorhinostomy; Endoscopy; Nasolacrimal Duct Obstruction; Otolaryngology


Witmer MT, Kiss S. **Wide-field imaging of the retina.** Surv Ophthalmol. 2013 Mar-Apr;58(2):143-54 (Weill Cornell Medical College - Physician-Scientist Awd and Unres. Grant). Keyword(s): Retina/Retinal Diseases


WEST VIRGINIA UNIVERSITY

AMERICAN JOURNAL OF OPHTHALMOLOGY


JAMA OPHTHALMOLOGY


OTHER PROFESSIONAL PUBLICATIONS – UNITED STATES AND FOREIGN


J Biol Chem. 2013 Sep 6;288(36):25760-8 (West Virginia Univ. – Challenge Grant). Keyword(s): Retina/Retinal Diseases

Majumder A, Pahlberg J, Boyd KK, Kerov V, Kolandaivelu S, Ramamurthy V, Sampath AP, Artemyev NO. Transducin translocation contributes to rod survival and enhances synaptic transmission from rods to rod bipolar cells. Proc Natl Acad Sci U S A. 2013 Jul 23;110(30):12468-73 (West Virginia Univ. – Challenge Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Retina/Retinal Diseases


**INVESTIGATIVE OPHTHALMOLOGY AND VISUAL SCIENCE**


Pilat A, Herrnreiter AM, Skumatz CM, Sarna T, Burke JM. *Oxidative stress increases HO-1 expression in ARPE-19 cells, but melanosomes suppress the increase when light is the stressor*. Invest Ophthalmol Vis Sci. 2013 Jan 7;54(1):47-56 (Medical College of Wisconsin – Unres. Grant). Keyword(s): AMD; Retina/Retinal Diseases


**JAMA OPHTHALMOLOGY**


Han DP. *Age-related macular degeneration, anti-VEGF therapy, and ophthalmic imaging: Is there a best practice?* JAMA Ophthalmol. 2013 Sep;131(9):1124-6 (Medical College of Wisconsin – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Imaging; Retina/Retinal Diseases

Han DP, Szabo A. *Flashes, floaters, and oral fluoroquinolones: Is retinal detachment a worry?* JAMA Ophthalmol. 2013 Jan;131(1):91-3 (Medical College of Wisconsin – Unres. Grant). Keyword(s): Retina/Retinal Diseases; Retinal Detachment

Kay DB, Land ME, Cooper RF, Dubis AM, Godara P, Dubra A, Carroll J, Stepien KE. *Outer retinal structure in best vitelliform macular dystrophy*. JAMA Ophthalmol. 2013 Sep;131(9):1207-15 (Medical College of Wisconsin – Career Development Awd and Unres. Grant). Keyword(s): Imaging; Macular Dystrophy; Retina/Retinal Diseases
Reichstein DA, Larsen BP, Kim JE. **Management of persistent subretinal fluid following retinal detachment repair.** JAMA Ophthalmol. 2013 Sep;131(9):1240-4 (Medical College of Wisconsin – Unres. Grant). Keyword(s): Retina/Retinal Diseases; Retinal Detachment

**OPHTHALMOLOGY**

Dubis AM, Subramaniam CD, Godara P, Carroll J, Costakos DM. **Subclinical macular findings in infants screened for retinopathy of prematurity with spectral-domain optical coherence tomography.** Ophthalmology. 2013 Aug;120(8):1665-71 (Medical College of Wisconsin – Unres. Grant). Keyword(s): Imaging; Pediatric; Retina/Retinal Diseases


**OTHER PROFESSIONAL PUBLICATIONS – UNITED STATES AND FOREIGN**

Carroll J, Kay DB, Scoles D, Dubra A, Lombardo M. **Adaptive optics retinal imaging--clinical opportunities and challenges.** Curr Eye Res. 2013 Jul;38(7):709-21 (Medical College of Wisconsin – Career Development Awd and Unres. Grant). Keyword(s): Imaging; Retina/Retinal Diseases


Griepentrog GJ, Lucarelli MJ. **Anatomical position of hyaluronic acid gel following injection to the eyebrow.** Ophthal Plast Reconstr Surg. 2013 Sep;29(5):364-6 (Medical College of Wisconsin – Unres. Grant). Keyword(s): Plastic Surgery


Hansen SO, Cooper RF, Dubra A, Carroll J, Weinberg DV. **Selective cone photoreceptor injury in acute macular neuroretinopathy.** Retina. 2013 Sep;33(8):1650-8 (Medical College of Wisconsin – Unres. Grant). Keyword(s): Imaging; Retina/Retinal Diseases


Ito S, Pilat A, Gerwat W, Skumatza CM, Ito M, Kiyono A, Zadlo A, Nakanishi Y, Solbe L, Burke JM, Sarna T, Wakamatsu K. **Photogaging of human retinal pigment epithelium is accompanied by oxidative modifications of its eumelanin.** Pigment Cell Melanoma Res. 2013 May;26(3):357-66 (Medical College of Wisconsin - Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): AMD; Retina/Retinal Diseases

Kim JE, Chung M. **Adaptive optics for retinal imaging: Current status.** Retina. 2013 Sep;33(8):1483-6 (Medical College of Wisconsin – Unres. Grant). Keyword(s): Imaging; Retina/Retinal Diseases


Provis JM, Dubis AM, Maddess T, Carroll J. **Adaptation of the central retina for high acuity vision: Cones, the fovea and the avascular zone.** Prog Retin Eye Res. 2013 Jul;35:63-81 (Medical College of Wisconsin – Unres. Grant). Keyword(s): Imaging; Retina/Retinal Diseases


**UNIVERSITY OF WISCONSIN**

**INVESTIGATIVE OPHTHALMOLOGY AND VISUAL SCIENCE**


Croft MA, McDonald JP, Katz A, Lin TL, Lutjen-Drecoll E, Kaufman PL. Extralenticular and lenticular aspects of accommodation and presbyopia in human versus monkey eyes. Invest Ophthalmol Vis Sci. 2013 Jul 26;54(7):5035-48 (Univ. of Wisconsin – Unres. Grant). Keyword(s): Myopia/Presbyopia; Other (Lens; Ciliary Muscle; Human; Accommodation)


Heyne GW, Kiland JA, Kaufman PL, Gabelt BT. Effect of nitric oxide on anterior segment physiology in monkeys. Invest Ophthalmol Vis Sci. 2013 Jul 30;54(7):5103-10 (Univ. of Wisconsin – Unres. Grant). Keyword(s): Other (Intraocular Pressure; Nitric Oxide; Outflow Facility)


Azari AA, Barney NP. **Conjunctivitis: A systematic review of diagnosis and treatment.** JAMA. 2013 Oct 23;310(16):1721-9 (Univ. of Wisconsin – Unres. Grant). Keyword(s): Other (Conjunctivitis)


Klein R, Klein BE. **Is the prevalence of visual impairment rising or falling in the people with diabetes mellitus? It depends on who you study.** JAMA Ophthalmol. 2013 Jul;131(7):948-50 (Univ. of Wisconsin – Unres. Grant). Keyword(s): Diabetic Retinopathy; Low Vision


Kushner BJ. **Torsion and pattern strabismus: Potential conflicts in treatment.** JAMA Ophthalmol. 2013 Feb;131(2):190-3 (Univ. of Wisconsin – Unres. Grant). Keyword(s): Other (Rectus Muscle)


McKay GJ, Loane E, Nolan JM, Patterson CC, Meyers KJ, Mares JA, Yonova-Doing E, Hammond CJ, Beatty S, Silvestri G. **Investigation of genetic variation in scavenger receptor class B, member 1 (SCARB1) and association with serum carotenoids.** Ophthalmology. 2013 Aug;120(8):1632-40 (Univ. of Wisconsin – Unres. Grant). Keyword(s): AMD; Retina/Retinal Diseases


Griepentrog GJ, Lemke BN, Burkat CN, Rose JG, Jr, Lucarelli MJ. **Anatomical position of hyaluronic acid gel following injection to the infraorbital hollows.** Ophthal Plast Reconstr Surg. 2013 Jan-Feb;29(1):35-9 (Univ. of Wisconsin – Unres. Grant). Keyword(s): Other (Hyaluronic Acid Gel)


Griepentrog GJ, Lucarelli MJ. **Anatomical position of hyaluronic acid gel following injection to the eyebrow.** Ophthal Plast Reconstr Surg. 2013 Sep-Oct;29(5):364-6 (Univ. of Wisconsin – Unres. Grant). Keyword(s): Other (Hyaluronic Acid Gel)


Kolb AW, Ane C, Brandt CR. **Using HSV-1 genome phylogenetics to track past human migrations.** PLoS One. 2013 Oct 16;8(10):e76267 (Univ. of Wisconsin – Unres. Grant). Keyword(s): Other (Herpes Simplex Virus)

McLellan GJ, Kemmerling JP, Kiland JA. Validation of the TonoVet(R) rebound tonometer in normal and glaucomatous cats. Vet Ophthalmol. 2013 Mar;16(2):111-8 (Univ. of Wisconsin – Unres. Grant). Keyword(s): Glaucoma; Other (Cat; Intraocular Pressure; Manometry)


Palenski TL, Sorenson CM, Jefcoate CR, Sheibani N. Lack of Cyp1b1 promotes the proliferative and migratory phenotype of perivascular supporting cells. Lab Invest. 2013 Jun;93(6):646-62 (Univ. of Wisconsin – Unres. Grant). Keyword(s): Other (Angiogenesis; Cell Migration; Extracellular Matrix Proteins)

Palenski TL, Sorenson CM, Sheibani N. Inflammatory cytokine-specific alterations in retinal endothelial cell function. Microvasc Res. 2013 Sep;89:57-69 (Univ. of Wisconsin – Unres. Grant). Keyword(s): Other (Angiogenesis; Cell Migrations; Extracellular Matrix Proteins)


Schlamp CL, Montgomery AD, Mac Nair CE, Schuart C, Willmer DJ, Nickells RW. Evaluation of the percentage of ganglion cells in the ganglion cell layer of the rodent retina. Mol Vis. 2013 Jun 27;19:1387-96 (Univ. of Wisconsin – Unres. Grant). Keyword(s): Retina/Retinal Diseases; Other (Ganglion Cell)


Stewart KJ, Griepentrog GJ, Lucarelli MJ. **Modified full-thickness anterior blepharotomy for upper eyelid retraction in children.** J AAPOS. 2013 Apr;17(2):223-4 (Univ. of Wisconsin – Unres. Grant). Keyword(s): Other (Oculoplastics)


Tian B, Kaufman PL. **A potential application of canaloplasty in glaucoma gene therapy.** Transl Vis Sci Technol. 2013 Jan 31;2(1):2 (Univ. of Wisconsin – Unres. Grant). Keyword(s): Gene Research/Therapy; Glaucma; Other (Canaloplasty)

Toops KA, Lakkaraju A. **Let’s play a game of chutes and ladders: Lysosome fusion with the epithelial plasma membrane.** Commun Integr Biol. 2013 Jul 1;6(4):e24474 (Univ. of Wisconsin – Career Development Awd). Keyword(s): Other (Fusion Machinery; Membrane Repair; Polarized Epithelia; SNAREs)

Weinberg DV, Wahle AE, Ip MS, Scott IU, VanVeldhuisen PC, Blodi BA, SCORE Study Investigator Group. **Score study report 12: Development of venous collaterals in the score study.** Retina. 2013 Feb;33(2):287-95 (Univ. of Wisconsin – Unres. Grant). Keyword(s): Retinal Vein and Artery Occlusion; Other (Corticosteroid; Intravitreal Pharmacotherapy; Venous Collateral)


Wichmann MA, Cruickshanks KJ, Nondahl DM, Chappell R, Klein BE, Klein R, Fischer ME. **Changes in environmental tobacco smoke exposure: The beaver dam experience.** WMJ. 2013 Apr;112(2):53-7 (Univ. of Wisconsin – Unres. Grant). Keyword(s): Epidemiology; Other (Tobacco)

Danis RP, Domalpally A, Chew EY, Clemons TE, Armstrong J, SanGiovanni JP, Ferris FL, 3rd, AREDS2 Study Group. **Methods and reproducibility of grading optimized digital color fundus photographs in the age-related eye disease study 2 (AREDS2 report number 2).** Invest Ophthalmol Vis Sci. 2013 Jul 8;54(7):4548-54 (Yale Univ. – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): AMD; Imaging

Grippo TM, Liu JH, Zebardast N, Arnold TB, Moore GH, Weinreb RN. **Twenty-four-hour pattern of intraocular pressure in untreated patients with ocular hypertension.** Invest Ophthalmol Vis Sci. 2013 Jan 17;54(1):512-7 (Yale Univ. – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Glaucoma

**JAMA OPHTHALMOLOGY**

Shield DR, Servat J, Paul S, Turbin RE, Moreau A, de la Garza A, El Rassi E, Silbert J, Lesser R, Levin F. **Periocular necrotizing fasciitis causing blindness.** JAMA Ophthalmol. 2013 Sep;131(9):1225-7 (Yale Univ. – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Plastic Surgery; Uveitis/Infectious Diseases

**OPHTHALMOLOGY**


Beier KT, Borghuis BG, El-Danaf RN, Huberman AD, Demb JB, Cepko CL. **Transsynaptic tracing with vesicular stomatitis virus reveals novel retinal circuitry.** J Neurosci. 2013 Jan 2;33(1):35-51 (Yale Univ. – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Retina/Retinal Diseases

Borghuis BG, Marvin JS, Looger LL, Demb JB. **Two-photon imaging of nonlinear glutamate release dynamics at bipolar cell synapses in the mouse retina.** J Neurosci. 2013 Jul 3;33(27):10972-85 (Yale Univ. – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Imaging; Retina/Retinal Diseases

Calvano CJ. **Need for lacrimal bypass surgery after medial canthal tumor resection: Survey of current practices.** Arch Clin Exp Surg. 2013;2(1):1-7 (Yale Univ. – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Ocular Oncology/Pterygium; Plastic Surgery

Elia MD, Kombo N, Abbed K, Levin F, Servat JJ. **Extraction of fronto-orbital metallic radio antenna through stallard orbitotomy.** Orbit. 2013 Apr;32(2):141-2 (Yale Univ. – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Plastic Surgery

Garrigosa FL, Ledesma IG, Servat JJ. Large frontal osteoid osteoma with orbital extension. Orb. 2013 Oct;32(5):336-7 (Yale Univ. – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Ocular Oncology/Pterygium; Plastic Surgery


Konstas AG, Quaranta L, Katsanos A, Riva I, Tsai JC, Giannopoulos T, Voudouragkaki IC, Paschalinou E, Floriani I, Haidich AB. Twenty-four hour efficacy with preservative free tafluprost compared with latanoprost in patients with primary open angle glaucoma or ocular hypertension. Br J Ophthalmol. 2013 Dec;97(12):1510-5 (Yale Univ. – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Glaucoma


Materin MA, Kuzmik GA, Jubinsky PT, Minja FJ, Asnes JD, Bulsara KR. Verification of supralselective drug delivery for retinoblastoma using intra-arterial gadolinium. J Neurointerv Surg. 2013 Nov;5(6):e42 (Yale Univ. – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Nanotechnology/Drug Delivery; Ocular Oncology/Pterygium; Pediatric; Retina/Retinal Diseases


Sigler EJ, Mascarenhas KG, Tsai JC, Loewen NA. Clinicopathologic correlation of disc and peripapillary region using SD-OCT. Optom Vis Sci. 2013 Jan;90(1):84-93 (Yale Univ. – Challenge Grant). Keyword(s): Glaucoma; Imaging

Tsai JC. Canadian journal of ophthalmology lecture: Translational research advances in glaucoma neuroprotection. Can J Ophthalmol. 2013 Jun;48(3):141-5 (Yale Univ. – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Glaucoma

Wong RK, Greene DP, Shield DR, Eberhart CG, Huang JJ, Shayegani A. 5-fluorouracil for epithelial downgrowth after descemet stripping automated endothelial keratoplasty. Cornea. 2013 Dec;32(12):1610-2 (Yale Univ. – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Cornea

Yang E, Fisher M, Servat J, Levin F. Neonatal orbital abscess after sinus surgery: Case report and brief review. Orbit. 2013 Oct;32(5):312-4 (Yale Univ. – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Pediatrics (Neonate); Plastic Surgery; Uveitis/Infectious Diseases

Yun SH, Levin F, Servat J. Demodex folliculitis presenting as periocular vesiculopustular rash. Orbit. 2013 Dec;32(6):370-1 (Yale Univ. – Unres. Grant). RPB support has been inadvertently omitted by grantee institution. Keyword(s): Uveitis/Infectious Diseases