

Biochemistry and Molecular Biology



NOTES



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May 2004

Congratulations!

Trustee Teaching Award

Dave Skalnik was awarded a Trustee Teaching Award for this academic year. A stipend, a certificate and the placement of his name on a plaque as a recipient of the award will accompany this honor. Additionally, his name will be read as an exemplary teacher at the medical school graduation on May 9. Congratulations, Dr. Skalnik!

The John H. Edwards Fellowship

Mik Rinne, a former Ph.D. student of Mark Kelley's lab and a current IU medical student, was awarded the John H. Edwards Fellowship, one of the most prestigious academic awards given at IUSM. A stipend is included with this honor. We congratulate Mik, who received his doctorate while in Mark Kelley's lab and who continues to be active in research at the Wells Center for Pediatric Research.

Innovator of the Year Award to Dr. Roeske

Each year the Advanced Research & Technology Institute (ARTI) selects a recipient for the Central Indiana Corporate Partnership (CICP) award for "Innovator of the Year". This award was established last year by the CICP to honor IU investigators.

Dr. Roger Roeske was selected as this year's winner. The award includes a cash prize and a trophy, and his name will be permanently engraved on a plaque to be displayed in the Indiana University Emerging Technology Center (IUETC). IU President Adam Herbert will be on hand to give the award to Dr. Roeske at a presentation on Wednesday, May 26 at the IUETC building. Congratulations, Dr. Roeske!



INDIANA UNIVERSITY
SCHOOL OF MEDICINE

Letter from Dr. Craig Brater, Dean of the School of Medicine:

"Colleagues, as we continue our search for **Bob Harris**' successor, Bob has asked that we appoint an interim so that he can focus on teaching and research. Bob has been such a wonderful contributor to the School and to the Department that it is incumbent on us to honor his wishes. Therein, I have asked **Tom Hurley** to serve as Interim Chair beginning June 1st and he has graciously agreed. Please join me in thanking Bob for his past and future service to the department and simultaneously embracing Tom as he assumes these responsibilities."

May Seminars

Biochemistry Seminars Mondays 4 pm, MS 326

5/3 Dr. Andrew D. Mesecar, Assistant Professor, Center for Pharmaceutical Biotechnology & the Dept. of Medicinal Chemistry & Pharmacogenoy
“Molecular Movies of Enzyme Catalysis: Implications for Dynamic, Structure-Based Drug Design”.

5/4 Hye-Sook Kwon, Graduate Student, Biochemistry and Molecular Biology, IUSM, Indianapolis, IN. “Transcriptional Regulation of Pyruvate Dehydrogenase Kinase 4 (PDK4) Gene Expression” at 1:00 p.m.

5/10 Dr. Monica Roth, Professor, Department of Biochemistry, UMDNJ-Robert Wood Johnson Medical School, Piscataway, NJ.
“Targeting Retroviral Vectors for Gene Delivery”.

5/17 Dr. Adam Lerner, Associate Professor, Section of Hematology & Oncology, Dept. of Medicine, Boston Medical Center. “AND-34/BCAR3 Regulated Anti-Estrogen Resistance in Breast Cancer Cells by Rac Activation”.

5/18 Joel Yalowitz, Graduate Student, Biochemistry and Molecular Biology, IISM, Indianapolis, IN. “Identification and Characterization of a Family of Nicotinamide Mononucleotide Adenylyltransferases from Yeast and Humans”. **1:00 p.m.** MS 326.

5/28 Dr. Gen-Sheng Feng, Ph.D. Associate Professor, The Burnham Institute, La Jolla, California. “Cell Signaling by Tyrosine Phosphatases: From Phenotype to Mechanism”.
12:00 PM Cancer Center Auditorium R4 - 101.

Center for Diabetes Research Seminars, Tuesdays, 4:00 pm, MS 311 A/B

5/11 Dr. Kieren Mather
“Diabetes and Insulin Resistance in Myocardial Fuel Selection – PET studies in humans”.
MS B16.

5/25 Dr. Wayne Wilson,
“Regulation of Glycogen Synthase Activity – Lessons from Yeast”.

Research Seminars, Thursdays, 12:00 noon, MS 311 A/B

5/13 Dr. Gretchen Parker,
“New insights into the role of muscle glycogen in glucose homeostasis”.

American Chemical Society Meeting June 2-4

The Regional American Chemical Society Meeting is to be held at the University Conference Center, June 2-4. Biological Symposia include: Nucleic Acid Structure and Chemistry, Translation Mechanisms, and DNA Repair. The latter two sessions are chaired by Ron Wek and Mark Kelley, respectively. In addition, there is also a Proteomics session, which has been co-organized with the Analytical division.

The URL to access the meeting site is <http://membership.acs.org/c/cerm2004/>. If you have questions that are not answered at the web site, check with **Millie Georgiadis**, Co-organizer Biological Division, mgeorgia@iupui.edu, or **Eric Long**, Co-organizer Biological Division, at long@chem.iupui.edu.



Proteomics Core gets new location and name

Effective May 3, 2004 the Proteomics Core Facility will become part of the Indiana Centers for Applied Protein Sciences (INCAPS), an initiative being spearheaded by BioCrossroads, central Indiana's life science network of public, private, and academic institutions aligned to accelerated business formation and growth.

The Proteomics Core Facility will move from the Biotechnology Research and Training Center (BRTC) to the Indiana University Emerging Technology Center (IUETC) which is located next to the downtown canal at 351 W.10th Street. The core, with the new name Academic Research and Service Center, will be in Suite 350. The facility is expected to be back in operation by May 17.

Mu Wang, Ph.D., who has been the core director, will serve as the director for the Academic Research and Service Center and remain as the contact person for all academic proteomics

projects. Dr. Wang said INCAPS will provide "cutting edge" proteomics technologies, applications and expertise for academic and industrial projects.

"We are looking forward to the greater resources that will be a part of INCAPS and most importantly assisting the faculty in all future proteomics research needs," Dr. Wang said.

He thanked the faculty, fellows and students who have utilized the proteomic technologies and expertise provided by the Core and its staff since its inception in October 2001.

Dr. Wang said that all data generated in the past two years on the server of the Proteomics Core will also be transferred to the new INCAPS server. Although the data will still be stored on MDSS, users are encouraged to save a copy of their data on their own data management system.

For more information about the move, and about the center's services and

fees, contact Dr. Wang at his BRTC office, Room 312, 278-0296, or at the IU ETC Building at 274-1446; or you can email him at muwang@iupui.edu.

New Babies!

Bob and Sarah George are the proud parents of a daughter, **Tula Bee**. She was born at 4:26am on Saturday March 13th and was 7lbs. 8oz. at birth and 21" long.

Dave Skalnik and Kristin Chun welcomed a daughter, **Allison Katherine**, on Saturday, May 1. Allison was born at 6:38 a.m. weighing in at 6 lbs. 15 oz and is 19 inches long. Son Christopher, 5, is now a big brother.

New Grants

Mark Kelley

- Principal Investigator, Pfizer grant for Molecular Medicine In Action Program (MMIA).
- Principal Investigator, NIH RO1 "Imbalancing DNA BER to Enhance Ovarian Tumor Sensitivity."

David Skalnik

- Principal Investigator, National Science Foundation, "CpG Binding Protein in the Regulation of Cytosine Methylation and Chromatin Structure."
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First Annual Indiana Bioinformatics Conference

9:00 am - 4:00 pm Thursday, May 27, 2004

IUPUI Campus, Medical Sciences Building

635 Barnhill Drive, Indianapolis, IN 46202

Join scientists from throughout Indiana to learn about ongoing bioinformatics and biomedical informatics research.

The conference will also include presentations from 5 selected abstracts of the meeting as well as a poster session and round table discussions, and invited lecturers from prominent bioinformaticists.

Conference Schedule

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| 9:00 – 9:15 | Welcome and Introduction, Keith Dunker, Ph.D.
Director, Center for Computational Biology and
Bioinformatics, Medical Science 326 |
| 9:15 – 10:15 | Brief presentation from 5 award-winning abstracts
Names to be announced at the meeting, MS 326 |
| 10:15 – 10:30 | Coffee Break, Medical Science Atrium |
| 10:30 – 12:00 | Keynote Speaker: Cathy H. Wu, Ph.D., Georgetown University
Title: PIR Integrated Bioinformatics for Functional Genomics
& Proteomics, MS 326 |
| 12:00 – 2:00 | Lunch/Poster Session, Medical Science Atrium |
| 2:00 – 3:00 | Round Table Discussions |
| 3:00 – 4:00 | Plenary Speaker: TBA, Medical Science 326 |

All are encouraged to submit abstracts to the Conference which will be presented as part of the lunchtime Poster Session. More information can be obtained at <http://compbio.iupui.edu>.

All attendees must complete a Registration Form which can be obtained at <http://compbio.iupui.edu/Events/form.htm>. **The deadline for Registration is May 21, 2004.**

The Abstract Form can be obtained at <http://compbio.iupui.edu/Events/abstract.htm>.
The deadline for Abstract submission is May 14, 2004.
