

DHLRI

FYI



DOROTHY M. DAVIS
HEART & LUNG
• RESEARCH INSTITUTE •

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

August 2005

U.S. News & World Report Best Hospitals

On July 8, U.S. News & World Report released its 2005 list of America's Best Hospitals. The Ohio State University Medical Center is recognized in 13 specialties. This is the most recognition OSUMC has ever have received from these rankings - last year ranking in 9 specialties and the year before that in 6 specialties. The programs recognized as being among the best in the country are: cancer, digestive disorders, geriatrics, gynecology, heart and heart surgery, hormonal, kidney disease, neurology/neurosurgery, orthopedics, respiratory, rehabilitation, urology, ears, nose and throat.

This type of national recognition is a reflection of the quality care provided by all of our faculty and staff, and the result of a great team effort by all of our components -- the College, Health System and OSUP -- and across all of our mission areas. As with other top medical centers, our ability to provide the best care in the country is linked to our strengths in research and education.

Core Operations Committee Formed

The excellent opportunities provided by our DHLRI Core facilities are one of the real benefits of our membership in the Institute. In order to provide direction, oversight and support for these facilities, a Core Operations Committee has been formed.

Goals of the Core Operations Committee:

- provide forum for core managers and resource for lab directors
- monitor customer needs and satisfaction
- develop long-range planning
- approve equipment upgrades and purchases
- assist with financial wellbeing

Please contact any of the current committee members if you have questions, concerns or suggestions about Core operations (Terry Elton, Tom Clanton, Mark Wewers, Lorri Sayre-Fowler). Meetings are held monthly so issues can be addressed promptly.

12th Avenue Closed for 2 Weeks

12th Avenue will be closed August 26th, 2005 through September 8th, 2005. This is to remove the tower crane for the Biomedical Research Tower construction site. There will also be a crane on 12th Avenue to perform final lifts for the project. Please plan accordingly and please inform all appropriate faculty, staff, researchers, contractors and students in your areas.

New H-1B Processing Procedures and Fees

Effective July 1, 2005, the process for H-1B visas has changed. The human resource contact for each department will continue to handle the initial paperwork. However, OIE (Office of International Education) will communicate directly with the employee after receipt of the H-1B request.

The fees for the H-1B visa process have also been updated. The fees are to be paid by the hiring department, not the employee. The new fee schedule is listed below:

Standard H-1B Visa Processing Fee	\$185	All Cases
OIE Supplemental Processing Fee	\$515	All Cases
Homeland Security Fraud Fee	\$500	Any cases where the individual does not work at OSU or does not currently hold an H-1 visa
Premium Processing Fee	\$1,000	Any cases where visa needs to be expedited

New Policies for Minor Volunteers

Starting July 1, 2005, the College of Medicine, along with the Medical Center, has implemented a policy regarding minor volunteers, under the age of 18. Some of the highlights of the new policy for minor volunteers are:

- Must be 16 or older
- Volunteers must take all safety training classes required of regular employees/students
- Must have current HBV and tetanus shots; volunteers pay all vaccination costs
- TB test may be required if volunteer is in repeated contact with patients
- No volunteers in BSL-3 facilities
- No keys or badge access for volunteers
- Volunteers must wear a hospital ID badge

All minor volunteers will need to complete paperwork prior to volunteering at the Institute. Please contact Bryan Ford in room 110 to obtain the proper paperwork for minor volunteers. If you have any questions please contact Bryan 292-0691.



August Programs and Events

August 5: Research in Progress; Sarah McWhinney (PI: Eng); Molecular Virology, Immunology & Medical Genetics.*

August 10: Heart Failure Club of Central Ohio; William Abraham, MD and Jonathan Sackner-Bernstein, MD; *Nitrates vs. Nesritide for the treatment of volume overloaded decompensated heart failure patients requiring intravenous vasodilator therapy.* Moderated by Ronald Frazier, MD. Program and dinner are FREE. Register on-line at <http://ccme.osu.edu>. 7:00 PM.

August 19: Research in Progress; Govindasamy Ilangovan, PhD; Cardiovascular Medicine.*

August 26: Research in Progress; Yeong-Renn Chen, PhD; Cardiovascular Medicine, Molecular & Cellular Biochemistry.*

August 27: AHA Heart Walk; COSI/ Genoa Park; Opening Ceremonies at 8:00 AM. Sign up to participate at <http://heartwalk.kintera.org/faf/home/default.asp?ievent=75268>.

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

Knowledge Now!

Knowledge Now (KNOW) is a new series of classes in education, information and technology resources held in the Prior Health Sciences Library.

The KNOW series will kick-off with Research and Information Week, August 22-25, 2005. The week's classes include research related topics such as the IRB, grant writing and "A Field Guide to GenBank and NCBI Molecular Biology Resources." A complete list of classes, updated on a regular basis, is available on the library web page at: <http://library.med.ohio-state.edu/4283.cfm>

A new online registration system makes it easy, quick and painless to register for a class! For more information, please contact Ruey Rodman at 292-4893.



Recent Publications

Abraham WT, Adams, KF, Fonarow, GC, Costanzo, MR, Berkowitz RL, LeJemtel TH, Cheng ML, Wynne J. In-Hospital Mortality in Patients With Acute Decompensated Heart Failure Requiring Intravenous Vasoactive Medications. *Journal of the American College of Cardiology*, July 5, 2005 46: 57-64.

K Bhalerao, SC Lee, WO Soboyejo, ABO Soboyejo. 2005. A folic acid-based functionalized surface for biosensor systems. *Journal of Materials Science: Materials in Medicine*, in press.

B Bhushan, DR Tokachichu, MT Keener, SC Lee. 2005. Morphology and adhesion of biomolecules on silicon-based surface. *Acta Biomaterialia* 1: 327-341.

P Decuzzi, SC Lee, B Bhushan, M Ferrari. 2005. A theoretical model for the margination of particles within the vasculature. *Annals of Biomedical Engineering* 33: 179-190.

SC Lee, MT Keener, DR Tokachichu, B Bhushan PD Barnes BJ Cipriany, M Gao, LJ Brillson. (2005) Preparation of a thin protein surface on thermally grown silicon dioxide. *Journal of Vacuum Science and Technology B*, in press.

PG Steg, L Joubin, J McCord, WT Abraham, JE Hollander. T Omland, F Mentré, PA McCullough, AS Maisel. B-Type Natriuretic Peptide and Echocardiographic Determination of Ejection Fraction in the Diagnosis of Congestive Heart Failure in Patients with Acute Dyspnea. *Chest*, 2005; 128: 21-29.

Zhao X, He G, Chen YR, Pandian RP, Kuppusamy P, Zweier JL. Endothelium-Derived Nitric Oxide Regulates Postischemic Myocardial Oxygenation and Oxygen Consumption by Modulation of Mitochondrial Electron Transport. *Circulation*, 2005; 111: 2966-2972.



Grants Office Tip of the Month: The electronic PA005 is here!

For your convenience, Elaine Wakely will continue to create a new PA005 for each new proposal – please send the proposal information to her as you did in the past.

PIs and Co-Is now may review and sign the form online:

1. Access the tool from the RF homepage (rf.osu.edu).
2. Use the same username and password that you use for the PI Portal to access the tool.
3. Click on the Approve button, and then choose the PA005 of interest.
4. Review the form.
5. To sign the form, click “**Approve**” at the bottom.

If the form is not acceptable for approval, please contact Elaine (2-3598 or wakely.2@osu.edu) before you select “**Disapprove**” or “**Approve for Submission.**” The latter options are used in rare cases. Clicking "disapprove" will wipe all the signatures already gathered. Clicking "approve for submission" will allow the form to go forward, but the Research Foundation will not sign the award document or set up a project until the form is re-routed for new signatures.

Please see Karla Gengler-Nowak or Elaine Wakely in the DHLRI Grants Office (110 DHLRI) with any questions about this tip.

New Awards

PI: Phil Binkley
Title: The impact of ultrafiltration versus standard IV diuretic therapy on heart rate variability in congestive heart failure
Sponsor: CHF Solutions
Amount: \$47,195
Start date: 6/9/05 End date: 6/30/06

PI: Elliott Crouser
Title: Induction of inflammation by mitochondrial proteins
Sponsor: NIAID
Amount: \$149,500
Start date: 7/1/05 End date: 6/30/07

PI: Terry Elton
Title: Hyperglycemic regulation of the human angiotensin II type 1 receptor
Sponsor: American Heart Association, Ohio Valley Affiliate
Amount: \$60,500
Start date: 7/1/05 End date: 6/30/06

PI: Sandor Gyorke
Title: Calcium signaling in cardiac excitation-contraction
Sponsor: John Fogarty International Center/NIH
Amount: \$13,894
Start date: 8/17/04 End date: 4/30/05

PI: Haitao Li
Title: Characterization of the molecular mechanism of organic nitrates bioactivation
Sponsor: American Heart Association, Ohio Valley Affiliate
Amount: \$60,500
Start date: 7/1/05 End date: 6/30/06

PI: Subha Raman
Co-PIs: Jay Zweier, Amy Ferketich, John Olesik
Title: Iron and atherosclerosis
Sponsor: NHLBI
Amount: \$411,125
Start date: 8/1/05 End date: 7/31/07

PI: Karen Wood
Title: Alloimmunity and lung disease after bone marrow transplantation
Sponsor: American Lung Association
Amount: \$40,000
Start date: 7/1/05 End date: 6/30/06

PI: Jay Zweier
Co-PIs: Yeong-Renn Chen, Periannan Kuppusamy, Xiaoping Liu
Title: Oxygen radicals and nitric oxide in postischemic injury
Sponsor: NHLBI
Amount: \$2,528,936
Start date: 8/1/05 End date: 7/31/10

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