

# Biochemistry and Molecular Biology



# NOTES



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## Congratulations!

**Howard Edenberg** has received an NIH MERIT Award for his grant titled, "Structure and Expression of Mammal ALC Dehydrogenase Genes". This major recognition of his work makes Dr. Edenberg eligible for a 5-year extension of this project.



Congratulations to **Matt and Peggy Grow** on the birth of their daughter, **Kinsey Marie**. Little Kinsey was born on Saturday, April 5. She weighed in at 7 lbs. 1 oz. and was 18" long. Everyone is catching up on their sleep.



**Alecia Sizemore**, a 2nd year IU School of Medicine student in **Maureen Harrington's lab**, received a Howard Hughes Research Training Fellowship. This highly competitive award includes a stipend and research money and will enable Alecia to put her medical training on hold for one year while she pursues a research project in Maureen's laboratory. Alecia is interested in the role that the cytokine tumor necrosis factor, plays in the growth and spread of cancer. The goal of her research project is to determine how tumor necrosis factor induces the growth of blood vessels in tumors.

## Important Dates

- 5/26 **Memorial Day**
- 6/1 **NIH New Research**
- 7/1 NIH Competing Continuation and Revised Grants
- 7/4 Independence Day
- 7/7 American Heart Applications due in Dean's Office
- 9/1 Labor Day
- 10/1 NIH New Research
- 11/1 NIH Competing Continuation and Revised Grants

## New Grant Awards

**Frank Witzmann** received a new research award from the US Air Force titled, "Biomolecular Profiling of Jet Fuel Toxicity Using Proteomics".

**David Ingram** was awarded a new March of Dimes Birth Defects Foundation research grant for his project, "Ras-PI3K Pathway in Nf1 Hematopoiesis and Leukemogenesis".

**David Potter** received a new Clarian Health research award for his project, "Chemotherapy Resistance Mechanisms in Breast Cancer: A Genomic Analysis".

## HOUSING INFORMATION

If you lived here, you'd be home by now! Come and see models of the new campus apartments opening this Fall 2003 and learn more about this exciting addition to the campus. One, two and four bedroom models will be on display Monday through Friday, 8 a.m. - 5 pm. in Ball Residence Hall, room 107. Need more information? Call 274-7200.

# May Seminars

## Biochemistry Seminars MS 326

**5/12 4 p.m. Gail E. Sonenshein, Ph.D.**, Professor, Department of Biochemistry, and Director, Program in Research on Women's Health Boston University School of Medicine: **"Roles and Regulation of Aberrant NF- $\kappa$ B Expression in Cancer"**

**5/19 12 noon P. Anthony Weil, Ph.D.**, Professor, Molecular Physiology and Biophysics, Vanderbilt University Medical Center, Nashville, TN: **"Dissecting the Complex Process of Gene Regulation: Molecular Genetic Analyses of the Eukaryotic mRNA Gene Transcription Machinery"**. Dr. Weil is a candidate for the chair of Biochemistry and Molecular Biology, IU School of Medicine.

**5/15 1 p.m. Ariel Fernandez, Ph.D.**, Visiting Senior Scholar, Institute of Biophysical Dynamics, Department of Computer Science, University of Chicago, Chicago, IL: **"Defects in Protein Structure and the Diagnosis of Molecular Disease"**.

**5/19 4 p.m. John A. Corbett, Ph.D.**, Associate Professor, Biochemistry & Molecular Biology, Saint Louis University School of Medicine, St. Louis, MO.: **"B-cell Recovery from Cytokine-Mediated Damage"**.

**5/19 2 p.m. Diego Franco, Ph.D.**, Associate Professor of Cell Biology, Department of Experimental Biology, University of Jaén: **"Transcriptional Heterogeneity of the Developing Myocardium"**.

**5/27 12 noon David G. Skalnik, Ph.D.**, Professor of Pediatrics and of Biochemistry and Molecular Biology, IU School of Medicine. Topic: to be announced. Dr. Skalnik is a candidate for the chair of Biochemistry and Molecular Biology, IU School of Medicine.

**5/29 12 noon Arthur L. Haas, Ph.D.**, Professor, Dept. of Biochemistry, Medical College of Wisconsin. Topic: to be announced. Dr. Haas is a candidate for the chair of Biochemistry and Molecular Biology, IU School of Medicine.

*IUSM Combined Seminar Series  
Wednesdays, 4:00 pm, Cancer  
Research (R4) Auditorium 101*

**5/7 4 pm. Intracellular Calcium as Life or Death Signal. Jianjie Ma, Ph.D.**, Dept. of Physiology/Biophysics, UMDNJ, Robert Wood Johnson Medical School; Newark, NJ.

## Other Seminars of Interest

**5/7 4 p.m. Calpain Regulation of Cell Migration and Chemotaxis. Anna Huttenlocher, Ph.D.**, Depts. of Pediatrics and Pharmacology, University of Wisconsin; Madison, WI. **VanNuys Medical Science 326.**

**5/21 4 p.m. Glutathione Pathways and New Drugs that Target Them. Ken Tew, Ph.D.**, G. Willing Pepper Chair in Cancer Research, Fox Chase Cancer Center; Philadelphia, PA. **Cancer Research Institute [R4] Auditorium 101.**

**5/22 4 p.m. CXCR4/CCR5-Mediated Signaling in Chemotaxis and Apoptosis. Ramesh K. Ganju, Ph.D.**, Division of Experimental Medicine, Beth Israel Deaconess Medical Center, and Harvard Institutes of Medicine; Boston, MA. **VanNuys Medical Science 326.**

**5/28 4 p.m. Adenosine... The Missing Link in Neonatal White Matter Disease. Dr. Scott Rivkees**, Director, Yale Child Health Research Center, Yale University; New Haven; CT. **Cancer Research Institute [R4] Auditorium 101.**



## *In Memoriam*

**Judy J. White, PhD, 37**, died April 17, 2003. She joined our faculty in November of 2001, serving as Associate Director of the Biotechnology Training Program until the day of her death.

Judy received her Doctorate from the Medical University of South Carolina in 1996. She joined IU in 1998 as a postdoctoral fellow in Mark Wagner's lab in the Division of Nephrology at the VA.

It is impossible to overstate her contributions and importance to the Biotechnology Training Program and the department. Judy was devoted to her work, a gifted teacher, and a wonderful colleague. She is greatly missed.

## Recent Publications

Kaithamana S, Fan JL, Memar O, Li K, Uitto J, **Seetharamaiah GS**, Prabhakar BS. (2003) Relevance of differential immunogenicity of human and mouse recombinant desmoglein-3 for the induction of Acantholytic autoantibodies in mice. *Clin Exp Immunol* 132:16-23

Cappelli E, D'Osualdo A, Bogliolo M, Xu Y, **Kelley MR**, Frosina G. (2003) Repair of 8 oxoguanine in mammalian cells expressing the Drosophila S3 ribosomal/repair protein. *Teratog Carcinog Mutagen.*:23 Suppl 1:113-21.

Fishel ML, Seo YR, Smith ML, **Kelley MR**. (2003) Imbalancing the DNA base excision repair pathway in the mitochondria; targeting and overexpressing N-methylpurine DNA glycosylase in mitochondria leads to enhanced cell killing. *Cancer Res.* 63(3):608-15.

**Kelley MR**, Kow YW, Wilson DM 3rd. (2003) Disparity between DNA base excision repair in yeast and mammals: translational implications. *Cancer Res.* (63): 549-54.

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## American Heart Association Application Deadlines

Just a reminder about the upcoming National and Midwest American Heart Association application deadlines from Sheila Reynolds.

All deadlines are mandatory for electronic submission.

### **Midwest deadlines are due July 15 ; National are due July 14 .**

Even though these are electronically submitted, we still need to route a **"hard copy"** of the proposal through the Dean's Office for approval, which means they **need to be received at the Dean's Office by July 7th** for adequate processing. They will then forward on the proposal to Research and Sponsored Programs.

For the electronic transmissions, R&SP has requested that proposals are received on diskette to avoid locking up the e-mail system due to the size of the files. Reminder - **R&SP will electronically submit the proposals to AHA after review by their office.**

AHA has requested that proposals be submitted several days before the deadline date to avoid an overload to their system which resulted in technical difficulties in receiving proposals during the last submission. If you have questions, please call Sheila at 274-1718 or Sandy at 274-1717.