

# Physiology News



Department of Cellular & Integrative Physiology

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## Message from the Chair

Michael Sturek, Ph.D.

The department continues to move along with recruitment and growth in virtually all aspects of our missions – research, education, and service.

We welcome our newest faculty recruit, Dr. Johnathan Tune, who joins us from LSU Health Sciences Center. His contributions to our graduate training program and research agenda in diabetes and cardiovascular biology will be substantial. Dr. Deniz Dincer joins Tune's team as an Assistant Research Professor. We continue our search for the ideal electrophysiology / cellular imaging faculty member. As I write this, Dr. Alexander (Sasha) Obukhov, who studies TRP channels with electrophysiological and molecular biology methods, is planning his second visit to our department. Successful recruitment of this NIH funded scientist would continue our achievements.

Thanks to the efforts of Drs. Gallagher and Bohlen the faculty gathered in the last several months for "Research Integration" meetings to discuss NIH Program Project Grant (PPG) application ideas and other ideas for collaborations. As a result, we identified projects for a PPG in the area of "diabetes & vascular biology". I feel so very fortunate that so many faculty and research coworkers in the department can contribute to this effort. I further emphasize that this is only one of several PPGs and Center grants that can be submitted from our department in the next several years. These grants provide an essential foundation of support for further expanding our educational mission, especially in Ph.D. and postdoctoral training efforts that require research support.

Although we all know that the NIH funding climate is challenging (to put it too mildly!), I'm confident that our continued efforts along the theme of "integration" and capitalizing on all of our talents will enable us to move forward toward our goals. In addition, I encourage the department to increase industrial alliances and technology transfer by establishing more formal affiliation with industrial partners and increasing submission of invention disclosures.

All in the department have been working on one of our major goals – to develop a graduate curriculum for the transition into the new open enrollment system. More than 10 (I lost count) new mini-courses have received approval from the graduate college. We think that the significant faculty effort and valuable input from our students together have created courses that will provide the students with tools for successful careers.

Now please read on in our *Physiology News* to learn more from others about their success ...

## Emergency Evacuation Action Plan

An Emergency Evacuation Action Plan has been developed to assist IUPUI faculty, staff and students in responding to any emergency incident which requires the evacuation of a campus building. It complies with the requirements of the National Fire Protection Association Standards and OSHA Regulations. Each person should be familiar with their emergency evacuation plan, includes the following: fire; flood; hazardous chemical spill; tornado; earthquake; utility interruption or bomb threat.

Indiana University (medical science building) has implemented an Emergency Evacuation Plan. It is very important to know your set route of evacuation, know the refuge rooms & know the fire buddies for your area. Each lab should have an evacuation diagram posted. If not, please let Marlene ([mbrown3@iupui.edu](mailto:mbrown3@iupui.edu)) know, she will provide this for you.

The evacuation routes are to try to minimize confusion and over crowding on stairways. The refuge rooms are to be used for disabled and/or injured person(s) unable to exit the building in a normal and timely fashion. Our designated rooms are MS 331 (conf. room) and MS 356. If you help someone to, or know of someone in one of the refuge rooms. After you have exited the building yourself, notify one of the department fire buddies or emergency person(s), that we (Physiology, MS 3<sup>rd</sup> floor) have someone in one of our refuge rooms. Our fire buddies are: Patricia Gallagher, Fred Pavalko, Pamela Lloyd, Lixuan Tackett, Joyce Lawrence and Marlene Brown. If you have any questions and/or concerns, please do not hesitate to contact Marlene Brown.

## Publications from PubMed- Medline (September, 05 to February, 06)

### Publications:

Witczak, C.A., E.A. Mokolke, R. Boullion, J. Wenzel, D.H. Keisler, and M. Sturek. Noninvasive measures of body fat percentage in male Yucatan swine. *Comp. Med.* 55:445-451, 2005.

Shen, J., S.P. Halenda, M. Sturek, and P.A. Wilden. Cell signaling evidence for adenosine stimulation of coronary smooth muscle proliferation via the A<sub>1</sub> adenosine receptor. *Circ. Res.* 97:574-582, 2005. [Journal cover photo September 16, 2005] →

Dyson, M.C., M. Alloosh, J.P. Vuchetich, E.A. Mokolke, and M. Sturek. Components of metabolic syndrome and coronary artery disease in female Ossabaw swine fed excess atherogenic diet. *Comp. Med.* 56:35-45, 2006.

Committee to Develop a Resource Book for Animal Exercise Protocols (Sturek, M.). *Resource Book for the Design of Animal Exercise Protocols*. Bethesda, MD: American Physiological Society, 2006, 137 pages.

<http://www.the-aps.org/pa/action/exercise/book.pdf>

Rajashekhar G, Willuweit A, Patterson CE, Sun P, Hilbig A, Breier G, Helisch A, Clauss M. Continuous endothelial cell activation increases angiogenesis: evidence for the direct role of endothelium linking angiogenesis and inflammation. *J Vasc Res.* 2006;43(2):193-204. Epub 2006 Jan 12. PMID: 16410682 [PubMed - in process]



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Gama V, Yoshida T, Gomez JA, Basile DP, Mayo LD, Haas AL, Matsuyama S. Involvement of the ubiquitin pathway in decreasing Ku70 levels in response to drug-induced apoptosis. *Exp Cell Res.* 2006 Feb 15;312(4):488-99. PMID: 16368436 [PubMed - in process]

Basile DP, Donohoe DL, Phillips SA, Frisbee JC. Enhanced skeletal muscle arteriolar reactivity to ANG II after recovery from ischemic acute renal failure. *Am J Physiol Regul Integr Comp Physiol.* 2005 Dec;289(6):R1770-6. Epub 2005 Aug 11. PMID: 16099826 [PubMed - indexed for MEDLINE]

Liang M, Cowley AW Jr, Hessner MJ, Lazar J, Basile DP, Pietrusz JL. Transcriptome analysis and kidney research: toward systems biology. *Kidney Int.* 2005 Jun;67(6):2114-22. Review. PMID: 15882254 [PubMed - indexed for MEDLINE]

Chen G, Liu P, Pattar GR, Tackett L, Bhonagiri P, Strawbridge AB, Elmendorf JS. Chromium Activates GLUT4 Trafficking and Enhances Insulin-Stimulated Glucose Transport in 3T3-L1 Adipocytes via a Cholesterol-Dependent Mechanism. *Mol Endocrinol.* 2005 Dec 8; [Epub ahead of print] PMID: 16339278 [PubMed - as supplied by publisher]

Strawbridge AB, Elmendorf JS. Endothelin-1 impairs glucose transporter trafficking via a membrane-based mechanism. *J Cell Biochem.* 2006 Mar 1;97(4):849-56. PMID: 16240321 [PubMed - in process]

Strawbridge AB, Elmendorf JS. Does airway inflation stretch the bronchial mucosal membrane? *J Appl Physiol.* 2005 Dec; 99(6):2059-60. No abstract available. PMID: 16288098 [PubMed - indexed for MEDLINE]

Yin F, Hoggatt AM, Zhou J, Herring BP. The 130kDa Smooth Muscle Myosin Light Chain Kinase is transcribed from a Ca<sup>2+</sup>-Dependent, Internal Promoter Within the Mouse MYLK Gene. *Am J Physiol Cell Physiol.* 2006 Jan 11; [Epub ahead of print] PMID: 16407417 [PubMed - as supplied by publisher]

Triplett JW, Herring BP, Pavalko FM. Adenoviral transgene expression enhanced by cotreatment with etoposide in cultured cells. *Biotechniques.* 2005 Dec;39(6):826, 828, 830, passim. No abstract available. PMID: 16382899 [PubMed - indexed for MEDLINE]

Zhou J, Hu G, Herring BP. Smooth muscle-specific genes are differentially sensitive to inhibition by Elk-1. *Mol Cell Biol.* 2005 Nov;25(22):9874-85. PMID: 16260603 [PubMed - indexed for MEDLINE]

Lammers PE, Beck JA, Chu S, Kempson SA. Hypertonic upregulation of betaine transport in renal cells is blocked by a proteasome inhibitor. *Cell Biochem Funct.* 2005 Sep-Oct;23(5):315-24. PMID: 15945068 [PubMed - indexed for MEDLINE]

Raikar LS, Vallejo J, Lloyd PG, Hardin CD. Overexpression of caveolin-1 results in increased plasma membrane targeting of glycolytic enzymes: The structural basis for a membrane associated metabolic compartment. *J Cell Biochem.* 2006 Feb 1; [Epub ahead of print] PMID: 16453288 [PubMed - as supplied by publisher]

Charoonpatrapong K, Shah R, Robling AG, Alvarez M, Clapp DW, Chen S, Kopp RP, Pavalko FM, Yu J, Bidwell JP. HMGB1 expression and release by bone cells. *J Cell Physiol.* 2006 Jan 17; [Epub ahead of print] PMID: 16419037 [PubMed - as supplied by publisher]

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Triplett JW, Herring BP, Pavalko FM. Adenoviral transgene expression enhanced by cotreatment with etoposide in cultured cells. *Biotechniques*. 2005 Dec;39(6):826, 828, 830, passim. No abstract available. PMID: 16382899 [PubMed - indexed for MEDLINE]

Korte FS, Mokolke EA, Sturek M, McDonald KS. Exercise improves impaired ventricular function and alterations of cardiac myofibrillar proteins in diabetic dyslipidemic pigs. *J Appl Physiol*. 2005 Feb;98(2):461-7. Epub 2004 Oct 1. PMID: 15465890 [PubMed - indexed for MEDLINE][This is Feb 2005; too old.]

Lanner MC, Raper M, Pratt WM, Rhoades RA Heterotrimeric G proteins and the platelet-derived growth factor receptor-beta contribute to hypoxic proliferation of smooth muscle cells. *Am J Respir Cell Mol Biol*. 2005 Oct; 33(4):412-9. Epub 2005 Jul 7. PMID: 16002578 [PubMed - indexed for MEDLINE]

Bhangoo, A.P.S., Hunter, C.S., Savage, J.J., Anhalt H, Pavlakis S, Walvoord E.C., Ten, S., and Rhodes, S.J. (2006). A novel LHX3 mutation presenting as combined pituitary hormonal deficiency. *J. Clin. Endocrinol. Metab.* In press.

Yaden, B.C., Garcia, M.III, Smith, T.P.L., and Rhodes, S.J. (2006). Two promoters mediate transcription from the human LHX3 gene: involvement of nuclear factor I and specificity protein 1. *Endocrinology* 147(1):324-37.

Packer, CS. Angiotensin II as a multifunctional hormone: A regulator of hemodynamics and metabolism with potential roles in the etiologies of hypertension and metabolic syndrome. *J Hypertens* 24:37-38, 2006.

Packer, CS. Soluble guanylate cyclase (sGC) down-regulation by abnormal extracellular matrix proteins as a novel mechanism in vascular dysfunction: Implications in metabolic syndrome. *Cardiovasc Res* 69:302-303, 2006.

Dominguez, JH, Wu, P, Hawes, JW, Deeg, M, Walsh, J, Packer, CS, Nagase, M, Temm, C, Goss, E and Peterson, RG. Studies of renal injury V: Lipotoxicity in male and female rats with metabolic syndrome. *Kidney International*, 2006 in press.

Hopper RK, Carroll S, Aponte AM, Johnson DT, French S, Shen RF, Witzmann FA, Harris RA, Balaban RS. Mitochondrial Matrix Phosphoproteome: Effect of Extra Mitochondrial Calcium. *Biochemistry*. 2006 Feb28;45(8):2524-2536. PMID: 16489745 [PubMed - as supplied by publisher]

Vracko M, Basak SC, Geiss K, Witzmann F. Proteomic Maps-Toxicity Relationship of Halocarbons Studied with Similarity Index and Genetic Algorithm. *J Chem Inf Model*. 2006 Jan 23;46(1):130-136. PMID: 16426049 [PubMed - as supplied by publisher]

Randic M, Witzmann FA, Kodali V, Basak SC. On the Dependence of a characterization of Proteomics Maps on the Number of Protein Spots Considered. *J Chem Inf Model*. 2006 Jan 23;46(1):116-122. PMID: 16426047 [PubMed - as supplied by publisher]

Hawkins DM, Basak SC, Kraker J, Geiss KT, Witzmann FA. Combining Chemodescriptors and Biodescriptors in Quantitative Structure-Activity Relationship Modeling. *J Chem Inf Model*. 2006 Jan 23;46(1):9-16. PMID: 16426034 [PubMed - as supplied by publisher]

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## Special Invitations, Seminars, Forums, Presentations, Awards & Memberships

Sturek, M. "Coronary restenosis and exercise training in hyperlipidemic and diabetic swine". Seminar, Southern Illinois University School of Medicine, Springfield, IL.

Johnathan Tune, has been appointed to the Vascular Biology and Blood Pressure/Regulation peer review committee by the National Center of the American Heart Association.

The Midwest Student Biomedical Research Forum was held February 17 & 18, 2006 in Omaha, Nebraska. The competition was based on their abstracts and oral presentations. First place went to Matthew Zipse (2005 summer research with M. Sturek) "Serca Inhibition by Cyclopiazonic Acid Prevents Ca<sup>2+</sup> Dysregulation in Organ Cultured Coronary Smooth Muscle."

Patrick L. Gentry (new graduate student) co-authored a review with Dr. Kempson that was published this year: Title: Mechanisms of Endothelial Dysfunction: Clues from Cyclosporine Source: Journal of Pharmacology and Toxicology 1(1): 19-32, 2006

2nd yr medical student Nathan Thompson was awarded a Summer Research Scholarship by IUSM for research accomplished during summer 2005 in the labs of Glenn Bohlen and Steve Kempson. Nathan will present a talk and poster based on this work at EB 2006 in San Francisco.

Angelia Lockett presented a poster at the American Society for Cell Biology Meeting in San Francisco, CA which was held December 10 - 14, 2005. Title "Differential regulation of IRAK-1 to control NF-kB dependent gene expression."

Eric Rodenberg and Jennifer Rodenberg presented posters at the December, 2005 American Society for Cell Biology meeting in San Francisco.

Holly Bauser passed her qualifying exam in August. Way to go Holly! Even better, Holly also got engaged on December 22 to Andrew Heaton, so wedding bells are in her future and they plan to marry on July 29, 2006. Congratulations!!

Jason Edwards has recently passed his qualifying exam. Good Job!

Go Wu!! Wuqiang Zhu presented his thesis proposal in December 2005 and is now officially a candidate for the doctoral degree.

Subah Packer, Indiana Local Outreach Team (LOT) Leader and LOT members are pleased to announce that we have filled all of our available positions for 2006 summer research teachers. Four of the 21 teachers in the nation who have been awarded American Physiological Society (APS) Frontiers in Physiology Professional Development Fellowships are the summer research teachers in our LOT Program (see attached). Each Professional Development Fellow will receive \$8500 in extramural support through our current NIH Science Education Partnership Award with the APS Education Office. The awardees are also announced on the APS website:

<http://www.the-aps.org/education/frontiers/awd2006.htm>

Erin Knapp, Lawrence North High School, Indianapolis, IN - Frank A. Witzmann, Ph.D., Indiana University School of Medicine



Kathryn E. Madren, Lawrence Central/Lawrence North High Schools, Indianapolis, IN  
-Steven J. Miller, Ph.D., Indiana University School of Medicine

William Geoffrey Mahl, Seymour Middle School, Seymour, IN -Stephen A. Kempson,  
Ph.D., Indiana University School of Medicine

Elmer Sanders, Arsenal Technical High School, Indianapolis, IN -C. Subah Packer,  
Ph.D. Indiana University School of Medicine

## Upcoming Seminars

"Extreme Makeover: Postdoc Edition", Philip S. Clifford, Ph.D., Associate Dean for Postdoctoral Education Medical College of Wisconsin. Friday, March 10<sup>th</sup>, 2006, Riley Hospital Outpatient Center (ROC) Auditorium 1:30 p.m. **All IU School of Medicine postdocs, grad students, and faculty are welcome**

| <b>SPRING</b>                                   | <b>2006</b>          | <b>Cellular &amp; Integrative Physiology</b>  |
|---|----------------------|---|
| <b>DATE</b>                                     | <b>ROOM</b>          | <b>SPEAKER : "TITLE"</b>  |
| ----- Spring Recess, 13-March to 20-March ----- |                      |   |
| 23 Mar, Thursday                                | MS326                | ----- Open -----  |
| 30 Mar, Thursday                                | MS326                | Chris Quirk, Ph.D. (Host: S. Rhodes)  |
| 6 Apr, Thursday                                 | MS326                | Peippei Ping, Ph.D. (Host: Witzmann)  |
| 13 Apr, Thursday                                | MS 326               | Lori Raetzman, Ph.D. (Host: S. Rhodes)  |
| 20 Apr, Thursday                                | MS 326               | ----- Open -----  |
| 27 Apr, Thursday                                | MS 326               | Renata Pasqualini, Ph.D. (Host: March)  |
| <b>2 May,<br/>Tuesday</b>                       | <b>R4<br/>Rm 101</b> | <b>- Joint Seminar with ICVBM -<br/>Simon J. Conway, Ph.D.: "Transgenic analysis of<br/>the murine great outflow tract vessels"</b> |

## New Funding (Report Period: 08/09/2005 to 03/01/06)

| <b>Name</b>           | <b>Agency Report</b> | <b>Begin Date</b> | <b>Proposal/Award</b> |
|-----------------------|----------------------|-------------------|-----------------------|
| GALLAGHER,PATRICIA J. | NIH-NIDDK            | 8/1/2005          | New                   |
| GALLAGHER,PATRICIA J. | NIH-NHLBI            | 12/1/2005         | Non-Competing/Contin  |
| GUNST,SUSAN J.        | NIH-NHLBI            | 7/1/2005          | Non-Competing/Contin  |
| GUNST,SUSAN J.        | AM HEART ASSN        | 1/1/2006          | Non-Competing/Contin  |
| HERRING,BRIAN PAUL    | AM HEART ASSN        | 7/1/2005          | New                   |
| HERRING,BRIAN PAUL    | NIH-NIDDK            | 8/1/2005          | Non-Competing/Contin  |
| HERRING,BRIAN PAUL    | AM HEART ASSN        | 1/1/2006          | Non-Competing/Contin  |
| HERRING,BRIAN PAUL    | NIH-NIDDK            | 2/1/2006          | Non-Competing/Contin  |
| KEMPSON,STEPHEN A.    | AM HEART ASSN        | 7/1/2005          | Non-Competing/Contin  |
| PAVALKO, FREDRICK M.  | NASA                 | 7/1/2005          | Supplement            |
| STUREK, MICHAEL S.    | NIH-NHLBI            | 9/1/2005          | Non-Competing/Contin  |
| STUREK, MICHAEL S.    | CBR2 PILOT           | 2/1/2006          | New                   |
| STUREK, MICHAEL S.    | SHOWALTER            | 7/1/2006          | New                   |
| WITZMANN, FRANK A.    | NIH-NIAAA            | 9/15/2005         | New                   |
| WITZMANN, FRANK A.    | AFOSR                | 12/1/2005         | New                   |

## Special Recognition *America's Top Docs recognizes 50 at medical center*

Fifty IUSM faculty physicians who practice at the Wishard Health Services, Roudebush VA Medical Center and Clarian Health Partners – Methodist, Indiana University and Riley Hospitals – have been recognized as top specialists in their fields and included in the 2005 issue of *America's Top Doctors*. Statewide, *America's Top Doctors* listed 64 physicians, of which 50 are affiliated with the IU Medical Center and Clarian Health Partners. The annual publication focuses on the top 1 percent of specialists and sub-specialists across the nation. Fewer than 1 percent of the hospitals in the United States have more than one doctor listed in the guide. *America's Top Doctors* is published by Castle Connolly Medical Ltd, and is an authoritative consumer guide to the nation's top specialists. The list of physicians is generated based on nominations by their peers and extensive surveys.

IUSM faculty recognized in the 2005 edition of *America's Top Doctors*, their areas of specialization are:

Sharon P. Andreoli – Pediatric Kidney Disease  
 Jerry Bergstein - Pediatric Kidney Disease  
 John W. Brown – Cardiothoracic Surgery  
 Randall Caldwell – Pediatric Cardiology  
 William Chernoff - Plastic/Reconstructive Surgery  
 John J. Coleman III - Plastic Surgery  
 Michael Econs - Endocrinology  
 Lawrence Einhorn – Hematology-Oncology  
 Erica Eugster – Pediatric Endocrinology/Diabetes  
 Robert Fallon – Pediatric Hematology/Oncology  
 Martin Farlow - Neurology  
 J. Dennis Fortenberry – Adolescent Medicine  
 Richard Foster - Urology  
 Robert Goulet, Jr. - Breast Cancer  
 Jay Grosfeld - Cancer Surgery  
 Matthew Johnson – Interventional Radiology  
 Young-Jee Kim – Pediatric Pulmonary  
 John Kincaid - Neurology  
 Martin B. Kleiman - Pediatric Infectious Disease  
 Paul Kwo - Gastroenterology/Hepatology  
 James Lemons - Neonatal-Perinatal Medicine  
 Keith Lillemoe - General Surgery  
 Patrick J. Loehrer Sr. - Medical Oncology  
 Katherine Look - Ovarian Cancer  
 Thomas Luerssen - Pediatric Neurosurgery  
 Christopher McDougale – Child Psychiatry  
 Douglas McKeag - Family Medicine/ Sports

Medicine  
 Alexander Mih – Hand and Microsurgery  
 Douglas K. Miller - Geriatrics  
 Richard T. Miyamoto – Otolaryngology  
 Jean Molleston – Pediatric Gastroenterology  
 David Moore – Gynecologic Oncology  
 John Mulcahy - Urology  
 Robert Pascuzzi - Neurology  
 Douglas Rex - Gastroenterology  
 Richard Rink - Pediatric Urology  
 Karen L. Roos - Neurology and Infectious Diseases  
 Scott Shapiro - Neurosurgery  
 K. Donald Shelbourne - Orthopedic Surgery  
 George Sledge Jr. - Breast Cancer  
 Rajiv Sood – Plastic and Reconstructive Surgery  
 Frederick B. Stehman - Gynecologic Oncology  
 Rosa Ten – Allergy and Immunology  
 Patricia Treadwell - Pediatrics  
 Mark W. Turrentine – Cardiothoracic Surgery  
 Thomas Ulbright – Pathology  
 Elisabeth von der Lohe - Interventional Cardiology/Women's Health  
 David D. Weaver – Clinical Genetics  
 Stephen Williams – Medical Oncology  
 Douglas Zipes - Arrhythmias

## Froehlich named interim vice chancellor for research

Janice Froehlich, PhD, professor of medicine, has been appointed interim vice chancellor for research and interim associate vice president for research, effective immediately.

Dr. Froehlich is a Chancellor's Professor of Medicine with joint appointments as professor of cellular and integrative physiology and of medical neurobiology. Her research focuses on alcoholism and addiction, and she serves as scientific co-director of the Indiana Alcohol Research Center. "Dr. Froehlich's research on the genetic and biological basis of alcoholism exemplifies the strength of IUPUI as Indiana's health and life sciences campus," said IUPUI Chancellor Charles Bantz, PhD. "Research is vital to the future of Indiana and the research being conducted at IUPUI, which ranges from

understanding the processes of addiction to enhancing the treatment of cancer, and from inventing new applications of information technology to understanding the environment of the White River, contributes to solving serious medical and social problems and spawning new business in the state of Indiana.”

Dr. Froehlich succeeds Mark Brenner, PhD, who left IUPUI to serve as vice president for research and dean of the Graduate School at the University of Nevada, Reno.

## **\*New \* Employee Pay Online**

### **How to Find Your Paycheck Information in OneStart**

Go to **OneStart** at <https://onestart.iu.edu/my-prd/Portal.do> and click on the **Login** button.

A new page pops up and you see a row of tabs near the top of the page. Click on the **HRMS, Staff Tools, or Faculty Tools** tab that appears on your OneStart page. This takes you to a new page. Another window opens and you need to look for a box titled **Employee Self Service**. To see your most recent payroll information, click on **View**



**Paycheck**. To chose a previous payroll period, click on **View Paycheck History**. Click on **View Paycheck**.

If a Security Alert window opens informing you that you are going to a secure site, click **Yes**.

[http://www.fms.iu.edu/payroll/pay\\_advice/PaycheckOnline](http://www.fms.iu.edu/payroll/pay_advice/PaycheckOnline)

## *Welcome!*

### **New Faculty & Staff**

Johnathan Tune – associate professor  
 Umit (Deniz) Dincer – assistant res. professor (Tune)  
 Jim Wenzel- swine resource supervisor (Sturek)  
 Fan Zhang – research technician (Sturek)  
 Bharagvi Vemuri – post doc (Gunst)  
 Lindsay Summy – work study (Sturek)  
 Abraham Wright – work study (Sturek)  
 Liguozhang – post doc (Gallagher)  
 Youliang (Bill) Huang – post doc (Gunst)

### **New Graduate Students**

Zach Neeb  
 Patrick Gentry  
 Guru Pattar  
 William Roell

### **2006 Staff Anniversaries** *(January, February & March)*

1/14/86 – David Lounsbury – 20 years

**Happy Anniversary**

3/24/01 – Ellen Leonard – 5 years

## **New Arrivals & Expecting Arrivals** Congratulations to All!

Mr. & Mrs. Mouhommad Alloosh (Sturek lab) welcomed their third child, little Ms. Fatima on November 24<sup>th</sup>, 4:00 a.m., weighing 7 lb and 14 oz

Mr. & Mrs. Steve Perkins (MS student) welcomed the arrival their first son, Master Tate Wesley Perkins, on November 13, 2005 and weighing in at 7lb. 4 oz.

Mr. & Mrs. Hoggatt (*April, with P. Herring*) are expecting their second child.

George and Natalie Potter took their new baby girl home on Valentine's day! George Potter is a Master's of Health Sciences Education student and an American Physiological Society Frontiers in Physiology Professional Development Fellow in Subah Packer's laboratory. George and Natalie Potter's daughter, Ella Elizabeth was born 3 1/2 months early and stayed in the hospital for 106 days before coming home on Valentine's Day. To share in her amazing story go to [www.joyshare.com/sites/ellaelizabeth-](http://www.joyshare.com/sites/ellaelizabeth-)

## **New Job – Good Luck!**

**Pamela Lloyd, Ph.D.** accepted a tenure-track Assistant Professor position in the Department of Physiological Sciences at Oklahoma State University's Center for Veterinary Health Sciences. She will be moving to Stillwater, OK in August. (Driving from Indiana to Oklahoma with 2 toddlers and 2 cats in a Toyota Corolla should be fun!)

**Eric Mokolke, Ph.D.** accepted a Senior Scientist position at Guidant Corporation in St. Paul, Minnesota and started on the job in February.

## **Special Thoughts & Prayers** *are needed!*

*Bess Ochs is battling cancer for the second time. Please keep her, Dr. Sidney Ochs & family, in your thoughts and prayers.*

## **Upcoming Campus Holidays**



### **SPRING BREAK – MARCH 13-17, 2006**

Friday, April 14 – Campus Spring Holiday

Monday, May 29, Memorial Day

Tuesday, July 4, Independence Day

## After Hours and On the Side:

### Softball League

If any one is interested in joining a summer co-ed Softball League please contact **Patrick Gentry** at patrick-1.gentry@hotmail.com or via 317-280-0513. I would like to get enough people to get a team together for a Sunday League, on the North West Side of Indy.



Jim Vuchetich (senior research technician for Dr. Sturek) was interviewed by the magazine *Hendricks County Business Leader* ([www.hcbusinessleader.biz/](http://www.hcbusinessleader.biz/)) about a business he owns, the article should run in the next few weeks. Watch for it!

Jim also, wrote and submitted songs to the 2005 Song & Lyric Competition. Three of the songs he wrote received an honorable mention, and three other songs ranked “runner-up”. Alec Sheehy and Carla Hanafee (both from the Sturek lab) also helped in creating these songs. [www.songoftheyear.com](http://www.songoftheyear.com)

### Song of the Year 2006 Song & Lyric Competition

**Winners-** The Winners are the songwriters with the #1 rated song in their category in a given month. These songs will compete at the end of the year in their respective category to establish the yearly winner. The yearly winner from each category will then compete for the Grand Prize and status of “song of the year”.

**Finalists-** The Finalists are the top four rated songwriters, after the winning song, in their respective category (If the votes are within a minimal range an extra song may be included as a finalist song). These submissions along with the winning submissions are sent out to the Song of the Year resources for further consideration.

**Honorable Mentions-** Honorable Mention means that the preliminary judges and/or the professionals offering the critiques have found your submissions exceptional for one reason or another. It could be the lyrics, melodies, music, etc... If Song of the Year receives a lot of positive responses from our judges about a song, you will be place in the Honorable Mention category. This status indicates that a submission was found impressive by a number of the judges.

**Suggested Artists-** Suggested Artists are musicians or songwriters that the Song of the Year staff found impressive and would suggest for listening. Unlike the Honorable Mention, the Suggested Artist is based on the Song of the Year staff, not the judges. Song of the Year keeps the listings updated on the website so that you can use it as a reference if you need to. Song of the Year wants anyone you refer to this listing to know that the staff thought that your song was found to be quite impressive.

**Runner Ups-** Runner Ups are based on the point system alone. The judges each month are given forms to rank the songs they receive on elements like structure, melodies, music, lyrics, etc..... This is what the Winners and Finalists are selected by. The Runner Ups are based on high scores from the judges. The Runner Ups are some of the highest ranked songs that did not make it into the top five picks.

August, 2005 Jim Vuchetich received **Honorable Mentions -**  
<http://www.songoftheyear.com/winners/runnerups/082005r.htm>

Then, December, 2005 Jim Vuchetich received a **Runner Up** position.  
[http://www.songoftheyear.com/winners/runnerups/122005runners\\_up.htm](http://www.songoftheyear.com/winners/runnerups/122005runners_up.htm)



This photo won a \$500 grand prize for the Nalgene LabPix contest in early February.

<http://www.nalgenelabpix.com/galleryWinner.html>

James Vuchetich  
Sturek Lab

*Jim stays busy*



### **Cell Phone Etiquette Essentials:**

1. Let your voicemail take your calls when you're in meetings, courtrooms, restaurants or other busy areas. If you must speak to the caller, use the e-mail or text messaging feature or excuse yourself and find a secluded area.
2. Speak in your regular conversational tone and don't display anger during a public call. Speaking loudly or showing emotion may distract those around you.
3. Use your vibrate function or turn off your phone in public places such as movie theaters, religious services, restaurants, etc. Many wireless phones now have environmental settings that automatically adjust the phone and its features so you do not disrupt your surroundings.
4. If you are expecting a call that can't be postponed, alert your companions ahead of time and excuse yourself when the call comes in; the people you are with should take precedence over calls you want to make or receive.
5. Avoid interrupting meetings, social gatherings or personal conversations by answering your wireless phone or checking your voicemail. Discreetly excuse yourself if you must take the call.
6. Use discretion when discussing private matters or certain business topics in front of others. You never know who is within hearing range.
7. When walking and talking on your wireless phone, be aware of your surroundings and remember to respect the rights of others.
8. Practice wireless responsibility while you are driving. Place calls when your vehicle is not moving. Don't make or answer calls while in heavy traffic or in hazardous driving conditions. Use a hands-free device in order to help focus attention on safety. And always make safety your most important call.



**"Just remember, they can't outsource your job if they don't know what you do."**