



Congratulations!

Congrats to **Mark Kelley** for new patent number 6,406,917, "Methods and compositions for the use of apurinic/aprimidinic endonucleases", issued June 18, 2002.

Congratulations to **Rob Hromas** who received a 2002 Trustees' Teaching Award.

Congratulations to **Harikrishna Nakshatri** upon his promotion with tenure to Associate Professor.

And more congratulations to **Hari Nakshatri** on the birth of his second daughter, Sapna, on May 8, 2002.



New Grant Awards

Debbie Thurmond: Biomedical Research Award, "Regulation of Insulin Secretion by the Actin Cytoskeleton and SNARE Proteins".

Debbie Thurmond: Showalter Research Award, "GLUT4 Translocation in Munc18c and Syntaxin 4 Transgenic Mice".

Harikrishna Nakshatri: National Cancer Institute/Strang Cancer Prevention Center 2-year contract, "Evaluation of chemopreventive agents by in vitro techniques".

Harikrishna Nakshatri: Aventis Pharmaceuticals 1-year grant, "Role of NF-KB Regulated Genes in Resistance to Docetaxel in Breast Cancer".

Alex Skurat: Biomedical Research Award, "Identification and Characterization of Protein Kinase Which Phosphorylates Site 3a in Glycogen Synthase".

Joyce Hurley: Showalter Research Award, "Living with Syn: Calcium Channel Interactions with the Synaptic Vesicle Protein, Syntaxin".

Mu Wang: Showalter Research Award, "Role of BRCA1 in DNA Repair".



Welcome

Robert C. McCarthy, Ph.D. was recently appointed as Adjunct Assistant Professor of Biochemistry and Molecular Biology. He will bring an important industrial perspective to the new Biotech Training Program.

August Seminars

8/6 Trevor T. Starnes, Graduate Student, Biochemistry and Molecular Biology, IUSM; "Characterization and Functional Analysis of the IL-17 Family of Proteins" **1:00 p.m.** MS B26

8/7 Kun Ma, Graduate Student, Biochemistry and Molecular Biology, IUSM; "Regulation of translational control in response to ER stress" **9:00 a.m.** MS B26

8/19 Zhong Wang, Graduate Student, Biochemistry and Molecular Biology, IUSM; "Glycogen Metabolism in the Yeast *Saccharomyces Cerevisiae*: Role and Regulation of Autophagy" **4:00 p.m.** MS 326



Recent Publications

Gasa R., Clark, K., Yang, R., **DePaoli-Roach, A.A.**, and Newgard, C.B. (2002). Reversal of diet-induced glucose intolerance by hepatic expression of a variant glycogen-targeting subunit of protein phosphatase-1. *J. Biol. Chem.* **277**, 1524-1530.

Carr, A.N., Schmidt, A. G., Suzuki Y., del Monte, F., Sato, Y., Lanner, C., Breeden, K., Jing, S-l., Allen, P. B., Greengard, P., Yatani, A., Hoit, B. D., Grupp, I. L., Hajjar, R. J., **DePaoli-Roach, A.A.**, and Evangelia G. Kranias, E. G. (2002) Type-1 phosphatase: A negative regulator of cardiac function. *Mol. Cell. Biol.* **22**, 4124-4135.

Bennin, D. A., Arachchige Don, A. S., Brake, T., McKenzie, J. L., Rosenbaum, H., Ortiz, L., **DePaoli-Roach, A. A.**, Horne, M. C. (2002). Cyclin G2 associates with protein phosphatase 2A catalytic and regulatory B' subunits in active complexes and induces nuclear aberrations and a G1/S phase cell cycle arrest. *J. Biol.* **277**, 27449-27467.

Dobson, A.W., Grishko, V., LeDoux, S.P., **Kelley, M.R.**, Wilson, G.L., Gillespie, M.N. (2002) Enhanced mtDNA repair capacity protects pulmonary artery endothelial cells from oxidant-mediated death. *Am J Physiol Lung Cell Mol Physiol.* **283**(1):L205-10.

Bhat-Nakshatri, P., Sweeney, C.J., and **Nakshatri, H.** (2002) Identification of signal transduction pathways involved in constitutive NF- κ B activation in breast cancer cells. *Oncogene* **21**, 2066-2078.

Important Dates

- 8/21 Classes Begin**
- 9/2 LABOR DAY
- 9/15 NIH New Research, FIRST and Career Development Awards, All Program Project and Center Grants
- 10/15 NIH Competing continuation, revised grants
- 11/28 THANKSGIVING
- 12/10 Finals begin
- 12/24 MERRY CHRISTMAS!
- 1/1/03 HAPPY NEW YEAR!
- 1/8 Classes begin

Lab and Safety Training for New Students and Employees

Environmental Health and Safety is providing a special training session for new graduate students and new employees on Friday, August 23rd from 2:00-4:00 p.m. in MS 326. This is a special, con-

densed 2-hour session (instead of the usual 3 hours) and will cover lab safety and bloodborne pathogens. All new grad students from Biochem and other basic sciences are invited, as well as any new employees who have

not yet attended safety training, or those who would benefit from a refresher course. If you'd like to attend, please contact Pam Nichols in the Biochem Office at 4-2719 or pnichol@iupui.edu.

Regenstrief Institute
- Medical
Informatics Lecture

Randolph A. Miller, M.D.

Professor and Chairman of the Division of Biomedical Informatics Associate Director of the Informatics Center, and Professor of Medicine Vanderbilt University Medical Center. Title: Use of Integrated Decision Support with Order Entry to Effect Institutional Clinical Behavior

Wednesday, August 21, 2002
11:30 - 12:30 pm (lunch will be available) Regenstrief Institute, RG5th Classroom

Randolph Miller, the editor of AMIA and one of the leaders in Medical Informatics, having developed the INTERNIST-1 the first automatic differential diagnosis system, will present his experience with the clinician order entry system at Vanderbilt ("WizOrder") which provides alerts and warnings for: drug allergies, drug dosing, and drug interactions; implements approximately 1000 complex/cascading clinician-designed order sets; implements complex guidelines and protocols with integrated decision support and is now used on almost all inpatient units (600 of 650 beds). Through an NIH-funded grant, a randomized controlled trial has demonstrated that bundling decision support into

New Faces in Biochemistry



Jong Won Kim is a Postdoc in the lab of Suk-Hee Lee



Yinong Zhang is a Research Technician in the INGEN Proteomics Core



Audrey Wehr is a new Grad Student currently on rotation in Tom Hurley's lab



Chris Rush is a Research Technician in the lab of Howard Edenberg

order entry can significantly increase physician utilization of decision support tools.

Because food will be provided, a good count of the number of expected attendees is needed. Please RSVP to Anne Marie Johnson, preferably by e-mail (amjohnson@regen-strief.org), 630-8134.

