

Doheny Faculty Publications 2008

1. Bhadri PR, Kumar SA, Salgaonkar VA, Beyette FR, Clark JF. Development of an integrated hardware and software platform for the rapid detection of cerebral aneurysm rupture. *Analog Integr Circ Sig Process* 2008;56:127-134.
NS42697, HL067186, and NS042308, The Neuroscience Institute
2. Broman AT, Quigley HA, West SK, Katz J, Munoz B, Bandeen-Roche K, Tielsch JM, Friedman DS, Crowston J, Taylor HR, **Varma R**, Leske MC, Bengtsson B, Heijl A, He M, Foster PJ. Estimating the rate of progressive visual field damage in those with open-angle glaucoma, from cross-sectional data. *Invest Ophthalmol Vis Sci* 2008;49:66-76.
01765, EY11753, Livingston and Saranne Kosberg
3. Deschenes J, Murray PI, **Rao NA**, Nussenblatt RB. International uveitis study group (IUSG) clinical classification of uveitis. *Ocul Immunol Inflamm* 2008;16:1-2.
No support listed.
4. Ding C, Rife L, Nakamura T, Wang YW, Kopp K, **Schechter JE**. A novel, local technique for studying rabbit lacrimal gland secretion in situ. *Ophthalmic Res* 2008;40:49-52.
EY03040, EY10550, EY005801 Sjogren's Syndrome Foundation, Zumberge Fund,
5. Dong D, Ni M, Li J, Xiong S, Ye W, Virrey JJ, Mao C, Ye R, Wang M, Pen L, Dubeau L, Groshen S, **Hofman FM**, Lee AS. Critical role of the stress chaperone GRP78/BIP in tumor proliferation, survival, and tumor angiogenesis in transgene-induced mammary tumor development. *Cancer Res* 2008;68:498-505.
CA 027607, CA 111700
6. Hoki SL, **Varma R**, Lai MY, **Azen SP**, Klein R. Prevalence and associations of asymptomatic retinal emboli in Latinos: The Los Angeles Latino Eye Study (LALES). *Am J Ophthalmol* 2008;145:143-148.
EY03040, RPB, EY11753, RPB Sybil B Harrington.
7. Holland GN, Vaudaux JD, Shiramizu KM, Yu F, Goldenberg DT, Gupta A, Carlson M, **Read RW**, Novack RD, Kuppermann BD, So Calif HIVEYEC. Characteristics of untreated AIDS-related cytomegalovirus retinitis. II. Findings in the era of highly active antiretroviral therapy (1997 to 2000). *Am J Ophthalmol* 2008;145:12-22.
RPB, Elizabeth Taylor AIDS Foundation, Herb Ritts, Jr, Memorial Vision Fund, Charles Ruggles Foundation for Ophthalmic Research, Skirball Foundation, David May II Endowed Professorship, EY08057, AI27660, Emily Plumb Estate and Trust, RPB Physician-Scientist Award (Holland)
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9. Jiang GM, Ke Y, **Sun DM**, Han GC, Kaplan HJ, Shao H. Reactivation of uveitogenic T cells by retinal astrocytes derived from experimental autoimmune uveitis-prone B10RIII mice. *Invest Ophthalmol Vis Sci* 2008;49:282-289.
EY12974, EY14599, Vision Research Infrastructure Development Grant R24 EY015636, RPB career development award (HS), Commonwealth of Kentucky Research Challenge Trust Fund

10. Kim JK, Hayden AM, Sadun EA, Sebag J, **Sadun AA**. Response pattern asymmetry of binocular vision vertical fusion amplitudes in a normal population. *Binocul Vis Strabismus Q* 2008;23:23-30.
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11. Lee JG, **Kay EP**. Involvement of two distinct ubiquitin E3 ligase systems for p27 degradation in corneal endothelial cells. *Invest Ophthalmol Vis Sci* 2008;49:189-196.
EY03040, RPB, EY06431
12. Li PY, Shih J, Lo R, Saati S, **Agrawal R, Humayun MS**, Tai YC, Meng E. An electrochemical intraocular drug delivery device. *Sensors Actuators A-Physical* 2008;143:41-48.
NSF EEC-0310723, Bausch & Lomb.
13. **Memarzadeh F**, Fahd AK, Shamie N, Chuck RS. Comparison of de-epithelialized amniotic membrane transplantation and conjunctival autograft after primary pterygium excision. *Eye* 2008;22:107-112.
EY00412-03
14. Norouziyan F, Shen WC, **Hamm-Alvarez SF**. Tyrophostin A8 stimulates a novel trafficking pathway of apically endocytosed transferrin through Rab11-enriched compartments in Caco-2 cells. *Am J Physiol Cell Physiol* 2008;294:C7-21.
GM-063647, HL-064365, EY-011386, DK-048522
15. Paeng DG, Nam KH, Li Y, **Humayun M**, Shung KK. Cyclic and radial variation of blood echogenicity from in vitro porcine blood and in vivo human carotid artery. *Biorheology* 2008;45:98-99.
No support listed (Symposium Abstract)
16. **Reddy HS, Chang E**. Images in clinical medicine. Penetrating orbital trauma. *N Engl J Med* 2008;358:e3.
No support listed
17. **Sadun AA**. On being a program director. *J Acad Ophthalmol* 2008;1:2-5.
No support listed
18. Schenke-Layland K, Xie J, Angelis E, Starcher B, Wu K, Riemann I, MacLellan WR, **Hamm-Alvarez SF**. Increased degradation of extracellular matrix structures of lacrimal glands implicated in the pathogenesis of Sjögren's syndrome. *Matrix Biol* 2008;27:53-66.
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19. Seiler MJ, **Thomas BB**, Chen Z, Arai S, Chadalavada S, Mahoney MJ, **Sadda SR**, Aramant RB. BDNF-treated retinal progenitor sheets transplanted to degenerate rats: Improved restoration of visual function. *Exp Eye Res* 2008;86:92-104.
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EY014366, EY017373, Vision Research Infrastructure Development (grant R24 EY015636), Commonwealth of Kentucky Research Challenge Trust Fund
22. Su DH, Friedman DS, See JL, Chew PT, Chan YH, Nolan WP, Smith SD, **Huang D**, Zheng C, Li Y, Foster PJ, Aung T. Degree of angle closure and extent of peripheral anterior synechiae: An anterior segment OCT study. *Br J Ophthalmol* 2008;92:103-107.
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Louis Fox, W.M. Keck Foundation
27. Choe TE, Medioni G, Cohen I, **Walsh AC**, **Sadda SR**. 2-D registration and 3-D shape inference of the retinal fundus from fluorescein images. *Med Image Anal* 2008;12:174-190.
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28. **Chopra V**, **Varma R**, **Francis BA**, Wu J, Torres M, **Azen SP**. Type 2 diabetes mellitus and the risk of open-angle glaucoma the Los Angeles Latino Eye Study. *Ophthalmology* 2008;115:227-232.
EY03040, RPB, EY11753, RPB Sybil B. Harrington
29. Fournie PR, Gordon GM, Dawson DG, Edelhauser HF, **Fini ME**. Correlations of long-term matrix metalloproteinase localization in human corneas after successful laser-assisted in situ keratomileusis with minor complications at the flap margin. *Arch Ophthalmol* 2008;126:162-170.
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30. Fraser-Bell S, Wu J, Klein R, **Azen SP**, Hooper C, Foong AW, **Varma R**. Cardiovascular risk factors and age-related macular degeneration: The Los Angeles Latino Eye Study. *Am J Ophthalmol* 2008;145:308-316.
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31. Jivrajka R, Shamma MC, Boenzi T, Swearingen M, Shamma HJ. Variability of axial length, anterior chamber depth, and lens thickness in the cataractous eye. *J Cataract Refract Surg* 2008;34:289-294.
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EY03040, EY015914, EY014375, Retino Vit Stiftung
33. Kardosh A, Golden EB, Pyrko P, Uddin J, **Hofman FM**, Chen TC, Louie SG, Petasis NA, **Schonthal AH**. Aggravated endoplasmic reticulum stress as a basis for enhanced glioblastoma cell killing by bortezomib in combination with celecoxib or its non-coxib analogue, 2,5-dimethyl-celecoxib. *Cancer Res* 2008;68:843-851.
Accelerate Brain Cancer Cure, Margaret E. Early Medical Research Trust
34. Kase S, **Rao NA**. Comment on the recent publication "conjunctival nodules associated with Vogt-Koyanagi-Harada disease". *Graefes Arch Clin Expl Ophthalmol* 2008;246:323-323.
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35. Kim LA, Khurana RN, Parikh JG, **Rao NA**. Melanin-laden macrophages in the CSF to diagnose Vogt-Koyanagi-Harada simulating ocular syphilis. *Ocul Immunol Inflamm* 2008;16:59-61.
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36. Magalhaes O, **Chong L**, Deboer C, Bhadri P, Kerns R, Barnes A, Fang S, **Humayun M**. Vitreous dynamics - vitreous flow analysis in 20-, 23-, and 25-gauge cutters. *Retina* 2008;28:236-241.
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RPB, EEC-0310723, W.M. Keck Foundation, Fannie & John Hertz Foundation, National Defense Science and Engineering Scholarship
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No support listed.
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51. Garcia-Filion P, Epport K, Nelson M, Azen C, Geffner ME, Fink C, **Borchert M**. Neuroradiographic, endocrinologic, and ophthalmic correlates of adverse developmental outcomes in children with optic nerve hypoplasia: A prospective study. *Pediatrics* 2008;121:E653-E659.
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57. Soora S, Gosalia K, **Humayun MS**, Lazzi G. A comparison of two and three dimensional dipole antennas for an implantable retinal prosthesis. *IEEE Trans Anten Prop* 2008;56:622-629.
No support listed
58. Sreekumar PG, Zhou J, Sohn J, Spee C, **Ryan SJ**, Maurer BJ, **Kannan R**, **Hinton DR**. N-(4-hydroxyphenyl) retinamide augments laser-induced choroidal neovascularization in mice. *Invest Ophthalmol Vis Sci* 2008;49:1210-1220.
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EY03040, EY015714. RPB
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INSERM, University Pierre & Marie Curie, Fondation Ophtalmologique Adolphe de Rothschild
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EY03040, RPB Sybil B. Harrington, EY 11753
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R01EY14428, R01EY14448, P30EY014800, GCRCM01-RR00064, Foundation Fighting Blindness, the Macular Vision Research Foundation, Veterans Affairs Merit Award, RPB, Burroughs Wellcome Fund Clinical Science Award in Translational Research Lew R. Wasserman Merit Award, DK54931, Juvenile Diabetes Research Foundation, Children's Health Research Center, GM59290, HL070048, National Heart, Lung, and Blood Institute, Edna Benning Foundation, American Heart Association, Burroughs Wellcome Fund Clinical Science Award in Translational Research, Flight Attendant Medical Research Institute.
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No support listed
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EY03040, U10 EY11753
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No support listed
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nonarteritic ischemic optic neuropathy. *Ophthalmic Surg Lasers Imaging* 2008;39:S71-79
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EY03040, RPB, EY013516, Optovue

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Korea Research Fund Grant from the Korean Government (MOEHRD, Basic Research Promotion Fund) (KRF-2005-E00174) and the Yonsei Research Fund (6-2006-0043)
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