

UNIVERSITY OF CALIFORNIA, LOS ANGELES
DEPARTMENT OF OPHTHALMOLOGY

AMERICAN JOURNAL OF OPHTHALMOLOGY

Bakhoun MF, Freund KB, Dolz-Marco R, Leong BC, Baurnal CR, Duker JS, Sarraf D. **Paracentral acute middle maculopathy and the ischemic cascade associated with retinal vascular occlusion.** Am J Ophthalmol. 2018 Nov;195:143-153. (Univ. of California, Los Angeles – Unres. Grant) Keyword(s): Retinal/Retinal diseases.

Borrelli E, Shi Y, Uji A, Balasubramanian S, Nassisi M, Sarraf D, Sadda SR. **Topographical analysis of the choriocapillaris in intermediate age-related macular degeneration.** Am J Ophthalmol. 2018 Dec;196:34-43 (Univ. of California, Los Angeles – Unres. Grant) Keyword(s): Other (Age-related macular degeneration). RPB support has been inadvertently omitted by grantee institution.

Clark RA, Demer JL. **Magnetic resonance imaging of the globe-tendon interface for extraocular muscles: is there an “Arc of Contact”?** Am J Ophthalmol. 2018 Oct;94:170-181. (Univ. of California, Los Angeles – Unres. Grant) Keyword(s): Amblyopia/eye movement disorders; neuro-ophthalmology/strabismus

Glasgow B, McCannel T. **Correlation of immunocytochemistry of BRCA1-associated protein-1 (BAP1) with other prognostic markers in uveal melanoma.** Am J Ophthalmol. 2018 May;189:122-126. (Univ. of California, Los Angeles – Unres. Grant) Keyword(s): Other (uveal melanoma)

Holland G, Rosenbaum J. **The challenge of blau syndrome.** Am J Ophthalmol. 2018 Mar;187:xviii-xix. (Univ. of California, Los Angeles – Unres. Grant) Keyword(s): Other (Blau syndrome)

INVESTIGATIVE OPHTHALMOLOGY AND VISUAL SCIENCE

Stark DT, Anderson DMG, Kwong JMK, Patterson NH, Schey KL, Caprioli RM, Caprioli J. **Optic nerve regeneration after crush remodels the injury site: molecular insights from imaging mass spectrometry.** Invest Ophthalmol Vis Sci. 2018 Jan; 59(1):212-222. (Univ. of California, Los Angeles – Unres. Grant) Keyword(s): Glaucoma

Suh SY, Clark RA, Demer JL. **Optic nerve sheath tethering in adduction occurs in esotropia and hypertropia, but not in exotropia.** Invest Ophthalmol Vis Sci. 2018 Jun1;59(7):2889-2904 (Univ. of California, Los Angeles – Unres. Grant) Keyword(s): Amblyopia/eye movement disorder; neuro-ophthalmology/strabismus

Yun J, Xiao T, Zhou L, Beuerman R, Li J, Zhao Y, Hadayer A, Zhang X, Sun D, Kaplan H, Shao G. **Local S100A8 levels correlate with recurrence of experimental autoimmune uveitis and promote pathogenic T cell activity.** Invest Ophthalmol Vis Sci. 2018 Mar 1;59(3):1332-1342. (Univ. of California, Los Angeles – Unres. Grant) Keyword(s): Other (Recurrent autoimmune uveitis/immune regulation/autoreactive T cells/damage associated/molecular patterns/S1008/9/HMGB1)

JAMA OPHTHALMOLOGY

Au A, Hou K, Baupal CR, Sarraf D. **Radial Hemorrhage in Henle Layer in Macular Telangiectasia Type 2.** JAMA Ophthalmol. 2018 Oct 1;136(10):1182-1185. (Univ. of California, Los Angeles – Unres. Grant) Keyword(s): Other (Macular Telangiectasia Type 2)

Freund KB, Sarraf D, Leong BCS, Garrity ST, Vupparaboina KK, Dansingani KK. **Association of optical coherence tomography angiography of collaterals in retinal vein occlusion with major venous outflow through the deep vascular complex.** JAMA Ophthalmol. 2018 Aug;136(11):1262-1270. (Univ. of California, Los Angeles – Unres. Grant) Keyword(s): Retina/retinal diseases. RPB support has been inadvertently omitted by grantee institution.

Lim M, Holland G. **Clinical concepts, coding, and how it relates to big data.** JAMA Ophthalmol. 2018 Oct 1;136(10):1191-1192. (Univ. of California, Los Angeles – Unres. Grant) Keyword(s): Other (Big Data)

Nguyen AH, Fatehi N, Romero P, Miraftebi A, Kim E, Morales E, Giaconi J, Coleman AL, Law SK, Caprioli J, Nouri-Mahdavi K. **Observational outcomes of initial trabeculectomy with mitomycin C in patients of African descent vs patients of European descent: five-year results.** JAMA Ophthalmol. 2018 Oct; 136(10):1106-1113. (Univ. of California, Los Angeles – Unres. Grant) Keyword(s): Glaucoma.

Scott I, VanVeldhuisen P, Ip M, Blodi B, Oden N, Altaweel M, Berinstein D. **Comparison of monthly vs treat-and-extend regimens for individuals with macular edema who respond well to anti-vascular endothelial growth factor medications: secondary outcomes from the SCORE2 randomized clinical trial.** JAMA Ophthalmol. 2018 Apr 1;136(4):337-345. (Univ. of California, Los Angeles – Unres. Grant) Keyword(s): Other (Retinal vein occlusion; SCORE2)

Sears C, Nittala M, Jayadev C, Verhoek M, Fleming A, Hemert J, Tsui I, Sadda S. **Comparison of subjective assessment and precise quantitative assessment of lesion distribution in diabetic retinopathy.** JAMA Ophthalmol. 2018 Apr 1;136(4):365-371. (Univ. of California, Los Angeles – Medical Student Fellowship and Unres. Grant) Keyword(s): Diabetic retinopathy.

Velez FG, Davila JP, Diaz A, Corradetti G, Sarraf D, Pineles SL. **Association of change in iris vessel density in optical coherence tomography angiography with anterior segment ischemia after strabismus surgery.** JAMA Ophthalmol. 2018 Sep; 136(9):1041-1045. (Univ. of California, Los Angeles, Unres. Grant) Keywords: Strabismus/Amblyopia/Eye Movement Disorders

Williamson T, Jorge-Miller A, McCannel T, Beran T, Stanton A. **Sociodemographic, medical, and psychosocial factors associated with supportive care needs in adults diagnosed with uveal melanoma.** JAMA Ophthalmol. 2018 Apr 1;136(4):356-363. (Univ. of California, Los Angeles – Unres. Grant) Keyword(s): Other (Uveal Melanoma)

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Deng SX, Lee WB, Hammersmith KM, Kuo AN, Li JY, Shen JF, Weikert MP, Shtein RM. **Descemet membrane endothelial keratoplasty: safety and outcomes: a report by the american academy of ophthalmology.** Ophthalmology. 2018 Feb; 125(2):295-310. Keyword(s): Cornea; Other (DMEK). RPB support has been inadvertently omitted by grantee institution.

OTHER PROFESSIONAL PUBLICATIONS-UNITED STATES

Alizadeh R, Akil H, Tan J, Law SK, Caprioli J. **Trabeculectomy outcomes after glaucoma drainage device surgery.** J Glaucoma. 2018 Feb; 27(2):133-139. (Univ. of California, Los Angeles – Unres. Grant) Keywords: Glaucoma

Chaudhuri Z, Demer JL. **Long-term surgical outcomes in the sagging eye syndrome.** Strabismus. 2018 Mar;26(1):6-10. (Univ. of California, Los Angeles – Unres. Grant) Keyword(s): Amblyopia/eye movement disorders; neuro-ophthalmology/strabismus

Cifuentes DL, Pineles SL, Demer JL, Velez FG. **Surgical success and lateral incomitance following three-muscle surgery for large-angle horizontal strabismus.** J AAPOS. 2018 Feb;22(1):17-21. (Univ. of California, Los Angeles – Walt and Lilly Disney Award and Unres. Grant) Keyword(s): Amblyopia/eye movement disorders; neuro-ophthalmology/strabismus

Demer JL. **Knobby eye syndrome.** Strabismus. 2018 Mar;26(1):33-41. (Univ. of California, Los Angeles – Unres. Grant) Keyword(s): Amblyopia/eye movement disorder; neuro-ophthalmology/strabismus.

Gu L, Bok D, Yu F, Caprioli J, Piri N. **Downregulation of splicing regulator RBFOX1 compromises visual depth perception.** PLoS One. 2018 Jul; 13(7):e0200417. (Univ. of California, Los Angeles – Unres. Grant) Keyword(s): Gene Research/Therapy; glaucoma

Gu L, Kwong JMK, Yadegari D, Yu F, Caprioli J, Piri N. **The effect of celastrol on the ocular hypertension-induced degeneration of retinal ganglion cells.** Neurosci Lett. 2018 Feb; 670:89-93. (Univ. of California, Los Angeles – Unres. Grant) Keyword(s): Glaucoma

Huang A, Penteadro R, Saha S, Do J, Ngai P, Hu Z, Weinreb R. **Fluorescein aqueous angiography in live normal human eyes.** J Glaucoma. 2018 Nov;27(11):957-964. (Univ. of California, Los Angeles – Career Development Award and Unres. Grant) Keyword(s): Glaucoma/outflow/angiography/aqueous humor

Le Q, Cordova D, Xu J, Deng SX. **In vivo evaluation of the limbus using anterior segment optical coherence tomography.** Transl Vis Sci Technol. 2018 Aug;7(4):12. (Univ. of California, Los Angeles – Unres. Grant) Keyword(s): Cornea; Other (Imaging)

Le Q, Xu J, Deng SX. **The diagnosis of limbal stem cell deficiency.** Ocul Surf. 2018 Jan; 16(1):58-69. (Univ. of California, Los Angeles – Unres. Grant) Keyword(s): Cornea; Other (Limbal Stem Cell Deficiency)

Le Q, Samson CM, Deng SX. **A case of corneal neovascularization misdiagnosed as total limbal stem cell deficiency.** Cornea. 2018 Aug; 37(8):1067-70. (Univ. of California, Los Angeles – Unres. Grant) Keyword(s): Cornea; Other (Limbal Stem Cell Deficiency)

Liang D, Shao H, Born W, O'Brien R, Kaplan H, Sun D. **Connection between $\gamma\delta$ T-cell- and adenosine-mediated immune regulation in the pathogenesis of experimental autoimmune uveitis.** Crit Rev Immunol. 2018;38(3):233-243. (Univ. of California, Los Angeles – Unres. Grant) Keyword(s): Other (Experimental autoimmune uveitis)

Liang D, Shao H, Born W, O'Brien R, Kaplan H, Sun D. **High level expression of A2ARs is required for the enhancing function, but not for the inhibiting function, of $\gamma\delta$ T cells in the autoimmune responses of EAU.** PLoS One. 2018 Nov 8;13(11):e0207546. (Univ. of California, Los Angeles – Unres. Grant) Keyword(s): Other (Experimental autoimmune uveitis), Immunology. RPB support has been inadvertently omitted by Journal.

Liang D, Woo J, Shao H, Born W, O'Brien R, Kaplan H, Sun D. **Ability of $\gamma\delta$ T cells to modulate the Foxp3 response is dependent on adenosine.** PLoS One. 2018 May 17;13(5):e0197189. (Univ. of

California, Los Angeles – Unres. Grant) Keyword(s): Immunology. RPB support has been inadvertently omitted by Journal.

Peng Y, Baulier E, Ke Y, Young A, Ahmedli N, Schwartz S, Farber D. **Human embryonic stem cells extracellular vesicles and their effects on immortalized human retinal Müller cells.** PLoS One. 2018 Mar 14;13(3):e0194004. (Univ. of California, Los Angeles – Unres. Grant) Keyword(s): Retina/retinal diseases

Pineles SL, Velez FG. **Isolated ocular motor nerve palsies.** J Binocul Vis Ocul Motil. 2018 Jul; 68(3):70-77. (Univ. of California, Los Angeles, Unres. Grant) Keywords: Strabismus/Amblyopia/Eye Movement Disorders

Romero P, Hirunpatravong P, Alizadeh R, Kim EA, Nouri-Mahdavi K, Morales E, Law SK, Caprioli J. **Trabeculectomy with mitomycin-c: outcomes and risk factors for failure in primary angle-closure glaucoma.** J Glaucoma. 2018 Feb; 27(2):101-107. (Univ. of California, Los Angeles – Unres. Grant) Keyword(s): Glaucoma

Shin A, Park J, Demer JL. **Opto-mechanical characterization of sclera by polarization sensitive optical coherence tomography.** J Biomech. 2018 Apr 27;72:173-179. (Univ. of California, Los Angeles – Unres. Grant) Keyword(s): Amblyopia/eye movement disorders; glaucoma; neuro-ophthalmology/strabismus.

Sung S, Dabironezare S, Llombart N, Selvin S, Bajwa N, Chantra S, Nowroozi B, Garritano J, Goell J, Li A, Deng SX, Brown E, Grundfest WS, Taylor ZD. **Optical system design for noncontact, normal incidence, THz imaging of in vivo human cornea.** IEEE Trans Terahertz Sci Technol. 2018 Jan;8(1):1-12. (Univ. of California, Los Angeles - Keyword(s): Cornea; Other (Imaging). RPB support has been inadvertently omitted by grantee institution.

Wilson J, Gerber M, Prince S, Chen C, Dchwartz S, Hubschman J, Tsao T. **Intraocular robotic interventional surgical system (IRISS): mechanical design, evaluation, and master-slave manipulation.** Int J Med Robot. 2018 Feb;14(1): 1-12. (Univ. of California, Los Angeles – Unres. Grant) Keyword(s): Other (Computer assisted surgery, imaging)

Sung S, Selvin S, Bajwa N, Chantra S, Nowroozi B, Garritano J, Goell J, Li A, Deng SX, Brown E, Grundfest WS, Taylor ZD. **THz imaging system for in vivo human cornea.** IEEE Trans Terahertz Sci Technol. 2018 Jan; 8(1):27-37. (Univ. of California, Los Angeles – Unres. Grant) Keyword(s): Cornea; Other (imaging). RPB support has been inadvertently omitted by grantee institution.

Zhang XM, Hashimoto T, Tang R, Yang XJ. **Elevated expression of human bHLH factor ATOH7 accelerates cell cycle progression of progenitors and enhances production of avian retinal ganglion cells.** Sci Rep. 2018 May; 8(1):6823. (Univ. of California, Los Angeles – Unres. Grant) Keyword(s): Retina/Retinal Diseases; Stem Cell Research/Therapy

OTHER PROFESSIONAL PUBLICATIONS-FOREIGN

Borrelli E, Sarraf D, Freund KB, Sadda SR. **OCT angiography and evaluation of the choroid and choroidal vascular disorders.** Prog Retin Eye Res. 2018 Nov; 67:30-55. (Univ. of California, Los Angeles – Unres. Grant). Keyword(s): Other (OCT)

Law SM, Lu X, Yu F, Tseng V, Law SK, Coleman AL. **Cigarette smoking and glaucoma in the united States population.** Eye (Lond). 2018 Apr; 32(4):716-725. (Univ. of California, Los Angeles – Unres. Grant) Keywords: Glaucoma