



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

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

July 2005

### **Pulmonary, Critical Care, and Sleep Medicine Represented at ATS Conference**

In May, San Diego welcomed The American Thoracic Society (ATS) 100<sup>th</sup> Anniversary International Conference. This is the largest global exchange of the most recent research, education and clinical information in the world. The Faculty and Fellows of OSU Division of Pulmonary, Critical Care and Sleep Medicine were ardent participants.

Chairing, presenting, and in attendance at the Conference were the following: Naeem Ali, MD, Nitin Bhatt, MD, Imad Bouakl, MD, Benjamin Bringardner, MD, Elliott Crouser, MD, Philip Diaz, MD, LeRoy Essig, MD, Matthew Exline, MD, Ruairi Fahy, MD, Bradley Harrold, MD, Stephen Hoffmann, MD, Daniel Iltchev, MD, Rami Khayat, MD, Darren Knoell, PhD, Maria Lucarelli, MD, Ulysses Magalang, MD, Clay Marsh, MD, John Mastronarde, MD, David Nunnley, MD, Jonathan Parsons, MD, Amy Pope-Harman, MD, Martin Valdivia-Arenas, MD, Mark Wewers MD, and Karen Wood MD.

### **Asthma Clinical Research Center**

The OSU Medical Center, Division of Pulmonary, Critical Care and Sleep Medicine, Children's Hospital of Columbus, and the American Lung Association (ALA) have a unique partnership. They are members of an ALA-sponsored research program called the Asthma Clinical Research Centers, better known as the ACRC network. This network of 20 clinical centers and a data coordination center is the largest of its kind doing practical clinical trials.

The ACRC at OSU is a richly experienced site. It benefits from the combined efforts of Co-PIS John Mastronarde, MD (OSU) and Karen McCoy, MD (Children's Hospital). Dr. Mastronarde is the only PI in the ACRC network who has the distinction of leading two centers. Before joining OSU he was the PI at Indiana University ACRC. Dr. Mastronarde authored the SARA (Study of Acid Reflux & Asthma) study protocol which has been funded by NIH.

Both Drs. Mastronarde and McCoy know the dedicated and experience staff they have assembled has made the ACRC at OSU/Children's Hospital a leader in the network. OSU staff includes lead clinical coordinator Janice Drake CRTT, CRCP, Carley Benham (who previously worked at the ACRC Data Coordination Center at John Hopkins University) Rachael Compton, and Tina Bees. Children's Hospital staff includes lead clinical coordinator Laura Raterman RN, and Valerie Barr. For information on ACRC clinical trials contact Jan Drake, 293-4978, [drake-3@medctr.osu.edu](mailto:drake-3@medctr.osu.edu).

### **Institute to Celebrate 5-Year Anniversary**

The Dorothy M. Davis Heart and Lung Research Institute opened its doors on October 13, 2000. A committee of faculty and staff has been formed to plan a series of events to recognize the people

and discoveries from our institute. Look for more announcements about the 5-year anniversary in the coming months.

### ***Antioxidants & Redox Signaling Sharply Rises in Impact Factor***

The DHLRI-based journal ANTIOXIDANTS & REDOX SIGNALING (ARS; [www.liebertpub.com/ars](http://www.liebertpub.com/ars)) improved from 3.027 to 3.76 in impact factor according to the new 2004 impact factor released by ISI. Impact factor of some other comparable journals are as follows: Biochem J 4.2; J Mol Cell Cardiol 4.19; Biochemistry 4.0; Am J Physiol (Cell) 3.939; Physiol Genomics 3.85; FEBS Lett 3.8; Am Heart J 3.68; Transplantation 3.56; Am J Physiol (Heart) 3.53; Biochem Pharmacol 3.43; NMR Biomed 3.41; J Sleep Res 3.4 and Microcirculation 3.3. Dr. Chandan K. Sen is the Editor-in-Chief of ARS.

### **Kudos**

The Buckeye Adult Lung Award (BAL) is presented to a faculty member for outstanding achievement in fellow education. Chief Fellows Daniel Iltchev, MD and Imad Bouakl, MD presented this year's award to **Naeem Ali, MD**. Jim Allen, MD and Jim O'Brien, MD were also nominated. The award was presented at the Pulmonary, Critical Care, and Sleep Medicine 2<sup>nd</sup> Annual Fellows Appreciation Dinner.

**Emily Steinhour**, an undergraduate researcher in the lab of Narasimham Parinandi, PhD, has been selected to receive an award of \$6,905.05 for her Honors Research Project from the School of Allied Medical Professionals. This award will cover Emily's tuition for the 2005-2006 year. Emily is majoring in circulation technology. Congratulations, Emily!

**Elaine Reno** and **Sunny Kolattukudy**, honors students in the lab of Andrea Doseff, PhD, presented their research thesis on May 26 and graduated with distinction. Congratulation to both, and best wishes to Sunny whom is starting Medical School at Cleveland Clinic.

The following awards were presented at the Department of Internal Medicine Recognition Banquet at the Brookside Country Club on Saturday, June 4.

**Jim Allen, MD** received the Critical Care Teaching Award. The Fass Clinical Fellow of the Year Award went to **Roy Essig, MD** for the second straight year.

Housestaff Teaching Award from the College of Medicine (COM) went to **Gabe Bosslet, MD** and **Mark Kearns, MD**, both of whom are going into the field of Pulmonary and Critical Care Medicine.

Recognition for Outstanding Performance were given to, **Mike Ezzie, MD**, Chief Resident; **Daniel Iltchev, MD** and **Imad Bouakl, MD**, Graduating Senior Fellows and Co-Chief Fellows for 2004-05.

**Dr. Vijay Kumar Kutala**, received the James V. Warren Award, which goes to a fellow and/or a postdoctoral trainee who has distinguished him- or herself by their research efforts in the Department.

Congratulations to all who were recognized for their contributions!

## Business Office Staff Changes

The Institute's accountant, Christina Hayes, is leaving OSU (effective June 24) to begin a teaching career with Columbus Public Schools. The business office is currently working to find a replacement for Christina, but until that person is in place you can contact business manager Karel Smith for any finance-related needs.

Best wishes to Christina and many thanks for her efforts during her time at the Institute!

## New Committee Addresses Shared Equipment Needs

We would like to announce the creation of the DHLRI Shared Equipment Sub-Committee. The committee mission is to support research within the Institute by making available state-of-the-art equipment. Some of the specific duties will be to maintain and/or upgrade existing equipment, decide on requests for new pieces of shared equipment and oversee designated space for shared equipment. Tom Clanton, PhD has been selected as Chair of the committee and is dedicated to providing a resourceful collection of shared equipment to all DHLRI members.

## Columbus AHA Heart Walk

Join a Medical Center team and participate in the 2005 Columbus AHA Heart Walk! Last year, OSUMC set records with its participation and fund-raising. Help us continue this tradition of raising funds and awareness.



Since 1924 the American Heart Association has helped protect people of all ages and ethnicities from the ravages of heart disease and stroke. These diseases, the Nation's No.1 and No.3 killers, claim more than 949,000 American lives a year. The association invested more than \$364.3 million in fiscal year 2003-04 for research, professional and public education, and advocacy so people across America can live stronger, longer lives.

**The 2005 Columbus AHA Heart Walk is Saturday, August 27** at Genoa Park in front of COSI. Accept the challenge to help fight heart disease and stroke. We cannot achieve our mission without each one of you. Visit <http://heartwalk.kintera.org/faf/home/default.asp> or contact Chris Brakenbury (247-7155) to join the DHLRI team or Teri Henderson (293-8761) to join the Division of Cardiovascular Medicine team.



## 3<sup>rd</sup> Annual Blow the Whistle on Asthma Walk

Join Honorary Chairperson Coach Jim Foster, OSU Women's Basketball Head Coach, and the American Lung Association of Ohio for the 3<sup>rd</sup> Annual Blow the Whistle on Asthma Walk Kickoff Luncheon sponsored by Genentech-Novartis on Friday, August 5 at The Hilton at Easton. Coach Foster will briefly speak about asthma and its terrible consequences.

The Kickoff Luncheon will be held from 12-1:30 p.m. and is free and open to anyone interested in learning more about the Asthma Walk and how to get involved. Guests will not be asked to make a donation and are encouraged to bring guests.

Attendees will receive the necessary materials, tips for success and motivation to be successful in their fund-raising efforts to "blow the whistle on asthma." For two years running, the Columbus Kickoff Luncheon has been the largest in the nation.

**The 3<sup>rd</sup> Annual Blow the Whistle on Asthma Walk is Saturday, October 1** at Easton Town Center, Townsquare Fountain. Registration is 8-9 a.m. Walk begins 9 a.m. Asthma Walk raises awareness and funds to fight the asthma epidemic. Get involved today because when you can't breathe, nothing else matters. For more information on the walk or to RSVP for the Kickoff Luncheon, contact Andrew Feast at 1-800-LUNG-USA or [andrew@ohiolung.org](mailto:andrew@ohiolung.org). Log on to [www.ohiolung.org](http://www.ohiolung.org) and follow the Asthma Walk link to register for the walk.



## July Programs

**July 8: Research in Progress;** Martha A. Belury, PhD, RD; Human Nutrition.\*

**July 13: DHLRI Discovery Series: “Cardiac MR in Mice: Elucidating the Roles of Nitric Oxide Synthases in Left Ventricular Structure and Function”;** Frederick H. Epstein, PhD; Associate Professor of Radiology and Biomedical Engineering, University Virginia; Noon, 170 Davis Heart & Lung. CME credit offered.



Frederick Epstein,  
PhD

**July 15: Research in Progress;** Yeong-Renn Chen, PhD; Cardiovascular Medicine.\*

**July 22: Research in Progress;** Paul Janssen, PhD; Physiology and Cell Biology.\*

**July 29: Research in Progress;** Guanglong He, PhD; Cardiovascular Medicine.\*

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

## University Offices Closed on July 4

In observance of the Independence Day holiday, University offices will be closed on Monday, July 4.



## Microscopy Core Lab Announces Fee Waiver Program

To encourage DHLRI members to explore the use of the resources available in our Microscopy Core, the facility will be initiating, on a trial basis beginning July 1, a program to provide core services at reduced rates for preliminary microscopy work done in support of a pending grant submission. The support will be in the form of up to 10 hours of usage at no charge or up to 25 hours at 50% of the prevailing rates. Please see the policy and application on the Microscopy website “Documents and Forms” page (<http://heartlung.osu.edu/microscopy/2342.cfm>) for the requirements of the waiver program.

## New Color Copier/Printer for Grant Preparation

Christmas in July! A new color copier is coming to the 4th floor to replace the old unit in 419. In addition to copying it also serves as a printer, scanner and fax machine. The unit will be networked to your individual computer to allow complete access to the unit from your desktop. For those who are involved in the grant preparation process, you will now be able to print your complete proposal with color sheets included. There will be a minimal fee for color copies. Anticipated delivery date is mid-July. Additional information to follow in the coming weeks. If you have any questions please feel free to contact Lorri Fowler, DHLRI Administrative Director, at 7-7098 or [fowler.142@osu.edu](mailto:fowler.142@osu.edu).

## Electronic PA-005 Available July 1

On Friday (7/1), the Research Foundation will launch the ePA-005, a new electronic research administration tool that will streamline the university's approval process for applying for external funding. The Web-based form replaces the paper "Authorization to Seek Off-Campus Funding" form (PA-005) that has been in use for many years. Researchers and staff will be able to access the ePA-005 from the "Tools" section of the Research Foundation Web site (<http://www.rf.osu.edu>). Anyone involved in the proposal development, preparation, and approval process is encouraged to attend a demonstration/hands-on practice session. Register at <http://rf.osu.edu/inf/e-cal.cfm?NID=208>.

## New IRB Forms To Be Used Starting July 1

The OSU Institutional Review Board application for approval of new human subjects research and the informed consent template have been revised for use by the Biomedical, Cancer, and Behavioral and Social Sciences boards. The revised forms must be used for new studies submitted on or after July 1. The new forms are available on the Office of Responsible Research Practices (ORRP) Web site at [www.orrp.osu.edu](http://www.orrp.osu.edu).

## CKM Services Change

Beginning July 1, the following services offered by the Center for Knowledge Management (CKM) will be discontinued due to budget constraints:

- Immigration/passport photos (BCIS, INS, OIE, OPT)
- Color Copying
- Framing

For information about where you may be able to obtain similar services, visit the CKM website at <http://ckm.osu.edu/print>.

### **The Center for Knowledge Management will continue to offer:**

- Poster printing and mounting
- Slide scanning
- Studio Photography
- Graphic design services
- Medical illustration

CKM services can be accessed through the ASK Desk on the first floor of the Prior Health Sciences Library or by calling 292-7770.

## Bookstores to Merge at New Location

On August 1, Barnes & Noble, Long's Bookstore, The Health Sciences Bookstore, and The Ohio State University Bookstore will merge into a new location as **Barnes & Noble - The Ohio State University Bookstore**. The new facility is part of the South Campus Gateway project at the intersection of 11<sup>th</sup> Avenue and High Street.

Barnes & Noble - The Ohio State University Bookstore will feature the products and services that each of the individual stores had before. Of note to the Health Sciences community, this will include scrubs and lab coats. All OSU faculty and staff will receive a 10% personal discount, and OSU department purchases will receive a 20% discount. Other services include textbook

reservations, point-to-point deliveries, periodicals, OSU apparel and gifts, and supplies. 110Ws will be accepted. Contact [bookstore@osu.edu](mailto:bookstore@osu.edu) for more information.



### Recent Publications

Cunningham, D., Swartzlander, D., Liyanarachchi, S., Davuluri, D. and Herman, G.E. Changes in Gene Expression Associated with Loss of Function of the NSDHL Sterol Dehydrogenase in Mouse Embryonic Fibroblasts. *J. Lipid Res.*, 46:1150-1162, 2005.

Ferketich AK, Binkley PF. Psychological distress and cardiovascular disease: results from the 2002 National Health Interview Survey. *Eur Heart J.* 2005 Jun 9; [Epub ahead of print]

Velayutham, M, Villamena, F, Navamal, M, Fishbein, J, Zweier, J. Glutathione-Mediated Formation of Oxygen Free Radicals by the Major Metabolite of Oltipraz. *Chem Res Toxicol* 2005, 18, 970-975.



### Grants Office Tip of the Month

Planning to submit a proposal to NIH? Be sure to follow the **updated NIH guidelines!** (see <http://grants1.nih.gov/grants/funding/phs398/phs398.html>).

Of particular note:

- Other Significant Contributors (p.3 under Key Personnel) is a new category for important participants who do not contribute % effort to the project. At long last you can now include their biosketches in the proposal, BUT you do not have to track these individuals via progress reports during the course of the funded project.
- Font type and size are restricted to Arial, Helvetica, Palatino Linotype or Georgia of at least 11 pts. Times New Roman 10 pt will not be accepted!
- Only use the new forms (dated 09/04 in the lower left) – old forms are not permitted in the proposal anywhere, including biosketches, budgets, and resources

### New Awards

PI: Gunjan Agarwal  
Collaborator: Terry Elton  
Title: Regulation of Myocardial Fibrosis by Discoidin Domain Receptors  
Sponsor: American Heart Association (National Scientist Development Grant)  
Amount: \$260,000  
Start date: 7/1/2005      End date: 6/30/2009

PI: Sandor Gyorke  
Title: Reorganization of calcium signaling in heart failure  
Sponsor: Fogarty International Center  
Amount: \$120,960  
Start date: 5/1/05      End date: 4/30/08

PI: Garrie Haas  
Title: Multi-center, double-blind, placebo controlled, parallel group, multiple dose study of DITPA in patients with NYHA Class III and IV congestive heart failure who have low serum T3 levels  
Sponsor: Titan Pharmaceuticals  
Amount: clinical trial  
Start date: 5/27/05      End date: 6/30/06

PI: Jay Zweier  
Co-PI: Periannan Kuppusamy  
Title: The development of new functional nitroxide probes for noninvasive EPR spectroscopy and imaging  
Sponsor: US Civilian Research and Development Foundation  
Amount: \$12,390  
Start date: 5/5/05      End date: 5/4/07

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.