



# Biochemistry and Molecular Biology

# NOTES



Volume 17, No, 6

September 2004

## Retreat Reminder:

### Friday, Sept. 10

Don't miss the whopping 50+ posters scheduled to be presented at this year's Biochem Research Day on Friday, Sept. 10 from 1-4 p.m. in the Med Science atrium. An awards ceremony follows at 4:30 in MS 326 to include presentations for the Peggy Gibson Award for best paper by a student, the Jack Davis Award for best student seminar, the student-selected Outstanding Mentor Award, and four awards for posters presented by students or post-docs at this year's retreat. Also, Tom Hurley will update us on departmental activities and plans for the coming year and Mark Goebel will introduce this year's new students. Come and meet the new students, see lots of great posters, and see who wins the awards!

## Congratulations!

### New Grant Award

Mark Deeg received a new grant award from Roudebush VA Medical Center for his research project, "Effect of Gemfibrozil on Serum GPI Phospholipase D and Triglycerides".

Congratulations to **Sirisha Asuri** whose abstract - S. Asuri, N. Parnavitana and L. Quilliam, "Role of Rap1 in the regulation of E-cadherin based adherens junctions" was chosen for oral presentation at the Walther Cancer Institute retreat at the University of Notre Dame, August 5-7th, where she won third place. She received a plaque, Dr. Walther's autobiography and a check for \$50.

### **Important Dates**

- 9/10 Biochem Retreat
- 10/1 NIH New research
- 10/15 American Cancer Society mentored training and career development
- 11/1 NIH Competing Cont.

### **Baby congrats!**



Congratulations to **Changhong Tang**, Research Associate in Howard Edenberg's lab, on the birth of her son, Alan Orion Mingus. He was born on August 5, weighing in at 9 lbs. 10 oz. and 22 inches long. Alan and his mom are in good health and recovering. Best wishes to you!



Congratulations to **Tony and Nuncia Limbil** on the birth of their daughter. Baby Olivia Nyota was born on Wednesday, August 25, 2004 at 8:20 a.m. She weighed 8 lbs. 11 oz, is 21 1/2" long and has lots of hair.

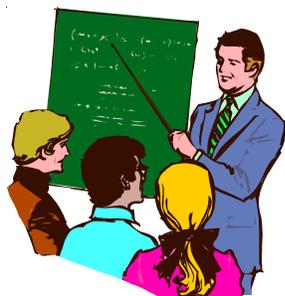
# September Seminars

## *Biochemistry Seminars Mondays 4 pm, MS 326*

9/13 **Dr. Sean Mooney**, Assistant Professor, Medical and Molecular Genetics, IUSM, "Automatic Functional Characterization of Protein Structure".

9/20 **Dr. Marc Yudkoff**, WT Grant Professor of Pediatrics, University of Pennsylvania School of Medicine, Chief, Division of Child Development, Rehabilitation and Metabolic Disease, Children's Hospital of Philadelphia, Philadelphia, PA. : "Developments in Branched Chain Amino Acid Metabolism in Brain". **MS B26**,

9/27 **Dr. Mario Amzel**, Professor of Interim Director, Department of Biophysics and Biophysical Chemistry Johns Hopkins Medical School, Baltimore, MD.: "Catching oxygen in the act: Structure and mechanism of the bioactive peptide amidating enzyme".



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

9/8 **Mark Goebel, PhD**, IU Professor of Biochemistry and Molecular Biology, "Toward s Global Characterization of SCF Ubiquitin Ligase Function".

## *Student Seminars Wednesdays 12 pm, MS B16*

- 9/1 **Josh Heyen**  
9/8 **Marcus Breese**  
9/15 **Erin Breese**  
9/22 **Luke Dannenberg**  
9/29 **Sirisha Asuri**

## *Other Seminars of Interest*

9/24 **Chen Su**, Principal Research Scientist, Bioinformatics/Integrative Biology, Eli Lilly and Company "Computations in Biomarker Discovery and Transcription Regulatory Analysis".  
**11:00 A.M, Fesler Hall, Hurty Hall C, Room 316.**  
Presented by the Center for Computational Biology and Bioinformatics.

## **Abstracts sought for Dean's Grand Rounds and poster session**

Wednesday, September 29 is the date for the Dean's Grand Rounds, designed to highlight current research efforts and to foster interdisciplinary research within IUSOM.

The Grand Rounds begin in Myers Auditorium at Wishard Hospital from 7:30 a.m. to 9 a.m. with presentations from Mervin Yoder and David Wilkes.

Poster presentations by faculty will follow from 10:30 a.m. until 3 p.m. in the VanNuys Medical Science Building atrium.

Faculty are encouraged to submit abstracts and to attend this special event. A free lunch will be provided to each presenter.

**All abstracts should be submitted in Microsoft Word format by e-mail by Wednesday, Sept. 15** to IUSMDSS@iupui.edu, or hard copy can be sent to Robert Havlik, MD, Plastic Surgery Section, Riley Hospital, room 2511.

## Recent Publications

**Sanghani SP**, Quinney SK, Fredenburg TB, **Davis WI**, Murry DJ, **Bosron WF**. Hydrolysis of irinotecan and its oxidative metabolites, 7-ethyl-10-[4-N-(5-amino-pentanoic acid)-1-piperidino] carbonyloxycamptothecin and 7-ethyl-10-[4-(1-piperidino)-1-amino]-carbonyloxy-camptothecin, by human carboxylesterases CES1A1, CES2, and a newly expressed carboxylesterase isoenzyme, CES3. *Drug Metab Dispos.* 2004 May; 32(5): 505-11.

Wang, D., Luo, W. and **Kelley, M.R.** 2004. Apurinic/aprimidinic endonuclease (APE1) expression and prognostic significance in osteosarcoma: Enhanced sensitivity of osteosarcoma to DNA damaging agents using siRNA APE1 expression inhibition. *Mol Cancer Ther.* Jun;3(6):679-686.

Guo, Y., Einhorn, L., **Kelley, M.**, Hirota, K., Yodoi, J., Reinbold, R., Scholer, H., Ramsey, H. and Hromas, R. (2004) Redox regulation of the embryonic stem cell transcription factor Oct-4 by thioredoxin. *Stem Cells* 22:259-264.

Rinne, M., Caldwell, D. and **Kelley, M.R.** 2004. Transient Adenoviral Methylpurine DNA Glycosylase Overexpression Imparts Chemotherapeutic Sensitivity to Human Breast Cancer Cells. *Molecular Cancer Therapeutics*, 3(8):955-967.

**Sun Z**, Murry DJ, **Sanghani SP**, **Davis WI**, Kedishvili NY, **Zou Q**, **Hurley TD**, **Bosron WF**. Methylphenidate Is Stereoselectively Hydrolyzed by Human Carboxylesterase CES1A1 *J Pharmacol Exp Ther.* 2004 Aug;310(2): 469-76. Epub 2004 Apr 13.

## Microarray Technology and Development Workshop: Friday, Nov. 19

Please put November 19, 2004 on your calendar for an all-day workshop on microarray technology and development.

Steve Fodor, inventor of the high density nucleotide array ("DNA Chip") and CEO of Affymetrix, will be the featured speaker. The workshop will be sponsored jointly by the Center for Medical Genomics and the Center for Computational Biology and Bioinformatics.

For those planning to attend, we are in the process of setting up a site to RSVP so we can have an approximate head count for planning purposes.

To learn more about the Great Lakes Bioinformatics Consortium, visit <http://greatlakesbioinformatics.org>. To be put on their mailing list to obtain future announcements, contact Christyne Bliton [[acbliton@umich.edu](mailto:acbliton@umich.edu)].

We are planning to hold bioinformatics seminars every other Friday at 11 AM, starting in the Fall. Seminar announcements will be sent out.

Nearly 100 Biochem folks with their families munched on grilled hamburgers and hot dogs while pitch-in dishes rounded out the menu at the **2nd annual Biochem Picnic** at Eagle Creek Group Picnic Area on Friday, 8/27. While some hearty groups played volleyball or cricket, the warm 87 degree weather found lots of folks seeking shade under the large shelter. Students vied with faculty in a softball game with faculty leading by 2 until the last inning when the students narrowly won by 1 run. The first aid kit went unused as no sports injuries or bruised pride were reported.

Many thanks to all of those who helped make this an excellent outing, including Matt Grow's lab for the superb supply delivery, prepping and manning the grills, to the students who brought in supplies, manned grills and/or helped clean up, and to the office staff for their planning and help. See you all next year!

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# New Faces in Biochemistry

New 2004 Biochem Graduate Students



Ke (Alice) Ban



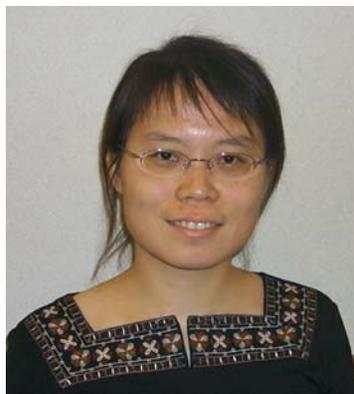
Donghui Zhou



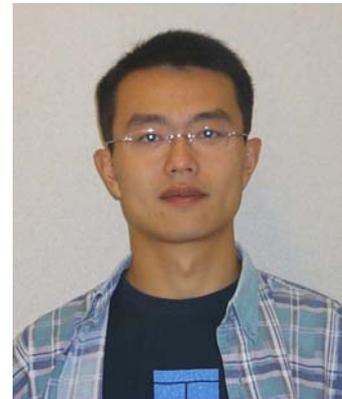
Elizabeth Lasater



Marissa Schiel



Sixin Jiang



Wei Luo



Subha Krishnan



Brandy Budzynski



Dawn Russell- New Work-  
Study Student in Dr. DePaoli-  
Roach's Lab.

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