

# DHLRI

# FYI



DOROTHY M. DAVIS  
**HEART & LUNG**  
• RESEARCH INSTITUTE •

THE NEWSLETTER OF THE DAVIS  
HEART AND LUNG RESEARCH  
INSTITUTE AT OSU

April 2005

## **Kuppusamy Gets 4th R01 Grant Award from NIH**



Periannan Kuppusamy, PhD has been awarded a new R01 grant from the National Institute of Biomedical Imaging and Bioengineering (NIBIB) of NIH. The total award is \$1,076,400 beginning April 01, 2005 for 4 years. The overall objective of the grant is to develop new methods for fast imaging of oxygen concentration in tissues, noninvasively. This is Dr. Kuppusamy's 4th R01 grant from NIH. Overall, Dr. Kuppusamy has received 3 new R01 grants and one R13 (conference grant) in the past 2.5 years after his coming to OSU. Last April (2004), he received a new R01 award (total award \$ 1,225,900 for 4 years) from the National Cancer Institute for studying the role of thiols in the treatment of ovarian cancer. This was followed by another new R01 grant award from NIBIB/NIH (total award \$1,345,500 beginning July 01, 2004). The overall objective of this grant was to develop nanoparticulate technology for oxygen-sensing and cell-tracking in cell therapy. In addition, his first R01 grant (NCI/NIH), which is currently in its 8th year, is for noninvasive imaging of oxygen concentration in tumors and normal tissues subjected irradiation. Recently, he was also successful in getting an R13 grant from NIH for supporting the International EPR Conference to be held in DHLRI/Columbus during September 4-9, 2005. Congratulations to Kupps for his achievements in the short time after his moving to OSU!

## **Roy Receives New Research Grant to Study Platelet Biology**

Sashwati Roy, PhD received a \$110,000 research grant from Harvest Technologies Corporation to study the biology of human blood platelets in the context of tissue repair. Research Scientist Dr. Savita Khanna is a co-PI on the project. Dr. Roy is an Assistant Professor of Surgery who is a co-PI on three active NIH RO1 awards held by Dr. Chandan Sen. Congratulations Drs. Roy and Khanna.

## **Fahy Receives Davis Bremer Award**

Ruairi Fahy, MD received the Davis/Bremer Award for mitochondrial function in lung epithelium. The Davis/Bremer grants are offered by the College of Medicine and Public Health once per year to newer MD faculty who are just starting out in their research careers. Congratulations to Dr. Fahy!

## **Soter Endowed Chair in Women's Cardiovascular Health Created**

The Sarah Ross Soter Endowed Chair in Women's Cardiovascular Health was approved Feb. 4 by the OSU Board of Trustees. Sarah Ross Soter of Palm Beach, Fla., has pledged \$2 million to create the fund. The Chair will support a nationally eminent physician-researcher who specializes in women's cardiovascular health. William Abraham, MD, chief of Cardiovascular Medicine and DHLRI Associate Director, created the Women's Cardiovascular Health Program at OSU to address clinical care, research and education needs for women patients and their families.

## New DHLRI Administrator Named

Lorri Sayre-Fowler has been selected as the new Chief Administrator of Business Operations for the Dorothy M. Davis Heart and Lung Research Institute. In this role, she will provide strategic management to the institute and oversee the day-to-day administrative operations in the areas of human resources, accounting and fiscal affairs.

A large number of applicants from the university, the region, and around the country were considered during the search process. After review of more than 60 qualified applicants by the search committee, Lorri was unanimously selected.

Lorri has a strong business and accounting background with degrees from Otterbein and Franklin University. She has worked in the OSU system since 1998 and within the DHLRI since January of 2001. In her prior position as business manager of the DHLRI, Lorri has distinguished herself with her excellence and dedication. Over this time, she has structured the budgets and financial workings of the Institute. Her strong knowledge of the Institute and its investigators, almost since its inception, provides her with a unique background to take on the critical duties of directing our administrative group, and related activities, in this time of rapid growth within the Institute.

Please join the Institute in congratulating Lorri on this promotion, and her new role in directing the administrative functions of the Institute.

## EPR 2005 Conference Call for Abstracts

The "International Conference on Electron Paramagnetic Resonance Spectroscopy and Imaging of Biological Systems (EPR 2005)" is fast approaching. This conference, which will be held September 4-9, 2005 in Columbus, Ohio, is now open for registration and abstract submission. The venue of the conference will be the Hilton Columbus Hotel & Conference Center (<http://www.hiltoncolumbus.com>), which is located in the popular Easton Town Center.

Since the first announcement last summer (2004), we have received numerous responses from EPR scientists all over the world. The conference, for the first time, will focus on a wide spectrum of EPR methods and applications including spin-trapping, in vivo EPR spectroscopy, and imaging of biological systems. In order to maximally utilize this unique opportunity, we are encouraging participation from young investigators, particularly students, post-doctoral fellows, and junior faculty. In addition, participation by minorities and women is encouraged.

The conference is partially supported by grant funding from the National Institutes of Health. The NIH funding will be used to support the participation of a few talented/deserving investigators. Because of limited funding, we have set up an Awards Committee to make the selection based on set criteria. Please check the conference website for eligibility and application information.

The following deadlines have been set:

- May 15, 2005 - Abstract Submission for Travel Award Consideration
- June 15, 2005 - All other Abstract Submissions
- July 15, 2005 - Abstract Withdrawal
- July 15, 2005 - Registration
- Aug. 15, 2005 - Hotel Reservation

For further details, we request that you visit our website at:

<http://www.heartlung.osu.edu/epr/3140.cfm>. We are looking forward to your participation in the conference!

## Summer Program Offers 18 Courses in Biostatistics & Epidemiology

OSU's Center for Biostatistics 2005 Summer Program in Applied Statistical Methods offers 18 courses in the application of statistical methodology and epidemiology to a wide range of biomedical problems.

The program boasts a faculty internationally known for its biostatistical expertise and teaching ability. Participants can learn new approaches to the analysis of data from epidemiologic studies as well as the analysis of biologic, clinical trials and laboratory data. All courses are designed to provide valuable hands-on experience in the analysis and interpretation of real data.

For more information or registration, please visit the Center for Biostatistics website at [www-biostat.med.ohio-state.edu](http://www-biostat.med.ohio-state.edu) or call 293-6899.



### April Lectures

**April 1: OSU Sleep Disorders Center Symposium: “Coping with Shift Work: Helpful Strategies”;** Ulysses Magalang, MD; 7:45 am, 170 Davis Heart & Lung.

**April 8: Research in Progress: “Myocardial Electrical Impedance”;** Roger Dzwonczyk, Anesthesiology.\*

**April 15: Research in Progress;** Dan Birmingham, PhD, Internal Medicine and Pathology.\*

**April 16: “Sleep Apnea and the Heart “;** register on-line at <http://ccme.osu.edu>; 8:00 am - Noon, Ross Heart Hospital Auditorium. CME offered.

**April 20: DHLRI Discovery Series;** Claude Piantadosi, MD; Pulmonary, Allergy, and Critical Medicine, Duke University Medical Center; Noon, 170 Davis Heart & Lung. CME offered.

**April 22: Research in Progress;** Sudha Agarwal, PhD, Oral Biology.\*

**April 29: Research in Progress;** Tsonwin Hai, PhD, Molecular and Cellular Biochemistry.\*

*\*Research in Progress presentations are held at noon on Fridays in room 165 Davis Heart & Lung.*

## Changes for H-1B Visa Processing

### New H-1B Processing Fee

Starting March 8, 2005, a Fraud Prevention and Detection Fee of \$500, which must be paid by departments seeking a foreign national's INITIAL H-1B for employment at OSU, or those departments seeking to hire a foreign worker who is changing from another H-1B employer to OSU. The only H-1B petitions exempt from paying this fee are those that seek to amend or extend the stay of the foreign national at the current H-1B employer. The fee must be paid by the department, not by the employee.

This new fee is in addition to the standard H-1B petition processing fee of \$185 and the premium processing fee, if applicable.

## Increased H-1B Processing Time

Due to changes at the US Department of Labor and lengthy processing delays at the USCIS Nebraska Processing Center in Lincoln, Nebraska, the entire coordinated H-1B process is currently taking approximately six months. Four to five months of that time is at the USCIS stage. Please submit all H-1B requests to OIE six months before the intended start date; this is the earliest H-1B rules permit processing to begin. Cases submitted to OIE less than six months in advance of the start date are much less likely to be approved by the start date unless the USCIS \$1000 Premium Processing Service is used.

If you have any questions please contact Bryan Ford in room 110 DHLRI.

## New SPAM Email Quarantine Notifications

MedCenter IS is pleased to introduce a new feature within our email system that will allow you to proactively check your SPAM quarantine.

If you use a Medical Center email address ( [name-#@medctr.ohio-state.edu](mailto:name-#@medctr.ohio-state.edu) or the alias [name-#@medctr.osu.edu](mailto:name-#@medctr.osu.edu) ) you will begin to receive a weekly email that states what messages have been deemed SPAM. From this email message you can go directly to your quarantine by clicking on the link within the email.

The first notification messages were sent on Tuesday March 1, 2005. You will then receive notifications once a week afterwards.

To login to the quarantine you can click the link in the notification e-mails or access the Mail Quarantine Login anytime via OneSource under Home | Common Applications | Quarantine Mail Site.

To login to your Quarantine simply type in your email address ( [name-#@medctr.ohio-state.edu](mailto:name-#@medctr.ohio-state.edu) or the alias [name-#@medctr.osu.edu](mailto:name-#@medctr.osu.edu) ). Please login with each address if you wish to release any mail that you need. If you have any questions regarding this new service, please contact MedCenter IS Support Services at the Help Desk (293-3861).

## UNITS phone changes

UNITS is implementing two campus-wide changes:

Beginning March 31, all new telephone numbers requested will be installed as direct inward dial (DID) campus numbers (292, 247, or 688). No new 004 numbers will be issued after this date.

UNITS will change all existing telephone numbers beginning with the 004 prefix to the new 514 prefix. This change will occur in phases over a 3-6 month period beginning April 1. Customers with the current 004 prefix should notice no change in service. The 514 prefix numbers will still not be accessible to off-campus callers.

## The Art of Positive Parenting Course Offered

The Office of Human Resources, Work/Life unit is pleased to sponsor "The Art of Positive Parenting" (TAPP) course on campus. The course includes a combination of skills education, group interaction, practice and resource sharing.

TAPP is a parenting program founded through "Action for Children," and has helped tens of thousands of parents learn how to use positive communication skills with their children, resulting in a strong foundation for building children's self esteem and parent-child relationships that grow stronger through the years.

The 12-hour course will be conducted at Ohio State by trained facilitators during six consecutive weeks on Mondays and Wednesdays, from 12:15 to 1:15 p.m., April 4 through May 11, 2005. The location for the course will be at the Fisher College of Business, Gerlach Hall, in Conference Room 155. The program's unique format ensures that parents of children of all ages can participate and benefit.

The cost for faculty, staff, and graduate students is \$35, and includes the book "The Art of Positive Parenting." Additional costs for the course are being subsidized by the Work/Life unit. Registration and advance payment is required due to limited space. To register, contact the Office of Human Resources Work/Life at 292-0583 or e-mail Sharon Dunn at [sdunn@hr.osu.edu](mailto:sdunn@hr.osu.edu).



### Recent Publications

Felmet KA, Hall MW, Clark RS, et al. Prolonged lymphopenia, lymphoid depletion, and hypoprolactinemia in children with nosocomial sepsis and multiple organ failure. *Journal of Immunology*. 2005 Mar 15;174(6):3765-72.

Logan N., Graham A., Zhao X., Fisher R., Maiti B., Leone G., La Thangue N. 2005. E2F-8: an E2F family member with a similar organization of DNA binding domains to E2F-7. *Oncogene* (In press).

Maiti B., Li J., de Bruin A., Gordon F., Timmers C, Opavsky R., Patil K., Tuttle J., Cleghorn W., and Leone G. 2005. Cloning and Characterization of Mouse E2F8, a Novel Mammalian E2F Family Member Capable of Blocking Cellular Proliferation. *J. Biol. Chem.* (In press).

Zhang, H, Zborowski, M., Williams, P S., Chalmers, J.J. Establishment and implications of a characterization method for magnetic nanoparticles using Cell Tracking Velocimetry and magnetic susceptibility modified solutions. *Analyst*, 130:514 – 527. 2005.

### International Affairs Has Funding Opportunities

The Office of International Affairs is soliciting applications from faculty for international travel grants. Faculty who are proposing to collaborate with foreign scholars in preparing a research grant proposal, participate in a faculty-exchange program, develop agreements linking OSU to major foreign institutions, or complete a manuscript jointly authored with a foreign based scholar are invited to apply. Grants range between \$1,500 and \$2,000, with a ceiling of \$3,000. With the exception of those faculty members proposing to participate in an OSU faculty-exchange program, applicants are required to secure matching funds from OSU or external funding agencies. Competitions are held in the autumn and spring quarters. The spring competition deadline is April 8. Applications are available from the Office of International Affairs at 300 Oxley Hall or online at <http://www.oia.osu.edu>.

## March Early Bird Award

The Grants Office congratulates Melissa Hunter for submitting her grant proposal first for the March 1 deadline. The Early Bird Award is presented at each major grant deadline to the DHLRI Investigator that submits his/her application before any other investigator. Congratulations, Melissa!

## Welcome Back Karla!

Karla Gengler-Nowak has returned from maternity leave, and the Grants Office is back functioning at 100%. The Grants Office continues to provide excellent customer service and assistance for pre-award and post-award grant management. Stop in to see Karla and/or Elaine Wakely for all of your grant-related questions.

## Awards

PI: Nicholas A. Flavahan  
Co-I: Clay B. Marsh  
Title: Alpha2C Adrenergic Receptors and Cutaneous Circulation  
Sponsor: NIH, R01  
Amount: \$1,681,875  
Start Date: February 1, 2005      End Date: January 31, 2010

PI: Nicholas A. Flavahan  
Title: Efficacy, tolerability, and biology of Rho-kinase inhibitor (Fasudil) in the treatment of Raynaud's phenomenon  
Sponsor: Peninsula Community Foundation  
Amount: \$83,952  
Start Date: January 1, 2005      End Date: December 31, 2005

PI: Periannan Kuppusamy  
Co-I: Yuanmu Deng and Jay L. Zweier  
Title: Novel Methods for in Vivo Imaging of Tissue Oxygenation  
Sponsor: NIH/NIBIB, R01  
Amount: \$1,076,400  
Start Date: 04/01/2005      End Date: 03/31/2009

For more information on this newsletter, contact the editor, Chris Brakenbury, at 247-7155 or [brakenbury-1@medctr.osu.edu](mailto:brakenbury-1@medctr.osu.edu). The newsletter is also available online at <http://heartlung.osu.edu>. To unsubscribe, please contact Chris via e-mail.