

# Biochemistry and Molecular Biology NOTES

Volume 20, No. 7

April 2007

## New Location for Bioinformatics

If you're looking for the Center for Computational Biology and Bioinformatics, they recently moved from the Senate Avenue location to new quarters in the just-opened Health Information and Translational Sciences Building (HITS; campus building code is **HS**) Their new address is **410 W. 10<sup>th</sup> Street, Suite 5000, 46202**. Their office phone number stays the same: 278-9650.

## Campus Holidays

**Fri. 4/06/07** – Good Friday

**Mon. 5/28/07** – Memorial Day

**Wed. 7/4/07** – Independence Day



## IUSM Class of 2010 Names Bob Harris "Best Professor"

Bob Harris was again selected as an Outstanding Basic Science Professor at IUSM and has been invited to attend the Senior Banquet and Awards Ceremony where he will be formally recognized for being an extraordinary instructor. Congratulations Bob!



## Indy Regional Bioinformatics Conference May 31<sup>st</sup> – June 2nd

This year's conference, held at the IUPUI Conference Center, will feature invited talks, keynote lectures, and selected talks from submitted abstracts. The conference is open to everyone. A subset of submitted abstracts will be selected for short talks, while all reviewed abstracts will be selected for posters.

### Important Dates:

Early registration deadline: April 15<sup>th</sup>

Abstract submission deadline: May 1<sup>st</sup>

Notification of abstract status: May 15th

### Abstracts are requested in any area of biocomputational research including:

Phylogenomics and Sequence Analysis

Computational Biology

Evolutionary Biology

Statistical Genetics

Structural Bioinformatics

Drug Discovery

Integration of Medical Informatics and Bioinformatics

High Performance Computing in Biology

Analysis of High Throughput Technologies

Biocomplexity

Systems Biology

Metagenomics

Visualization

Please see details at the conference website: <http://compbio.iupui.edu/indy>

## Congratulations

Congrats to grad students **Heather Benson** and **Dawn Fitzpatrick** who were selected to be **Edwin T. Harper Scholars** in a new fellowship program funded by NIH NIGMS R25 grant, "Indiana University Initiative for Maximizing Graduate Student Diversity", recently awarded to Dr. Hal Broxmeyer of Micro.

This program is designed to provide two-year graduate school funding for minority students in the ten basic science departments in the School of Medicine and was an outgrowth of the Bridges to the Doctorate Grant.

The program was named after Edwin T Harper, an emeritus faculty member in Biochemistry. Dr. Harper joined the IU SOM Biochemistry Department in 1970. In addition to his biochemistry research he has several publications dealing with the subject of minority education in science and devoted much of his career to increasing minority participation in scientific research and graduate education. He retired from IU in 2000.



Cheers to grad student **Subha Krishnan** of Dr. Kapur's lab for receiving a **Keystone Symposia Scholarship** to help defray travel and lodging expenses associated with attendance to that meeting on PI 3-Kinase Signaling Pathways in Feb. 2007. She was

also invited to give a brief talk on the "Differential role of p85alpha and p85beta regulatory subunits of IA PI-3Kinase in mast cell growth and differentiation".

**Lili Zhang**, Visiting Research Associate in Tom Hurley's lab, and her husband, **Sijiu Liu**, welcomed a baby girl on Tuesday,

February 13. Angelina Lili Liu weighed 7lbs 8oz. Everyone is doing well.

Congratulations to **Nicole Beavers** and **Alana Biggers** who received the **2006 Harper MSMS Award**. The department established the MCAT Incentive Prize following the retirement of Dr. Edwin T. Harper. It honors Dr. Harper for the many contributions he made to the Master of Science Medical Science (MSMS) program. The MCAT Incentive Prize recognizes achievement for every first year MSMS student whose score increases by at least 7 points following the summer MCAT Preparation Program.

Congratulations to **Sheila Reynolds** on a job well done! Sheila, who has supported the department for 11 years, was recently promoted to Grants Specialist.

## Fellowships

**EunJin Oh**, post-doc in Debbie Thurmond's lab, was awarded an AHA post-doc fellowship on January 1, 2007 for her project, "Munc18c is a new regulator of WNK1, the kinase mutated in

inherited human hypertension syndrome". Congratulations!

## Grants/Awards

Kudos to **Anna Depaoli-Roach** who received an award for her project, "Role of Musclin a Novel Muscle Secreted Factor, in Insulin Resistance" starting 3/1/07.

**Clark Wells** received an ACS Institutional Grant titled, "Role of Cellular Polarity Protein Amot in Migration and Invasion of Epithelial Tumors" which begins 1/1/07.

**Jeremy Sanford** received an ACS Institutional Grant titled, "Post-transcriptional control of gene expression by KOC in pancreatic cancer" starting 1/1/07.

Congratulations to **Millie Georgiadis**, **Suk-Hee Lee**, and **Zhong-Yin Zhang** on their receipt of funding for the EDT Pilot Projects.

## Condolences

Our heartfelt condolences are extended to Dr. Xiaoling Xuei of Dr. Edenberg's lab on the loss of her mother, to Dr. Mu Wang on the loss of his grandmother, and to Dr. Qi-Zhuang Ye on the loss of his mother.

## In Memoriam

John Bonner, Ph.D., passed away November 10, 2006 in Vancouver WA. He received his Ph.D. from the University of Rochester in 1948 and in 1961 was recruited by Dr. Don Bowman to join the Biochemistry Department. Dr. Bonner was granted Professor Emeritus status in 1983.

## Upcoming Seminars



### Faculty Seminars to be held in MS326 at 4:00 p.m.

- 4/02/07 **Jim Manley**, Ph.D., JC Levi Professor, Dept. of Biological Sciences, Columbia University. "Regulation and integration of mRNA processing pathways".
- 4/09/07 **Claire Walczak**, Ph.D., Associate Professor, Dept. of Biology, IU Bloomington. "Mechanisms of Mitotic Spindle Assembly: A 'Tail' of Multiple Motors".
- 4/16/07 **Anna Depaoli-Roach**, Ph.D., Professor, Dept of Biochemistry and Molecular Biology, IUSM-Indianapolis. "Role of Glycogen in Insulin Resistance and Obesity in Mice and Humans".
- 4/23/07 **Victoria Robinson**, Ph.D., Assistant Professor, Dept. of Molecular and Cellular Biology, University of Connecticut. "Structural and Biochemical Description of the Nucleotide Mediated Association of *Salmonella typhimurium* BipA and the ribosome"
- 4/30/07 **Benjamin G. Neel**, MD, Ph.D., Professor, Beth Israel Deaconess Medical Center, Harvard University. "The Shp2/Ras/Erk Pathway in Human Disease".
- 5/07/07 **R. Mark Payne**, MD, Ph.D., Professor, Dept. of Pediatrics IUSM-Indianapolis. "Using Cell Penetrant Peptides to Deliver Proteins to Mitochondria".
- 5/14/07 **Michael S. Kilberg**, Ph.D. Professor, Biochemistry and Molecular Biology, University of Florida. "Amino Acids Regulate Mammalian Gene Expression at Transcriptional and Post-Transcriptional Steps".
- 5/21/07 **Robert V. Stahelin**, Ph.D., Assistant Professor, Dept. of Biochemistry and Molecular Biology, IUSM-South Bend. "Spatiotemporal Dynamics of Protein Kinase C Membrane-Targeting and Activation".
- 6/4/07 **Betrand Garcia-Moreno**, Professor, Dept. of Biophysics, John Hopkins University. "Internal ionizable groups in proteins: Challenges to conventional views on protein electrostatics".

### Center for Computational Biology and Bioinformatics Seminars to be held in HITS 1110 at 3:30 p.m.

- 4/6/07 **Ruben Abagyan**, Professor, Dept. of Molecular Biology, The Scripps Research Institute. "Targeting protein – protein interactions with small molecules".
- 4/13/07 **Samy Meroueh**, Ph.D., Assistant Professor, Dept. of Biochemistry and Molecular Biology, Center for Computational Biology and Bioinformatics, IUSM-Indianapolis. "Molecular Motions in Ligand Binding and Protein Allostery: Implications for Drug Design".
- 4/20/07 **Fred Regnier**, Ph.D., Chemistry, Purdue University. "Proteomics Tools for the Study of Oxidative Stress Diseases".
- 4/27/07 **Bruce Gottlieb**, Ph.D., Professor and Staff Investigator, Cell Genetics and Human Genetics, Lady Davis Institute for Medical Research, McGill University. "The use of molecular modeling to understand biological processes that are responsible for disease states".

### Student Seminars to be held in MS 326 at 12:00 p.m.

- 4/4/07 **Sixin Jiang**. "Adrenomedullin Inhibits Adipogenesis Under Transcriptional Control of Insulin"
- 4/11/07 **Li Fan**. Topic to be announced.
- 4/18/07 **Lakshimi (Reddy) Palam** and **Souvik Dey**. Topics to be announced.
- 4/25/07 **Donghui Zhou**. Topic to be announced.

## New People in Biochemistry



**Zhang Han**  
Post-doc  
Wells Lab



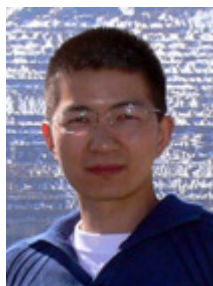
**Jing Li**  
Visiting Research Associate  
Dunker Lab



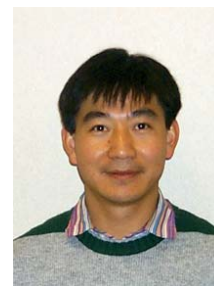
**Kimberly Newhard**  
Research Technician  
Takagi Lab



**Hongzhen He**  
Post-doc  
Ye Lab



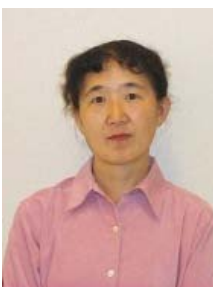
**Liwei Li**  
Post-doc  
Meroueh Lab



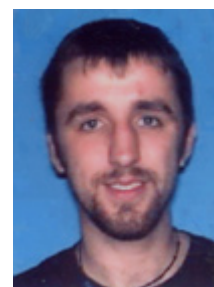
**Bei Nie**  
Post-doc  
Mu Wang Lab



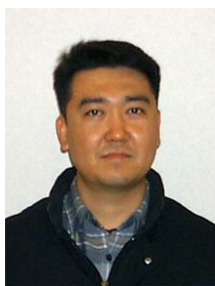
**Tsuyoshi Imasaki**  
Post-doc  
Takagi Lab



**Weirong Li**  
Lab Assistant  
Wek Lab



**Jonathan Nowacki**  
Lab Assistant  
Meroueh Lab



**Won Gu Jang**  
Visiting Research Associate  
Harris Lab



**Rachel Mullen**  
Ph.D. Student  
Kapur Lab



**Brian O'Callaghan**  
Lab Assistant  
Meroueh Lab

## New People in Biochemistry



**Jacob Pierson**

Lab Assistant  
Dunker Lab



**Don Ratcliffe**

Visiting Asst. Research Professor  
Bosron Lab



**Kortney Yarbrough**

Clerical Support  
Center for Bioinformatics



**Bill Ranahan**

Research Technician  
Sanford Lab



**Katie Robinson**

Financial Affairs Asst.  
Biochemistry Office



**Qi Zhang**

Post-doc  
Ye Lab



**Randy Wireman**

Lab Assistant  
Hudmon Lab