
Research Administration Newsletter

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Doheny News

New Pending Proposals

PI: Mark S. Humayun, M.D., Ph.D.

Agency: NIH R01 (DEI Subcontract with USC as the Prime Institution)

Title: Cell-Embedded Functional Abiotic Nanosystems: A Paradigm Shift in Disease Detection, Monitoring, and Treatment

PI: Mark S. Humayun, M.D., Ph.D.

Agency: NIH R21 (DEI Subcontract with USC as the Prime Institution)

Title: Transmembrane Nanoactuators for Molecular Level Probing of Retinal Neuronal Cells

PI: Padmaja Thomas, Ph.D.

Agency: Sjögren's Syndrome Foundation

Title: Involvement of CD4⁺ CD25⁺ Regulatory T Cells in Autologous Mixed Cell Reaction and in Inducing Dacryoadenitis in a Rabbit Model

PI: James D. Weiland, Ph.D.

Agency: NIH R01

Title: Effects of Epiretinal Electrical Stimulation in the Rodent Retina

PI: Samuel C. Yiu, Ph.D., M.D.

Agency: NIH R01 Revision (DEI Subcontract with USC as the Prime Institution)

Title: Guiding the Treatment of Anterior Eye Disease with Optical Coherence Tomography

Dr. Humayun's Research Recognized

Click on links below to view recent articles on the retinal prosthesis.

http://www.newscientisttech.com/article.ns?id=dn11200&feedl=online-news_rss20

http://www.ivanhoe.com/channels/p_channelstory.cfm?storyid=15540

<http://news.bbc.co.uk/2/hi/science/nature/6368089.stm>

<http://www.4woman.gov/news/english/601990.htm>

<http://www.alalam.ir/english/en-NewsPage.asp?newsid=018060120070217101531>

http://www.timesonline.co.uk/tol/news/world/us_and_americas/article1398491.ece

<http://www.foxnews.com/story/0,2933,252600,00.html>

<http://www.guardian.co.uk/science/story/0,,2015270,00.html>

<http://www.cbc.ca/cp/HealthScout/070216/6021608AU.html>

<http://www.japantoday.com/jp/news/399379>

<http://www.cnbc.com/id/17186974/>

<http://www.pcworld.com/article/id.129129-c.techindustrytrends/article.html>

<http://www.vnunet.com/vnunet/news/2183527/boffins-build-bionic-eye>

<http://www.smh.com.au/articles/2007/02/17/1171405504244.html>

http://www.elpais.com/articulo/sociedad/ojo/bionico/permite/ciegos/recobrar/parcialmente/vision/elpepatec/20070218elpepisc_1/Tes

<http://www.technologyreview.com/Biotech/18193/>

<http://www.sciam.com/article.cfm?chanID=sa003&articleID=EBBB5CCB88B2CD2E2224917A325F903B>

<http://www.elmundo.es/elmundosalud/2007/02/16/biociencia/171645584.html>

ARVO 2007 Travel Grant Award Recipients

Congratulations to:



Hossein Ameri, M.D., FRCSI, MRCOphth
Recipient of the ARVO International Travel Grant. ARVO presentation: The effects of bevacizumab in VEGF-injected rabbit eyes.



Irina Bykhovskaya, M.D.
Recipient of the National Eye Institute Travel Grant. ARVO presentation: Effect of ranibizumab (Lucentis) treatment on visual acuity and OCT central thickness in patients who had previously been treated with other anti-VEGF agents compared to treatment naïve patients.



Carlos Lastra Gonzalez, M.D.

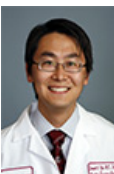
Recipient of the ARVO Foundation for Eye Research/ Retina Research Foundation/ Joseph M. and Eula C. Lawrence Travel Scholarship. ARVO presentation:

Optical coherence tomography measured retinal nerve fiber layer thickness using two different scan options.



Alan Horsager

Recipient of the National Eye Institute Travel Grant. ARVO presentation: A model of temporal integration during electrical stimulation of the human retina.



Leo Kim, M.D., Ph.D.

Recipient of the National Eye Institute Travel Grant. ARVO presentation: Microarray analysis of gene expression in transplanted retinal progenitor cells.



Harsha Reddy, M.D.

Recipient of the National Eye Institute Travel Grant. ARVO presentation: Myopia and glaucoma in adult Latinos: The Los Angeles Latino Eye Study (LALES).



Mingwu Wang, M.D., Ph.D.

Recipient of the National Eye Institute Travel Grant. ARVO presentation: Correlation between visual acuity and optical coherence tomography features in patients with neovascular age-related macular

degeneration using a novel protocol.



Rosanne Yetemian

Recipient of the The ARVO Foundation for Eye Research/ Richard Newton Lolley Travel Grant. ARVO presentation: Deciphering the role of phosphorylation in cone photoreceptor survival and death.



Freddi Zuniga

Recipient of the National Eye Institute Travel Grant. ARVO presentation: Identification and characterization of Rnd2 as a potential functional partner of cone arrestin.

NIH Announcements

Interim Guidance on Salary Limitation for Grants, Cooperative Agreements and Contracts

The FY 2006 Appropriation Act (P.L. 109-149) restricts the amount of direct salary to Executive Level I of the

Federal Executive Pay scale. The Office of Personnel Management has recently released new salary levels for the Executive Pay scale. Effective January 1, 2007, the salary limitation for Executive Level 1 is \$186,600. For a historical record of the salary cap, including effective dates see:

http://grants.nih.gov/grants/policy/salcap_summary.htm

Implementation of NIH Fiscal Policy for Non-Competing Grant Awards – FY 2007

To implement the FY2007 fiscal guidance, non-competing research awards will be awarded at 97.1% of the FY 2007 committed level. Future year commitments also will be adjusted accordingly. Institutes and centers (ICs) will maintain the flexibility to supplement such non-competing awards on a case by-case basis according to scientific and programmatic imperatives. However, such supplements will not be considered as part of the base for future budgetary adjustments.

Click link for details:

<http://grants.nih.gov/grants/guide/notice-files/NOT-OD-07-049.html>

NIH Policy on Allowable Costs for Grant Activities Involving Animals when Terms and Conditions are not Upheld

The purpose of this Notice is to clarify that no costs for activities with live vertebrate animals may be charged to NIH if there is not a valid Animal Welfare Assurance and Institutional Animal Care and Use Committee (IACUC) approval. This notice is applicable to grants and cooperative agreements involving activities with live vertebrate animals.

Click link for details:

<http://grants.nih.gov/grants/guide/notice-files/NOT-OD-07-044.html>

Findings of Research Misconduct

Jong Hyuk Park, Ph.D., University of Pittsburgh: Based on accumulated evidence including the University of Pittsburgh (UP) investigation committee report and additional analysis and information obtained by the Office of Research Integrity (ORI) during its oversight review, the U.S. Public Health Service (PHS) found that Jong Hyuk Park, Ph.D., former postdoctoral fellow, Pittsburgh Development Center of the Magee-Womens Research Institute, UP, engaged in research misconduct in research funded by National Center for Research Resources (NCRR), National Institutes of Health (NIH), grant R24 RR13632 and National Institute of Child Health and Human Development (NICHD), NIH, grant P01 HD047675.

Click link for details:

<http://grants.nih.gov/grants/guide/notice-files/NOT-OD-07-035.html>

Funding Opportunities

CLAO Education and Research Foundation

CLAO ERF announces the availability of Scientific Research Grants to be awarded on July 1, 2007. These awards, up to \$10,000 each, are intended to provide support for research proposals specifically concerned with issues directly related to contact lens science and/or ocular anterior segment science.

The deadline for submission is March 30, 2007.

For details and grant application:

<http://www.claog.org/2007ResearchAwardFormERF.pdf>

NIH Director's New Innovator Awards

The NIH Director's New Innovator Awards will provide grant support to highly innovative new investigators who have not yet obtained a traditional R01 grant. Applicants must hold an independent research position at a domestic institution, and be within 10 years of their terminal degree (1997 or later). The proposed research may be in any scientific area relevant to the mission of NIH (biological, behavioral, clinical, social, physical, chemical, computational, engineering and mathematical sciences).

Click link for details:

<http://grants.nih.gov/grants/guide/notice-files/NOT-OD-07-047.html>

Bioengineering Research Grants (BRG)(R01)

Participating Institutes and Centers of the NIH invite applications for R01 awards to support Bioengineering Research Grants (BRGs) for basic and applied multi-disciplinary research that addresses important biological, bioengineering or medical research problems. The BRGs support multi-disciplinary research performed in a single laboratory or by a small number of investigators that applies an integrative, systems approach to develop knowledge and/or methods to prevent, detect, diagnose, or treat disease or to understand health and behavior. A BRG application may propose hypothesis-driven, discovery-driven, developmental, or design-directed research.

Click link for details:

<http://grants.nih.gov/grants/guide/pa-files/PA-07-279.html>

NIH Pathway to Independence (PI) Award (K99/R00)

This Funding Opportunity Announcement (FOA) is a reissue of the NIH Pathway to Independence (PI) Award (K99/R00) previously issued as [PA-06-133](#). It includes clarification of Eligible Individuals, Award Information, Submission Requirements, Review Criteria, and Award Administration. Relevant Notices issued since [PA-06-133](#) have been incorporated into this announcement.

The primary, long-term goal of the Pathway to Independence (PI) Award program is to increase and maintain a strong cohort of new and talented NIH-supported independent investigators. The PI award program is designed to facilitate a timely transition from a mentored postdoctoral research position to a stable independent research position with independent NIH or other independent research support at an earlier stage than is currently the norm.

Click link for details:

<http://grants.nih.gov/grants/guide/pa-files/PA-07-297.html>

Novel Approaches to Enhance Animal Stem Cell Research (R01)/(R21)

The purpose of this funding opportunity announcement (FOA) is to encourage the submission of applications for research to enhance animal stem cells as model biological systems. Innovative approaches to isolate, characterize and identify totipotent and multipotent stem cells from nonhuman biomedical research animal models, as well as to generate reagents and techniques to characterize and separate those stem cells from other cell types is encouraged. Studies involving human subjects are not allowed under this FOA.

Click links for details:

R01:<http://grants.nih.gov/grants/guide/pa-files/PA-07-303.html>

R21:<http://grants.nih.gov/grants/guide/pa-files/PA-07-304.html>

Articles

IOVS

Most read on IOVS site during January 2007

#1. Chrisandra Shufelt, Samantha Fraser-Bell, Mei Ying-Lai, Mina Torres, **Rohit Varma**, the Los Angeles Latino Eye Study Group. **Refractive Error, Ocular Biometry, and Lens Opalescence in an Adult Population: The Los Angeles Latino Eye Study**. Invest. Ophthalmol. Vis. Sci. Dec 01, 2005; 46: 4450-4460. (In "Clinical and Epidemiologic Research") [\[Abstract\]](#)

Most cited IOVS papers as of February 1, 2007

#5. PF Lopez, BD Sippy, HM Lambert, AB Thach, **DR Hinton**. **Transdifferentiated retinal pigment epithelial cells are immunoreactive for vascular endothelial growth factor in surgically excised age-related macular degeneration-related choroidal neovascular membranes**. Invest. Ophthalmol. Vis. Sci. Apr 01, 1996; 37: 855-868. (In "Articles and Reports") [[Abstract](#)]

Publications

1. Albini TA, Evans M, Lakhanpal RR, Javaheri M, **Rao NA**, **Chong LP**. Conjunctival epithelium in pars plana vitrectomy specimens. *Retina* 2007;27:55-58.
2. **Francis BA**, Hsieh A, Lai MY, **Chopra V**, Pena F, **Azen S**, **Varma R**. Effects of corneal thickness, corneal curvature, and intraocular pressure level on goldmann applanation tonometry and dynamic contour tonometry. *Ophthalmology* 2007;114:20-26.
3. Javaheri M, **Khurana RN**, O'Hearn TM, Lai MM, **Sadun AA**. Linezolid-induced optic neuropathy: A mitochondrial disorder? *Br J Ophthalmol* 2007;91:111-115.
4. Selvam S, Thomas PB, **Trousdale MD**, Stevenson D, **Schechter JE**, **Mircheff AK**, Jacob JT, **Smith RE**, **Yiu SC**. Tissue-engineered tear secretory system: Functional lacrimal gland acinar cells cultured on matrix protein-coated substrata. *J Biomed Mater Res B Appl Biomater* 2007;80:192-200.
5. Tedeschi-Blok N, Buckley J, **Varma R**, **Triche TJ**, **Hinton DR**. Population-based study of early age-related macular degeneration - role of the complement factor hy402h polymorphism in bilateral but not unilateral disease. *Ophthalmology* 2007;114:99-103.
6. Evans M, Sharma O, LaBree L, **Smith RE**, **Rao NA**. Differences in clinical findings between caucasians and african americans with biopsy-proven sarcoidosis. *Ophthalmology* 2007;114:325-333.
7. McDonnell PJ, Kirwan TJ, Brinton GS, Golnik KC, Melendez RF, Parke DW, 2nd, Renucci A, Smith JH, **Smith RE**. Perceptions of recent ophthalmology residency graduates regarding preparation for practice. *Ophthalmology* 2007;114:387-391.
8. Memarzadeh F, Li Y, **Francis BA**, **Smith RE**, Gutmark J, **Huang D**. Optical coherence tomography of the anterior segment in secondary glaucoma with corneal opacity after penetrating keratoplasty. *Br J Ophthalmol* 2007;91:189-192.
9. Javaheri M, Fujii GY, Rossi JV, Panzan CQ, Yanai D, Lakhanpal RR, Maia M, **Khurana RN**, Guven D, De Juan E, Jr., **Humayun MS**. Effect of oxygenated

intraocular irrigation solutions on the electroretinogram after vitrectomy. *Retina* 2007;27:87-94.

10. **Khurana RN**, Chang YH, Barnes AC, Fujii GY, De Juan E, Jr., **Humayun MS**. A novel method to oxygenate intraocular irrigation fluids with an in-line oxygenator. *Retina* 2007;27:83-86.
11. **Lim JI**, **Rao NA**. Photodynamic therapy with verteporfin for serpiginous choroiditis with subfoveal choroidal neovascularization. *Retina Cases Brief Rep* 2007;1:3-4.

*A copy of each Newsletter is available in Outlook's Public Folder/Research Administration **AND** is now available on the Doheny website, under Research.*

If you would like to be removed from or add someone to the distribution list and/or have any suggestions for this Newsletter, please email Cathy Lee at clee@doheny.org