



# Biochemistry and Molecular Biology

# NOTES



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## Congratulations!

Congratulations to **Jingyuan Liu** and her husband **Jian-Ting Zhang** on the birth of their son, **Evan Hongyang Zhang**. Evan was born on Sunday October 22, 2000 at 3:15 am. He's 7 pounds, 10 ounces and 22 inches long.

Congratulations to **Yonghao Hou** and **Kun Ma** on the birth of their son, **Eric**. Little Eric was born on Wednesday, October 25th at 11:19 p.m. All are doing fine!

**Heather Breen** was married to **Jason Larson** on October 7. They honeymooned in Pigeon Forge and Gatlinburg, TN.

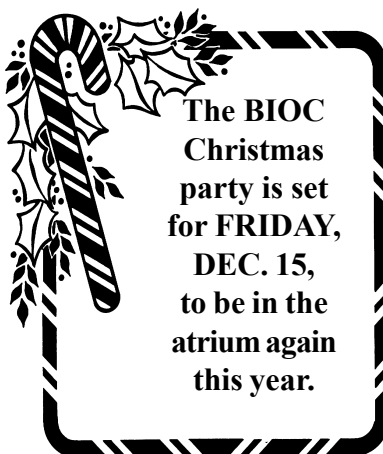
## Diabetes Fellowships Awarded

The Diabetes Graduate Training Program has awarded fellowships to **Jason Gustin** and **Jennifer Jaynes**, both of Microbiology and Immunology, and to **Boli Huang** and **Jing Zhou**, both of Biochemistry and Molecular Biology.

**H.N. Jayaram**, **Joel Yaowitz**, and **Kathy Song** are now located in MS 443. Their phone number remains the same.

## Flu Shots Available

Flu shots are now available (while supplies last) at the Student Health Center in Coleman Hall. In order to get the shot, you must have your faculty/staff/student ID. Shots are free for faculty and staff. There is a \$10.00 charge for students, family members, or friends of IUPUI students and staff. The center is open from 7:30 am to 5 pm. (Thursdays 9 to 5). No appointment is necessary.



## Welcome

**Dr. David Potter** has a secondary appointment with Biochemistry and Molecular Biology. His primary appointment is with Hematology/Oncology.

## Important dates

- 11/1 NIH competing renewals
- 11/3 Bowman Dinner
- 11/23 THANKSGIVING
- 11/24 FRIDAY AFTER THANKSGIVING
- 12/11 Finals begin
- 12/15 BIOCHEM CHRISTMAS PARTY
- 12/25 MERRY CHRISTMAS
- 1/1/01 HAPPY NEW YEAR
- 1/8 Classes begin
- 1/15 MARTIN LUTHER KING, JR. DAY
- 2/1 NIH new research
- 3/12 Spring break begins
- 4/13 CAMPUS HOLIDAY
- 4/28 MEMORIAL DAY
- 4/30 Finals begin
- 5/13 Commencement
- 11/22 THANKSGIVING
- 12/25 CHRISTMAS

## Dean's Office Deadlines - November

- 11/1 American Heart Association - Indiana Affiliate
- 11/17 NIH Committed Continuations
- 11/30 Riley Memorial Association

# November Seminars

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

**11/6 Dr. Joel Ybe**, Associate Professor of Biology, Department of Biology, Indiana University, Bloomington, IN. "From Pinwheels to Baskets: Clathrin Self-Assembly"

**11/13 Dr. Nancy Ratner**, Professor, Cell Biology, University of Cincinnati, Cincinnati, OH. "Cell and Molecular Analysis of Peripheral Nerve Tumor Formation of Neurofibromatosis Type 1"

**11/20 Dr. Kenneth Dunn**, Assistant Professor, Department of Medicine, Indiana University School of Medicine, Indianapolis, IN. "The role of endocytosis in maintaining the polarity of MDCK epithelial cells"

**11/27 Dr. Norman Curthoys**, Professor and Chair, Biochemistry and Molecular Biology, Colorado State University, Fort Collins, CO. "Mechanism of renal glutaminase mRNA stabilization during metabolic acidosis"

**12/4 Dr. Lawrence Hunter**, Director, Center for Computational Pharmacology, University of Colorado School of Medicine Denver, CO. "Data Mining for High Throughput Biomedicine"

## *Biochemistry Student Seminars* Wednesdays, 12 Noon, MSA506

**11/1 Samantha Ciccone**  
**11/8 Biomedical Ethics**  
**11/15 Lin Li**  
**11/22 No Classes**  
**11/29 Heather Breen**

## *Other Seminars of Interest*

**11/1 4:00 p.m. Molecular Mechanisms of Antiestrogen Resistance in Breast Cancer. Robert Clarke, Ph.D.**, Georgetown University Medical Center; Washington, DC. R4 Auditorium, Room 101.

**11/2 4:00 p.m. Role of HLA DQ and DR Genes in Human Autoimmune Diseases: Studies with Transgenic/Knockout Mice. Chella S. David, Ph.D.**, Alice Sheets Marriott Professor, Dept. of Immunology, Mayo Clinic and Medical School; Rochester, MN. Medical Science 326.

**11/8 12:00 noon Intercellular Junctions: Component Systems for Vascular Endothelial Cell Adhesion and Growth Control. Dr. Andrew Kowalczyk**, Dept. of Cell Biology, Emory University; Atlanta, GA. Medical Science 326.

**11/8 4:00 p.m. Multifunctional Proteins for the Repair of Damaged DNA. Andy Deutsch, Ph.D.**, Pennington Biomedical Research Center. R4 Auditorium, Room 101.

**11/15 12:00 noon SIMPLification of the TNF Signaling Pathways. Maureen A. Harrington, Ph.D.**, Dept. of Biochemistry and Molecular Biology, IUSM. Medical Science 326.

**11/22 4:00 p.m. Regulation of Muscle Contraction Calcium Signaling, from Molecules to Mouse. Sydney Fleischer, Ph.D.**, Dept. of Molecular Biology/Pharmacology, Vanderbilt University School of Medicine; Nashville, TN. R4 Auditorium, Room 101.

**11/29 12:00 noon Molecular Studies on Intercellular Junctions. Daniel A. Goodenough, Ph.D.**, Director, Oliver Wendell Holmes Society, Dept. of Cell Biology, Harvard University Medical School; Boston, MA. Medical Science 326.

**11/29 4:00 p.m. Regulation of Metastasis in Human Cancer. Danny Welch, Ph.D.**, Dept. of Pathology, Penn State University College of Medicine; Hershey, PA. R4 Auditorium, Room 101.

## November Birthdays

**11/9 Melissa Bowker-Kinley**  
**11/10 Bob Harris**  
**11/11 David Hains**  
**11/12 Don Bowman**  
**11/13 Amy Munchoff**  
**11/18 Frank Ma**  
**11/22 Bolan Linghu**



## Recent Publications

**Angela R. Evans, Melissa Limp-Foster and Mark R. Kelley** (2000) Going APE over ref-1. *Mutation Research* **461**, 83-108.

**You, J-S, Wang, M., and Lee, S-H.** (2000) Functional Characterization of Zinc-Finger Motif in Redox Regulation of RPA-ssDNA Interaction. *Biochemistry* **39**, 12953-12958.  
(The above article was selected as a hot paper by Science magazine and was fully described in Editor's Choice section [Science, Vol. 290 (5491), pp409-411, 2000].)

Dechelle B. Smothers, Lukasz Kozubowski, Cheryl Dixon, **Mark G. Goebel**, and **Neal Mathias** (2000) The abundance of Met30p limits SCF<sup>Met30P</sup> complex activity and is regulated by methionine availability. *Mol. and Cell. Biol.* **20**, 7845-7852.

Xin Zhi, Edward M. Chan, and **Howard J. Edenberg** (2000) Tissue-specific regulatory elements in the human alcohol dehydrogenase 6 gene. *DNA and Cell Biol.* **19**, 487-497.

**X. Lu**, X.-Y. Yang, B.L. Howard, and **J. P. Walsh** (2000) Fatty acids modulate protein kinase C activation in porcine vascular smooth muscle cells independently of their effect on de novo diacylglycerol synthesis. *Diabetologia* **43**, 1136-1144.

**Robert Martin, Chancellor's Administrative Designee, Assistant vice-Chancellor for Administration and Finance, reported to the Staff Council on campus construction:**

**Current and approved projects:** Child Care Center is open and occupied although not yet finished. Formal dedication ceremony was October 2nd.

Law School scheduled for move-in by April or the first of May 2001. Herron Art School: internal demolition of the existing law school will start immediately, followed by exterior new construction.

Communications Technology Complex (CTC): at Michigan and West Streets; construction starts in spring, 2001; new "front door" to campus.

Classroom Academic Building (CAB) (in addition to CTC building): expect state approval around July 1, 2001.

Riley Outpatient Center is now open to the public.

Cancer Research II - a companion building to the Cancer Research Building; construction will start before the calendar year is out.

Michigan/Blackford parking garage: northwest corner; construction starts in 2000; completion in fall, 2001; 1,200 parking spots.

**Future construction projects:**

Housing project on west side of campus: start work by June 2001. Campus Center (actual tenant mix undecided - considering student center, bookstore, restaurants): southwest corner of University Blvd. and Michigan Sts; in design phase; construction anticipated in late 2001; occupancy in 2002.

VA Senior Citizens Center: extension to north side in 1 to 1 ½ years.

White River walkway, east: completed; crews are removing cement from the west side of the river. Will be green grass and trees to 10th St. LaRue Carter Hospital: pending state approval for demolition; will become a parking lot shared by IUPUI and VA Hospital.

State Board of Health: awaiting state demolition and return to IUPUI in useable form; to be a parking lot.

Medical Science Building: final design stage - south side of existing building, second of three phases; the last being internal renovation of original building; three-phase project totaling \$90 million.

Administration building: backing on Blackford (facing West Street); west side "anchor" to the "Superblock" (CTC and Law School being two other "legs"). I.U. Foundation is building it to house the Foundation, campus and administration offices and other administrative units now renting space off campus. Now in discussion and preliminary design stage.

People mover: enters the campus at University Boulevard and Senate Avenue, goes south of University Boulevard to Walnut, west to terminate at Riley Hospital.

Martin listed the following **green space areas**:

Between Ball Gardens and the Rotary Building is a historic site; it will remain a green space.

Lockefield Garden Area (north of hotel): open courtyard area will remain "green".

"Superblock" will have 1,400 underground spaces and open green space between the buildings.

Mini-Military Park planned for North of Michigan at West Street.