
THE NEWSLETTER OF THE DAVIS HEART AND LUNG RESEARCH INSTITUTE

COLETTE TORNIK, EDITOR; KAREN FOUT, ASSOCIATE EDITOR

AUTUMN 2007



Save a Life, Donate Blood this Fall

Only five percent of the eligible U.S. population donates blood, and there is no substitution for blood from healthy donors. Save a life by scheduling to donate blood at one of the following fall blood drives: Monday, Oct. 1 at Ross Heart Hospital Lobby from 11 a.m. – 5 p.m., Wednesday, Oct. 10 at Morehouse Plaza from 8:30 a.m. – 2:30 p.m., Friday, Nov. 2 at Ross Heart Hospital Lobby from 7:30 a.m. – 5:30 p.m., Tuesday, Nov. 6 at OSU East Wallace Auditorium from 9:00 a.m. – 3:00 p.m., Wednesday, Nov. 7 at 650 Ackerman Building from 7:30 a.m. – 1:30 p.m. Visit www.givelife.org (sponsor code “buckeyes”) or call 293-LIFE to register. To schedule an appointment for the Ackerman blood drive e-mail Judith Sharp at judith.sharp@osumc.edu Walk-ins are welcome but may experience delays. Donors must wait eight weeks between donations. Learn more about the Buddy giveaway and upcoming blood drives on the Health and Wellness page located under The Workplace on OneSource.



New Employees

Please join us in welcoming these new employees to the DHLRI. Contact Colette.Tornik@osumc.edu to announce a new employee in the next issue.

- Andrei Maiseyeu- Post Doctoral Researcher, PI: Rajagopalan
 - Craig McKibben- Research Assistant, PI: Villamena
 - Nisharahmed Kherada- Post Doctoral Researcher, PI: Raja
 - Zhekang Ying- Post Doctoral Researcher, PI: Raja
 - Jeffrey Deiuliis- Post Doctoral Researcher, PI: Raja
 - Rizwan Ahmed- Post Doctoral Researcher, PI: Kupps
 - Sean Sliman- Research Assistant, PI: Pari
 - Geu-Ru Hong- Post Doctoral Researcher, PI: Mani Vannan*
 - Shizhen Liu- Post Doctoral Researcher, PI: Mani Vannan*
 - Wei Zhao- Post Doctoral Researcher, PI: Mani Vannan*
- * Joining OSU in October 2007

Both Kirsten Houck and Colette Tornik will be taking on new roles in the DHLRI starting on October 1st. Kirsten is starting the Grad Entry program at the College of Nursing and will serve in a part-time position as a GAA supporting the DHLRI Human Resources Office. Colette will take on Kirsten’s position as the assistant to the Administrative Director (Lorri Fowler).

Solid Organ Transplant for the Intensivist II Conference

On Friday, September 21st the Medical Center’s Continuing Medical Education will host “Solid Organ Transplant for the Intensivist II.” Conference will be held at the Convention Center at Easton. This is the second year of this annual conference which brings to OSU experts in the field of Critical Care and Transplantation.



OSU Researchers Discover Marker for Pulmonary Fibrosis

Clay Marsh, MD is the principal investigator for a study which has identified a specific growth factor that appears to contribute to the development of pulmonary fibrosis, suggesting they may be close to finding a cause for even the most puzzling form of the lung disease. The findings by lung and critical care researchers at OSU Medical Center show that the growth factor M-CSF initiates a process that promotes inflammation, producing collagen, or scar tissue, that causes fibrosis. M-CSF was found even in lung fluid from patients with idiopathic pulmonary fibrosis, a form of the lung disease with no known cause. The study appears in a recent issue of the American Journal of Respiratory and Critical Care Medicine.

Community of Science Seminar

Date: Tuesday, October 23rd, 2007 Time: 12:30 – 1:30 p.m. Location: Room 165, DHLRI

The Davis Heart and Lung Research Institute is sponsoring a seminar and live demonstration of Community of Science (COS), the largest web database network of its kind, comprised of funding announcements and detailed professional information for more than 480,000 scientists and scholars worldwide. Built in collaboration with leading research universities, government agencies and other R&D organizations from around the world, COS enables investigators to search funding opportunities and research institutions to promote their research, track current research, find collaborators and identify peer reviewers. The workshop will be lead by Sarah Starr, Director - Office of Funding and Research Development at The Ohio State University Research Foundation.

The demonstration is free for all OSU Faculty and Staff. If you would like to attend, please email your name and home department to cheryl.sroufe@osumc.edu before October 9th, 2007.



Outlook E-mail Tips

From the July CIO News Brief, by Larry Hurtubise, team lead for Instructional Services, CKM

Did you know that you could delay sending an e-mail until a specified date or time? Have you ever wished that an e-mail could send itself the moment you start a vacation or wish to activate a new policy or request? The good news for Outlook e-mail users is that this and other handy features are available in Outlook!

Try this...open a new, blank e-mail. Click the Options icon on the e-mail toolbar (Note: this is not the same as going to the Tools menu and clicking Options at the top of your new e-mail window). Under Delivery Options, check the “Do not deliver before:” box and choose the date and time. Any changes you make on this screen will only affect the e-mail you are creating. You can even send an email with “yes/no” voting buttons to see how your constituents feel about an idea or event! When you are done making changes, click close to save them.



Cardiovascular MRI and CT Journal Club Meetings

Beginning on September 11, the Cardiovascular MRI and CT Journal Club will meet every other Tuesday at 12 noon in room 205 Means Hall, the internal medicine conference room. CME credit for physicians and graduate credit for students will be available. Please contact Jennifer Dickerson (jennifer.dickerson@osumc.edu) or Marshall Winner (marshall.winner@osumc.edu) for more information.

2nd Annual Pulmonary Research Day

The Division of Pulmonary, Allergy, Critical Care and Sleep Medicine invites you and your group to the 2nd Annual Research Day scheduled to be held on September 28, 2007 in the Biomedical Research Tower. The Research Day provides a tremendous opportunity to celebrate the accomplishments of the Pulmonary Division and also share them with the local scientific community. Keynote speaker, Theodore J. Standiford, will be lecturing on “Sepsis-induced Immunosuppression: Role of Toll-like Receptor Signaling Cascades.” The agenda has been distributed via email. If you would like a copy of the agenda, please email Susheela Tridandapani at tridandapani.2@osu.edu.

Associate Dean for Translational and Applied Research

Chandan Sen, PhD, FACSM, FACN, has assumed the title of Associate Dean for Translational and Applied Research in the College of Medicine. In this new role, Chandan will facilitate ongoing research collaborations between basic and clinical investigators and chair the Technology and Commercialization Partnerships Council (TCP). Additionally, he will serve as liaison between the TCP and the University's Office of Technology Licensing and Commercialization. Dr. Sen, joins three other associate deans in leading the Research mission in the College: Joanna Groden, PhD; Michael Para, MD; and Rebecca Jackson, MD.

Chandan brings to this position a wealth of experience in the conduct of translational research. His own research program in wound healing spans the gamut of research activity from basic bench science to outcomes research in the community. He has mentored numerous basic scientists and physician scientists and has broad experience in commercialization activities, from patents to licenses and contracts. Dr. Sen is principal investigator on three active NIH RO1 grants and a clinical trial among others, a Fellow of the American College of Sports Medicine and the American College of Nutrition, and has delivered more than 100 invited lectures worldwide. In addition, he serves as editor of two major national journals and on the editorial boards of seven others, has co-edited nine books and written more than 150 published journal articles and 33 book chapters.

Translational Research Informatics Pipeline

From the August CIO News Brief, by Scott Silvey, senior programmer, Information Warehouse.

The Translational Research Informatics Pipeline (TRIP) is an integrated set of commercial and open-source packages that support the collection, management, and analysis of tissue data in both basic and translational research efforts. Linked with the IW's large clinical data repository, TRIP can provide the powerful ability to correlate genomic information with clinical phenotypes. At the top of the TRIP pipeline are tools for managing tissue data: caTissue and Clinical Annotation Engine (CAE). To support microarray work, the framework includes caArray and geWorkbench. To aid in the final stages of research analysis, TRIP incorporates several powerful statistical packages: SAS, R, BioConductor and the Spotfire data visualization tool. In the later stages of development, the TRIP framework is being used to aid important research work in OSUMC's Comprehensive Wound Center (CWC). For more information about how you can use TRIP, contact Jyoti Kamal, director of the IW at Jyoti.kamal@osumc.edu.



Kudos

Clay B. Marsh, director of the Center for Critical Care at the Ohio State University Medical Center, has been named chairman of the board of directors of the Stanley Sarnoff Cardiovascular Research Foundation. As the first pulmonary and critical care physician to serve as chair of the board of directors, Marsh will lead a group of internationally known cardiovascular medicine researchers and physicians to oversee the foundation. This item resulted from a news release distributed by OSU Medical Center media relations, available on the Web at: <http://medicalcenter.osu.edu/mediaroom/press/article.cfm?ID=3326&i=1>

Amanda Claggett, from Jeanette Marketon's lab, has been accepted as a Fellow onto the Integrative Immunobiology Training Grant.

Jeff Schafer, an undergraduate student in the Marsh Lab, has been awarded the William Marshall McGregor Award from the Phi Delta Theta Fraternity.

New Awards: Federal, State, and Foundations

PI: Chun-An Chen Co-I: Jay Zweier
Sponsor: American Heart Association – Great Rivers Affiliate
Title: *Molecular mechanisms of phosphorylation and oxidative modification of eNOS on the regulation of cardiovascular function*
Amount: \$86,000 Start date: 07/01/2007 End date: 06/30/2009

PI: Juan Crestanello Co-I: Jay Zweier
Sponsor: American College of Surgeons
Title: *Are mitochondria generated free oxygen radicals mediators of preconditioning?*
Amount: \$80,000 Start date: 07/01/2007 End date: 06/30/2009

PI: David Feldman Co-PIs: Terry Elton, Mark Ziolo, Sergiy Viatchenko-Karpinsky
Sponsor: NHLBI, R01HL084498
Title: *Adrenergically mediated remodeling in non-ischemic heart failure*
Amount: \$1,875,000 Start date: 09/01/2007 End date: 06/30/2012

PI: Nic Moldovan
Sponsor: American Heart Association – Great Rivers Affiliate
Title: *Role of oxygenation during C-Kit+ progenitor cells engraftment in experimentally infarcted hearts*
Amount: \$121,000 Start date: 07/01/2007 End date: 06/30/2009

PI: Chandan Sen Co-PI: Valerie Bergdall-Costell
Sponsor: NIGMS, R01 GM077185
Title: *Tissue oxygenation and wound angiogenesis*
Amount: \$1,200,000 Start date: 08/01/2007 End date: 06/30/2011

New Industry Support

PI: Emile Daoud Sponsor: CardioFocus
Title: *ENABLE-AF*
Amount: Clinical trial Start date: 07/20/2007 End date: 12/31/2010

PI: Emile Daoud Sponsor: CryoCath Technologies
 Title: *Arctic Front Trial/STOP AF/PS-0*
 Amount: Clinical trial Start date: 07/24/2007 End date: 12/31/2010

PI: Garrie Haas Sponsor: Hesperion (NovaCardia)
 Title: *PROTECT*
 Amount: Clinical trial Start date: 08/10/2007 End date: 01/31/2009

PI: Ayesha Hasan Sponsor: Pacesetter Inc. (St. Jude Medical)
 Title: *FREEDOM*
 Amount: Clinical trial Start date: 07/17/2007 End date: 07/16/2009

PI: Brad Rovin Co-PI: Tibor Nadasdy Sponsor: Osprey Pharmaceuticals
 Title: *Osprey-leukocyte population modifier program in inflammatory kidney diseases*
 Amount: \$16,540 Start date: 08/09/2007 End date: 11/08/2007

PI: Chandan Sen Co-PIs: Gayle Gordillo, Sashwati Roy, Richard Schlanger
 Sponsor: KCI Inc.
 Title: *A randomized, controlled trial examining cellular energetics and oxygenation levels related to various wound-healing therapies*
 Amount: Clinical trial; \$312,195 Start date: 06/22/2007 End date: 06/21/2009

PI: Chandan Sen Co-PI: Sashwati Roy, Savita Khanna Sponsor: Glycotex
 Title: *Molecular pathways in the wound macrophage and their modulation*
 Amount: \$250,000 Start date: 09/01/2007 End date: 08/31/2009

Recent Publications



Acharyya S, Villalta SA, Bakkar N, Bupha-Intr T, Janssen PML, Carathers M, Li Z, Ghosh S, Sahenk Z, Weinstein M, Gardner KL, Rafael-Fortney JA, Karin M, Tidball JG, Baldwin AS, Guttridge DC. IKK/NF- κ B Signaling interplay in macrophages and myofibers promotes muscle generation in Duchenne muscular dystrophy. *J. Clin. Invest.* 2007;117:889-901.

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