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# Research Administration Newsletter

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## Doheny News

### **Tear Film & Ocular Surface Society (TFOS) Travel Award**

Congratulations to the following individuals who were recipients of the TFOS Travel Award for the upcoming, 5th International Conference, on the Tear Film & Ocular Surface: Basic Science and Clinical Relevance, to be held in Taormina, Sicily, Italy. The purpose of these awards is to provide partial travel support to young investigators who demonstrate significant achievements in the field of tear film and ocular surface research.



#### **Shivaram Selvam**

Doctorate Student in the Mork Family Department of Chemical Engineering and Materials Science and the Ocular Surface Center, Doheny Eye Institute  
Abstract Title: Ion Fluxes Across Rabbit Acinar Cell Monolayers on Polyester Membrane Scaffolds



#### **Padmaja Thomas, Ph.D.**

Research Associate in the Ocular Surface Center, Doheny Eye Institute  
Abstract Title: Autoimmune Dacryoadenitis Induced by Auto-Adoptive Transfer of CD4<sup>+</sup> T Cells

## Funding Opportunities

### **High-End Instrumentation Grant Program (S10)**

The NCR High-End Instrumentation Grant (HEI) program solicits applications from groups of NIH-supported investigators to purchase a single major item of equipment to be used for biomedical research that costs at least \$750,000. The maximum award is \$2,000,000. Instruments in this category include, but are not limited to, structural and functional imaging systems, macromolecular NMR spectrometers, high-resolution mass spectrometers, cryoelectron microscopes and supercomputers.

Click link for details:

<http://grants.nih.gov/grants/guide/pa-files/PAR-07-383.html>

### **CIRM Award**

To all faculty considering applying for the New faculty Awards from the CIRM:

All applications must be submitted by July 16<sup>th</sup> and the review will take place that week. Gigi Petrovich, will forward all applications to the Review Committee. Each applicant is asked to submit an NIH style Bio-sketch and a one page description of the project with list of Specific Aims for the 5-year proposal.

Please remember that the CIRM New Faculty Awards will fund promising M.D. and Ph.D. scientists in the critical early stages of their careers as independent, tenure track investigators and faculty members establishing their own laboratories and programs. CIRM intends to provide salary and research support for up to five years, creating a stable environment for these new faculty members to build innovative and robust stem cell research programs in the state of California.

Applications will only be accepted from PIs who 1) have been officially nominated by their home institution and 2) have submitted a Letter of Intent (LOI) that was accepted by CIRM.

As of August 30, 2007, candidates must be within six years of the start date of their first independent position. The candidate must be an independent investigator, which is defined as a faculty member with a multi-year commitment of support from the applicant institution. This commitment must include adequate laboratory space that is dedicated to and supervised by the PI, and start-up funding that includes financial support, equipment, and other resources. At academic institutions, independent investigators are expected to be tenure-track faculty members.

Please submit documents to Gigi via email at:

E-mail: [gpetrov@usc.edu](mailto:gpetrov@usc.edu)

## Articles

**Most read Jan thru Mar 2007**

## Ophthalmology

#17. **Francis** BA, Hsieh A, Lai MY, **Chopra** V, Pena F, **Azen** S, **Varma** R; Los Angeles Latino Eye Study Group. Effects of corneal thickness, corneal curvature, and intraocular pressure level on Goldmann applanation tonometry and dynamic contour tonometry *Ophthalmology* 2007;114:20-26.

## Progress in Retinal and Eye Research

#21. Carelli V, Ross-Cisneros FN, **Sadun** AA. [Mitochondrial dysfunction as a cause of optic neuropathies](#). *Prog Retinal Eye Res* 2004;23:53-89.

## Most cited thru June 1, 2007

### Investigative Ophthalmology & Visual Science

#5. Lopez PF, Sippy BD, Lambert HM, Thach AB, **Hinton** DR. 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* 1996;37:855-868.

## Publications

1. Albin TA, Sun RL, Holz ER, **Khurana** RN, **Rao** NA. Lemon juice and candida endophthalmitis in crack-cocaine misuse. *Br J Ophthalmol* 2007;91:702-703.
2. Chan S, Rubin WW, Mendez A, Liu X, Song XF, Hanson SM, **Craft** CM, Gurevich VV, Burns ME, **Chen** J. Functional comparisons of visual arrestins in rod photoreceptors of transgenic mice. *Invest Ophthalmol Vis Sci* 2007;48:1968-1975.
3. Dayani PN, **Sadun** AA. A case report of wyburn-mason syndrome and review of the literature. *Neuroradiology* 2007;49:445-456.
4. Fong DS, Strauber SF, Aiello LP, Beck RW, Callanan DG, Danis RP, Davis MD, Feman SS, Ferris F, Friedman SM, Garcia CA, Glassman AR, Han DP, Ie D, Kollman C, Lauer AK, Recchia FM, Solomon SD, (**Lim** JI). Comparison of the modified early treatment diabetic retinopathy study and mild macular grid laser photocoagulation strategies for diabetic macular edema. *Arch Ophthalmol* 2007;125:469-480.
5. Lin RC, Li Y, Tang ML, McLain M, Rollins AM, Izatt JA, **Huang D**. Screening for previous refractive surgery in eye bank corneas by using optical coherence tomography. *Cornea* 2007;26:594-599.
6. Rajendram R, **Rao** NA. Neuroglobin in normal retina and retina from eyes with advanced glaucoma. *Br J Ophthalmol* 2007;91:663-666.
7. **Sebag** J, Ansari RR, Suh KI. Pharmacologic vitreolysis with microplasmin increases vitreous

diffusion coefficients. *Graefes Arch Clin Exp Ophthalmol* 2007;245:576-580.

8. Sehi M, Ume S, Greenfield DS, Advanced Imaging in Glaucoma Study Group (**Huang D**). Scanning laser polarimetry with enhanced corneal compensation and optical coherence tomography in normal and glaucomatous eyes. *Invest Ophthalmol Vis Sci* 2007;48:2099-2104.
9. Shah S, Hines A, Zhou D, Greenberg RJ, **Humayun** MS, **Weiland** JD. Electrical properties of retinal-electrode interface. *J Neural Eng* 2007;4:S24-S29.
10. Smear MC, **Tao** HZW, Staub W, Orger MB, Gosse NJ, Liu Y, Takahashi K, Poo MM, Baier H. Vesicular glutamate transport at a central synapse limits the acuity of visual perception in zebrafish. *Neuron* 2007;53:65-77.
11. Ventura DF, Gualtieri M, Oliveira AGF, Costa MF, **Quiros** P, Sadun F, de Negri AM, Salomao SR, Berezovsky A, Sherman J, **Sadun** AA, Carelli V. Male prevalence of acquired color vision defects in asymptomatic carriers of leber's hereditary optic neuropathy. *Invest Ophthalmol Vis Sci* 2007;48:2362-2370.
12. Yaung J, Jin ML, Barron E, Spee C, Wawrousek EF, **Kannan** R, **Hinton** DR. Alpha-crystallin distribution in retinal pigment epithelium and effect of gene knockouts on sensitivity to oxidative stress. *Mol Vis* 2007;13:566-577.

## NIH Announcements

### Conflict of Interest Disclosure

The Public Health Service (PHS) and the Office of the Secretary, HHS, are promulgating regulations establishing standards and procedures to be followed by institutions that apply for research funding from the PHS to ensure that the design, conduct, or reporting of research funded under PHS grants, cooperative agreements or contracts will not be biased by any conflicting financial interest of those investigators responsible for the research.

Under the rules, investigators are required to disclose to an official(s) designated by the institution a listing of Significant Financial Interests (and those of his/her spouse and dependent children) that would reasonably appear to be affected by the research proposed for funding by the PHS. The institutional official(s) will review those disclosures and determine whether any of the reported financial interests could directly and significantly affect the design, conduct, or reporting of the research and, if so, the institution must, prior to

any expenditure of awarded funds, report the existence of such conflicting interests to the PHS Awarding Component and act to protect PHS-funded research from bias due to the conflict of interest.

Click link for details:

<http://grants.nih.gov/grants/guide/notice-files/not95-179.html>

### The National Eye Institute (NEI) Announces the Availability of Age-Related Eye Diseases Study (AREDS) Genetic Data Sets

The National Eye Institute (NEI) has made available Age-Related Eye Disease Study (AREDS) Project datasets (genotype-phenotype datasets and pre-computed analyses) through the [open-access section of dbGaP](#), which was developed and is operated by the National Library of Medicine's National Center for Biotechnology Information (NCBI).

Now NEI announces the release of individual-level genotype, phenotype, and environmental data form for research purposes to qualified investigators through the controlled-access section of dbGaP on June 6, 2007.

Researchers may request access to the individual-level data from AREDS Project through the [dbGaP data access request system](#). More information about the data access request process is available in NOT-LM-07-001 (<http://grants.nih.gov/grants/guide/notice-files/NOT-LM-07-001.html>).

### Findings of Research Misconduct

**Kartik Prabhakaran**, University of Pittsburgh: Based on the report of an inquiry conducted by the University of Pittsburgh (UP), extensive oral and written admissions by the Respondent, and additional analysis conducted by the Office of Research Integrity (ORI) during its oversight review, the U.S. Public Health Service (PHS) found that Mr. Kartik Prabhakaran, former graduate student in the joint M.D./Ph.D. program at UP, engaged in research misconduct while supported by National Institutes of Neurological Disorders and Stroke (NINDS), National Institutes of Health (NIH), grant F30 NS50905-01 and National Eye Institute (NEI), NIH, grants 5 R01 EY005945, 5 P30 EY008098, and 5 R01 EY015291.

Click link for details:

<http://grants.nih.gov/grants/guide/notice-files/NOT-OD-07-065.html>

**Wei Jin**, Colorado State University: Based on an investigation conducted by Colorado State University (CSU) and additional analysis and information obtained by the Office of Research Integrity during its oversight review, the U.S. Public Health Service (PHS) found that Mr. Wei Jin, former doctoral candidate, Department of Chemistry, CSU, engaged in research misconduct in

research funded by National Cancer Institutes (NCI), National Institutes of Health (NIH), grant R01 CA85419. Specifically, Mr. Jin falsified data/results by claiming he had performed a novel total synthesis of renieramycin G, when in fact, he obtained renieramycin G through a relatively simple reaction sequence from renieramycin M, a natural product that was a gift to the laboratory and that had been isolated by others from the Thai sponge.

Click link for details:

<http://grants.nih.gov/grants/guide/notice-files/NOT-OD-07-067.html>

**Carlos A. Murillo, M.D.**, University of Texas Medical Branch at Galveston: Based on the report of an inquiry conducted by the University of Texas Medical Branch at Galveston (UTMB) and additional analysis and information obtained by the Office of Research Integrity during its oversight review, the U.S. Public Health Service (PHS) found that Carlos A. Murillo, M.D., former Surgical Resident, Department of Surgery, UTMB, engaged in research misconduct in research supported by National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), National Institutes of Health (NIH), grants R01 DK48498 and T32 DK07639. Specifically, Dr. Murillo falsified research on the amelioration by antisense RNA (siRNA) of dextran-induced colonic toxicity in mice. He altered the concentrations of dextran solution fed to mice to induce colonic inflammation, by intentionally including little or no dextran in the drinking water of siRNA treated mice, so that the animals that received siRNA would have few or no colonic lesions.

Click link for details:

<http://grants.nih.gov/grants/guide/notice-files/NOT-OD-07-069.html>

**Joy Bryant**, University of Oklahoma Health Sciences Center: Based on the report of an investigation conducted by the University of Oklahoma Health Sciences Center (OUHSC) and additional analysis conducted by the Office of Research Integrity during its oversight review, the U.S. Public Health Service (PHS) found that Ms. Joy Bryant, Tribal Efforts Against Lead (TEAL) phlebotomist, OUHSC, engaged in scientific misconduct in research supported by National Institute of Environmental Health Sciences (NIEHS), National Institutes of Health (NIH), grant R01 ES008755. Specifically, Ms. Bryant falsified research in the TEAL study by substituting or conspiring with another phlebotomist to substitute her blood or blood of another phlebotomist for blood samples of 10-15 child participants in the TEAL study.

Click link for details:

<http://grants.nih.gov/grants/guide/notice-files/NOT-OD-07-071.html>

**Diana Layman**, University of Oklahoma Health Sciences Center: Based on the report of an investigation conducted by the University of Oklahoma Health Sciences Center (OUHSC) and additional analysis conducted by the Office of Research Integrity during its oversight review, the U.S. Public Health Service (PHS) found that Ms. Diana Layman, Tribal Efforts Against Lead (TEAL) phlebotomist, OUHSC, engaged in scientific misconduct in research supported by National Institute of Environmental Health Sciences (NIEHS), National Institutes of Health (NIH), grant R01 ES008755. Specifically, Ms. Layman falsified research in the TEAL study by substituting or conspiring with another phlebotomist to substitute her blood or blood of another phlebotomist for blood samples of 10-15 child participants in the TEAL study.

Click link for details:

<http://grants.nih.gov/grants/guide/notice-files/NOT-OD-07-072.html>

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