



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

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January 2006

## Institute Announces Awards for 2005

The Institute was proud to announce the recipients of the 2005 Distinguished Awards prior to the annual holiday reception on December 9. Nominations were accepted from the entire Institute community, and the Education Committee made its selections from the 40+ nominations submitted. All three of the awards are designed to recognize those who have made significant contributions to the quality of life of others in the Institute.

In addition to the annual awards, a special **Excellence Award** was presented to **Lorri Sayre-Fowler** by the Education Committee. The award recognized her “hard work and exceptional dedication in supporting the educational and research activities of the Institute.”

Congratulations to all of this year’s honorees; they symbolize the spirit of teamwork and discovery that the Institute represents.

### **Distinguished Post Doc Researcher: Tim Eubank, PhD**

*“[The] experience I had with Tim showed me his intense love of science, his incredible work ethic, his willingness to embrace new ideas, and his desire to teach me all that I needed to know.”*

### **Distinguished Research Staff: Valerie Wright**

*“Valerie contributed to the intellectual and creative aspects of the work done in the laboratory... She has provided valuable council in all aspects of the laboratory, has been invaluable in training and managing graduate students and fellows and is a model of the kind of excellent and long-term contributions technical staff can provide for our research efforts in the Institute.”*

### **Distinguished Mentor: Jay Zweier, MD**

*“His dedication to the development of the Institute and support for junior faculty development is evident through the increased productivity seen among the junior faculty in terms of publications and ability to generate extramural funding.”*



2005 Distinguished Award Recipients (from left to right):  
**Jay Zweier, Tim Eubank, and Valerie Wright.**

## From the Director



As we reminisced at our recent holiday reception and awards presentation, this past year has been a great one for the Dorothy M. Davis Heart and Lung Research Institute. Thanks to all of you and your many wonderful accomplishments, 2005 has been a truly special year for the Institute, our heart programs, our lung programs, and the heart and lung centers.

There were many wonderful highlights this year, but I will recall just a few:

For the first time both our heart and lung programs have been ranked among “America’s best” in the US News and World report rankings.

Total annual grant funding grew to over \$64,000,000 in total awards with over \$17,500,000 just within our space.

In 2005, we have risen to 49 active major grant awards from NHLBI, with an additional 15 major awards from NIBIB.

The number of Career Award grants of our young investigators has greatly increased with 14 current NIH K awards, 26 AHA awards and 3 ALA awards.

By this year our faculty were on the editorial boards of most major cardiovascular and pulmonary journals, with 54 major journals edited by our faculty.

These accomplishments are truly fabulous, and unsurpassed any where in the nation.

As we approach the holiday season and the New Year, the 5<sup>th</sup> year since the Institute was built, we truly have a lot to celebrate!

I thank all of you for your great accomplishments and support of the Institute and our mission of research to cure heart and lung disease!

## DHLRI Education Committee Receives Additional Funding

On December 5, 2005 the DHLRI Education Committee received approval of their grant application from Merck. The \$2,000 award will cover costs associated with one Discovery Series lecture over the next six months. The Discovery Series program at DHLRI provides the opportunity to evaluate basic and clinical science research results that are presented by nationally recognized leaders in their respective fields. Congratulations to the Education Committee for a job well done!

## OSU to Collaborate with Siemens

Siemens and OSU have entered into a five year agreement to collaborate on cardiovascular MRI and CT research and education. Siemens scientists will work with Dr. Orlando P. Simonetti and Dr. Subha V. Raman to develop new imaging applications, to clinically validate new methods of image acquisition and processing, and to provide educational programs for physicians and technologists. As a result of this agreement, Siemens will provide equipment and resources to advance the cardiovascular imaging research efforts of the DHLRI.

## Kudos

In November, John Kirkwood, President and CEO of the American Lung Association was at the Institute for a reception and tour of the Asthma Clinical Research Center, part of an ALA sponsored research network. **John Mastronarde** is the lead PI and Karen McCoy (Children's Hospital) is a Co-PI. OSUMC is a major component of this network which is comprised of 20 premier medical centers throughout the United States and a Data Coordinating Center.

The Division of Pulmonary, Critical Care, and Sleep Medicine was well represented at the American College of Chest Physicians Conference in Montreal this past November. Case Reports were presented by **Matthew Exline, John Mastronarde, Namita Sood, LeRoy Essig, James Allen, Steven Kadiev, Martin Valdivia-Arenas, Clay Marsh, and Jonathan Parsons**. Posters were presented by **Beth Besecker, Maria Lucarelli, and John Mastronarde**.

Also at the conference, a 2005 CHEST Foundation and GlaxoSmithKline Award for Clinical Research in Asthma was awarded to **Jonathan P. Parsons, MD** for the study Exercise-Induced Asthma in Athletes.

The Institute was also well represented in November at the Scientific Sessions of the American Heart Association 2005 in Dallas. Our faculty presented 42 abstracts and related scientific presentations and lectures. The faculty and their teams who presented at this year's meeting include **Bill Abraham, Jay Zweier, Carl Leier, Curt Daniels, George Billman, Arturo Cardounel, Nick Flavahan, Ruth Altschuld, Mark Ziolo, Yeong-Renn Chen, Sandor Gyorke, Mark Angelos, Cynthia Carnes, Kelly Hu, Charles Love, Yong Xia, Subha Raman, Nic Moldovan, and Muthu Periasamy**. At this year's meeting the Institute was among the top 15 institutions in the world in number of research presentations.

**Dr. C.D. Venkatakrishtana**, a Post Doc in the Institute, won Young Investigator Award during the *Society For Free Radicals In Biology And Medicine* annual meeting (SFRBM2005) held in Austin, TX. His work, co-authored by **Arun Tewari, Leni Moldovan, A.J. Cardounel, Jay Zweier, Periannan Kuppusamy, and Govindasamy Ilangovan** was well appreciated by the referees. This award consists of \$500 cash, a certificate and free registration for next year meeting to be held in Denver Colorado. Congratulations to Venkat!.

## New Members

In December, membership was approved for the following individuals:

**Robert Hamlin, DVM, PhD:** Investigator (Veterinary Biosciences). Dr. Hamlin's research is focused on integrative cardiovascular physiology and pathophysiology. Recent work has included drug safety.

**Peng George Wang, PhD:** Member (Biochemistry). Dr. Wang's laboratory has been working on the chemistry and biochemistry of nitric oxide donor compounds.

**Karen Wood, MD:** Associate Investigator (Internal Medicine: Pulmonary, Critical Care, and Sleep Medicine). Dr. Wood's focus is to understand immunological changes in the lung after bone marrow transplant that lead to the development of pulmonary graft versus host disease.

## COM and Columbus Children's Research Institute Research Collaboration Award

The OSU College of Medicine and Columbus Children's Research Institute (CCRI) are sponsoring a new, jointly funded intramural research award designed to stimulate collaboration between the two campuses.

The program will sponsor two awards, each consisting of two-year grants totaling \$100,000 (\$50,000 annually) for a research project jointly proposed by collaborators at the OSU College of Medicine and CCRI campuses. Basic and clinical scientists and health-services researchers who are full-time OSU faculty members are eligible to apply.

The specific project must be NEW, meaning one in which there has never been joint grant funding or a jointly published research abstract or scientific publication. The application deadline is Monday, February 13. For details about this award and the application process, visit [https://medicine.osu.edu/MMdl/?msg=200512081435\\_04|7987563](https://medicine.osu.edu/MMdl/?msg=200512081435_04|7987563).

## Bucks for Charity Sets New Records

Thanks to the kindness of more than 1,000 staff, the Medical Center raised a total of \$248,155.30 for the Community Charitable Drive, "Bucks for Charity." The Medical Center also set new records for donors and dollars raised! Everyone who contributed can take pride knowing that their donations will help our local communities and charitable organizations.



### Holiday Closures

University offices will be closed to observe the following holidays in January:

Monday, January 2: New Year's Day observed  
Monday, January 16: Martin Luther King Jr. Day



### January Programs and Events

**January 6: Nephrology Candidate Lecture;** noon, 165 Davis Heart & Lung.

**January 13: Research in Progress;** TBA.\*

**January 20: Research in Progress;** TBA.\*

**January 27: Research in Progress;** Haifeng Wu, MD; Pathology.\*

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



### Recent Publications

N. I. Moldovan: Emerging roles of reactive oxygen and nitrogen species in stem/progenitor cells (Editorial). *Antiox. Redox. Sign.*, vol. 7 (11/12), 1409-1412, 2005

N. I. Moldovan: Angiogenesis, *l'enfant terrible* of vascular biology, is coming of age (Editorial), *J.Cell Mol. Med.*, Vol. 9 (4), 775-776, 2005.,

## New Awards

PI: Garrie Haas  
Title: Resynchronization therapy in normal QRS study (RethinQ)  
Sponsor: St. Jude Medical  
Start date: 11/15/05      End date: 11/15/08

PI: Subha Raman  
Title: Paracor ventricular support system core lab  
Sponsor: Paracor  
Start date: 9/28/05      End date: 4/30/07

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