

# Biochemistry and Molecular Biology Notes

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## Congratulations!

Chancellor Gerald L. Bepko announced that **Dr. Peter J. Roach** has been selected as Chancellor's Professor.

The selection committee focused on those faculty members with extensive and highly accomplished careers in the university. Dr. Roach was chosen because he is considered to be a "complete scholar," whose career of exemplary contributions to his discipline and the university have distinguished him from his colleagues. His selection recognizes his long-standing, continuous commitment to excellence in each of the major areas of university work: research, teaching, and service.

Dr. Roach was recognized with this distinctive honor during the IUPUI Chancellor's Honors Convocation, which was held on Friday, April 28, 2000 at the University Place Conference Center Auditorium.

**A reception to honor Dr. Peter Roach in recognition of his selection as Chancellor's Professor is set for Thursday, May 4 at 3 p.m. in the Med Science Building atrium outside the Biochem Office, MS 4053.**

## Congratulations!

**Mary Harden** received a "Recognition Award" at the IUPUI Commission on Women Recognition Luncheon held at University Place Conference Center on April 20th.

The IUPUI Office of Women and Commission on Women are dedicated to improving the campus as a place of work and a place of learning for women and men. The purpose of these recognition awards is to say thank you to just a few of the "unsung" heroes who strive to make IUPUI "a good place for everyone". 39 individuals were honored.

## The winners of the 2000 Sigma Xi Graduate Research Competition were announced:

- *First place:* Yijun Jin, Physiology
- *Second place:* Suzanne Ponik, Physiology
- *Third place:* Stacy Nelson, Microbiology
- **Kelly Schweitzer** of Biochemistry received *Honorable Mention*, along with 5 students from other departments.

## Congratulations!

**Paresh Sanghani** of Bill Bosron's lab received a postdoctoral fellowship through the Alcohol Research Center.

**Becky Chan** of Merv Yoder's lab was awarded a NRSA Postdoctoral Research Fellowship effective May 1, 2000.

**Chen Bi** and **Qing Xiao** are proud to announce the birth of their son, Jason. He was born on Wednesday, April 19, 2000. He weighed 7 pounds, 7 ounces and was 20 inches long.

So far we have received 5 American Heart Indiana Affiliate Awards. They include:

- **Yonghao Hou**, grad student in Rob Hromas' lab
- **Kun Ma**, grad student in Ron Wek's lab
- **L-J Baker**, post-doc in Dave Timm's lab
- **Krishna Vattem**, post-doc in Ron Wek's lab
- **Pengfei Wu**, Assistant Scientist, a Grant-in-Aid for "Regulation of Expression of Pyruvate Dehydrogenase Kinase 4 in Rat Heart by Free Fatty Acids"

## May Seminars

### Biochemistry Seminars

**5/1 Dr. Robert Bambara**, Professor and Chair, Biochemistry & Biophysics, University of Rochester Medical Center, Rochester, NY; "*The unique role of flap endonuclease in DNA replication*"

**5/8 Dr. Judy Meinkoth**, Assistant Professor of Pharmacology, University of Pennsylvania School of Medicine, Philadelphia, PA; "*Crosstalk between cAMP, Ras and Rap1 in hormonal control of cell proliferation and differentiation*"

**5/9 Dr. George Watts**, Lead Scientist, Microarray Project, Arizona Cancer Center, Tuscon, AZ; "*Identification of drug resistance genes by cDNA microarrays*" **2:00 pm**

**5/15 Dr. Kelly Tatchell**, Professor of Biochemistry, Louisiana State University Medical Center, Shreveport, LA; "*Regulation of type 1 phosphoprotein phosphatase in budding yeast*"

**5/17 Huaiyu Sun**, Graduate Student, Biochemistry & Molecular Biology, IUSM; "*The regulation of protein kinase Raf-1*", **MS B26**

**5/24 Dr. Michael Karin**, Professor of Pharmacology, University of California, San Diego, CA; "*A tale of two kinases: the regulation of NF-kB via the IKK complex*". **MS 326, 3:00 pm**

### Research Seminars

**5/11 Sonal Sanghani** *Role of Retinoids in Liver Fibrosis*

**5/25 Jin-Sam You** *Functional Characterization of Zinc-Finger Motif in Redox Regulation of RPA-ssDNA Interaction*

### Center for Diabetes research Seminars

**5/9 SPECIAL SEMINAR: *Nutrient Sensing and Regulation of Insulin Action.* Luciano Rosetti, M.D.,** Co-Director, Albert Einstein College of Medicine Diabetes Research and Training Center, Albert Einstein College of Medicine; Bronx, NY. **MS 326, 4:00 p.m.**

## **Other Seminars of Interest**

**5/4 *Regulation of B Cell Tolerance by CD5.* Timothy W. Behrens, M.D.,** Center for Immunology, University of Minnesota Medical School; Minneapolis, MN. **MS 326, 4:00 p.m.**

**5/9 *Regulation of IGF Binding Protein-1: Forkhead Transcription.* Endocrine Research Seminar. Terry G. Unterman, M.D.,** Depts. of Medicine and Physiology/ Biophysics, University of Illinois College of Medicine; Chicago, IL. **Ruth Lilly Medical Library 301-302, 11:45 a.m.**

**5/10 *Regulation of the p53 and PTEN Tumor Suppressor Genes by Hypoxia.* Amato Giaccia, Ph.D.,** Dept. of Radiation Oncology, Stanford University School of Medicine; Stanford, CA. **Cancer Research Institute Auditorium [R4] 101, 4:00 p.m.**

**5/11 *Papillomavirus-Like Particle Vaccines: Basic and Clinical Studies.* John T. Schiller, Ph.D.,** Section Chief, Laboratory of Cellular Oncology, National Cancer Institute, National Institutes of Health; Bethesda, MD. **MS 326, 4:00 p.m.**

**5/17 *Molecular Control of Microtubule Dynamics: A Comparison Between XKCM1 and the Anti-Cancer Drug Taxol.* Claire E. Walczak, Ph.D.,** Medical Sciences Program; Bloomington, IN. **Cancer Research Institute Auditorium [R4] 101, 4:00 p.m.**

**5/18 *Transcriptional Regulation of Th2 Cell Differentiation.* I. Cheng Ho, M.D., Ph.D.,** Dept. of Medicine, Harvard Medical School; Boston, MA. **MS 326, 4:00 p.m.**

**5/24 *A Transcription Factor Network Regulating Cell Proliferation and Differentiation.* Robert Eisenman, Ph.D.,** Division of Basic Sciences, Fred Hutchinson Cancer Research Center; Seattle, WA. **Cancer Research Institute Auditorium [R4] 101, 4:00 p.m.**

**5/25 *Superoxide Production by Phagocytes: Regulation of Flavocytochrome b558 Activation and Role of the Rho GTPase Rac2.* Mary C. Dinauer, M.D., Ph.D.,** Depts. of Pediatrics and Medical/Molecular Genetics, IUSM. **MS 326, 4:00 p.m.**

**5/31 *A Point Mutation in the Binding Subunit of the Retroviral Envelope Arrests Virus Entry at Hemifusion Intermediate.* Lorraine M. Albritton, Ph.D.,** Dept. of Microbiology/Immunology, University of Tennessee College of Medicine; Memphis, TN. **Cancer Research Institute Auditorium [R4] 101, 4:00 p.m.**

## **Bosron Lab to Move**

**Bill Bosron's lab** is moving from MS 402 to MS 4023 effective

5/19/00. Dr. Bosron's office phone (4-7211) will remain the same, as will the lab phone (4-3582). **Sonal Sanghani, Paresh Sanghani, and Wil Davis** will be joining Dr. Bosron in the new location. **Nati Dumauual** will remain in MS 420.

## Recent Publications

**Ying Jiang, Fumio Sakane, Hideo Kanoh, and James P. Walsh** (2000) Selectivity of the diacylglycerol kinase inhibitor 3-{2-(4-[bis-(4-fluorophenyl) methylene]-1-piperidinyl)ethyl}-2,3-dihydro-2-thioxo-4(1H)quina-zolinone (R59949) among diacylglycerol kinase subtypes. *Biochem. Pharmacol.* **59**, 763-772.

## Mark Your Calendars!

The 2000 Biochem Retreat is set for Saturday, September 9 at the Indianapolis Art Center in Broad Ripple. This is the same location as the 1999 retreat. Maps will be provided when we get closer to the event.

## New Faces in Biochemistry

We're pleased to welcome **Jack Arthur** as the new Computer Support Technician for the Biochemistry and Molecular Biology Department.

Jack's background includes extensive management experience as well as computer skills including Windows NT, software training, system installation and troubleshooting.

Jack will be working with numerous service groups and individuals to become acquainted with our equipment, software, hookups, FIS, Internet access, web pages, and desktop support. He can be reached at 274-9613.

## Help!

A very busy grant application time is approaching! Many agencies have June 1 and July 1 deadlines which means an extra amount of processing for the Biochem office, the Dean's Office and Research and Sponsored Programs. PI's can help us to help them by providing grant budgets and budget justifications as soon as possible. Please contact Sandy, Sheila, or Mary if you have any questions.