

Zhong-Yin Zhang named as New Biochem Chair



Zhong-Yin Zhang, PhD, has been selected to serve as the new chair of the Department of Biochemistry and Molecular Biology effective July 1, 2005, pending university administrative approval.

He currently is a Professor in the Department of Molecular Pharmacology and Biochemistry at the Albert Einstein College of Medicine in New York City, where he also serves as an investigator at the college's cancer and diabetes centers.

Zhong-yin replaces Tom Hurley who has served as interim chair since June 2004 when Bob Harris stepped down.

After earning a B.S. in Chemistry from Nankai University in 1984, Zhong-yin spent the next 3 years as a Teaching Assistant in the Chemistry Dept. at Purdue at West Lafayette. He then earned a doctorate in biochemistry from Purdue 1990. His post-doc work included a fellowship at the Upjohn Company, followed by a 3-year appointment as a Research Investigator at the University of Michigan where Jack Dixon served as his preceptor. In 1994 he joined the Albert Einstein College of Medicine as an Assistant Professor and was appointed Professor in 2002.

Zhong-yin's research interests include the structure and function of protein-tyrosine phosphatase and protein phosphorylation. His approaches utilize the latest proteomic and chemical approaches toward understanding both the *in vitro* mechanistic properties of the enzymes and the *in vivo* functions of these diverse signalling enzymes. More information on his current research is available at <http://www.aecom.yu.edu/phd/faculty/zhang.htm>.

We warmly welcome Zhong-yin and give heartfelt thanks to Tom Hurley for his administrative efforts on the department's behalf.

Biochemistry Seminars
Mondays 4 pm, MS B26

4/4 Dr. Richard W. Kriwacki, Associate Member, Department of Structural Biology, St. Jude's Children's Hospital, Adjunct Assistant Professor, Department of Molecular Sciences, University of Tennessee Health Science Center, Memphis, TN. *Topic:* "Protein Disorder and Biological Function: What Does "Disorder" Really Mean?"

4/11 Dr. Mark Goebel, Professor, Department of Biochemistry and Molecular Biology, IUSM, Indianapolis, IN. *Topic:* "The SCF complexes regulate the integration of metabolism, stress and cell division"

4/18 Dr. Natalie Ahn, Professor, Department of Chemistry and Biochemistry, University of Colorado, Associate Investigator, Howard Hughes Medical Institute, Boulder, CO. *Topic:* "Analysis of signal transduction by functional proteomics" in **EMERSON HALL AUDITORIUM.**

4/25 Dr. Simon Atkinson, Associate Professor of Medicine and Department of Biochemistry and Molecular Biology, Director, Graduate Program for Medical Biophysics, IUSM Indianapolis, IN. *Topic:* "Rac'd by Disease: Rho GTPases and the Cytoskeleton in the Kidney"

April Seminars

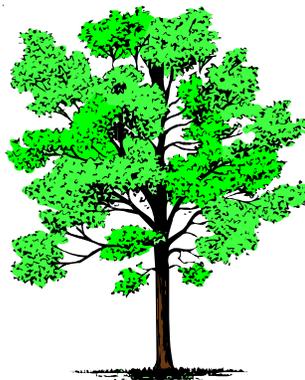
Biochemistry Student Seminars
Wednesdays, 12 Noon, MS B16

April 6 Beth Lasater
April 13 Marissa Schiel
April 20 Sixin Jiang
April 27 Wei Luo

Center for Diabetes Research Seminars, Tuesdays, 4:00 pm, Daly Student Ctr. 122A

4/5 Dr. John Watkins, Professor of Pharmacology and Toxicology and Adjunct Professor of Optometry, Medical Sciences Program, Indiana University, Bloomington, IN. *Topic:* "Effects of a low carbohydrate diet on markers of oxidative stress from diabetic and non-diabetic rats" Refreshments, 3:30 - Outside MS 4053

4/19 Dr. Henry Rodriguez, Assistant Professor of Clinical Pediatrics and Director of the Pediatric Diabetes Clinical Program, Indiana University School of Medicine, Indianapolis, IN. *Topic:* "Update on Type 1 Diabetes Clinical Studies at Riley"



Biochemistry and Molecular Biology Research Seminar Series Every other Thursday, 12:00 noon MS B16

4/14 Dr. Paresh Sanghani, Assistant Research Professor/Assistant Professor, PT, Department of Biochemistry and Molecular Biology, IUSM, Indianapolis, Indiana. *Topic:* "Mechanism and role of zinc movement in the catalytic mechanism of formaldehyde dehydrogenase"

4/28 Kirk Staschke, Graduate Student, Department of Biochemistry and Molecular Biology, IUSM, Indianapolis, Indiana. *Topic:* "Cross-talk between the general control and TOR signaling pathways in yeast"



Other Seminars of Interest

4/15 Predrag Radivojac, Ph.D. Visiting Assistant Professor, School of Informatics, Indiana University
Title: "Methods for Prediction and Analysis of Protein Functional Regions"
3:30 P.M. Medical Science Building 326

Recent Publications

Zhidong Zhang, Patrick J. Edwards, **Roger W. Roeske**, and **Lili Guo**. (2005) Synthesis and Self-Alkylation of Isotope-Coded Affinity Tag Reagents. *Bioconjugate Chem.* **16**, 458-464.

Pines Alex; Bivi Nicoletta; Romanello Milena; Damante Giuseppe; **Kelley Mark R.**; Adamson Eileen D.; D'Andrea Paola; Quadrifoglio Franco; Moro Luigi; Tell Gianluca (2005). Cross-regulation between Egr-1 and APE/Ref-1 during early response to oxidative stress in the human osteoblastic HOBIT cell line: Evidence for an autoregulatory loop. *Free Radical Research*, 39:269-281(13).

New Faces in Biochemistry



Symantha Anderson is a new post doc in Dr. Quilliam's lab

Biocomplexity Workshop May 9-11

"Biocomplexity Workshop VII: Unraveling the Function and Kinetics of Biochemical Networks, From Experiments to Systems Biology" is hosted by the Biocomplexity Institute and the IU School of Informatics. It's scheduled for May 9-11 in Bloomington. For details and more information, see www.biocomplexity.indiana.edu/events/bio7/.

Indiana Biosensor Symposium April 6

The 2005 Indiana Biosensor Symposium is set for Wednesday, April 6 at the IUPUI Conference Center. This event is a follow-up to the Indiana Biosensor New Ventures Conference held in 2003. This year's symposium is intended to strengthen the state's research capacity by cultivating a network of leaders in the biosensor field and by serving as a catalyst for commercializing innovative ideas. Details are available at www.indianabiosensor.com.



Congratulations!

New Awards

Two Biochem investigators received their first NIH R01 Awards! Kudos to **Lawrence Quilliam** on his R01 award for the project, "Rheb GTPase as Chemotherapeutic Target for Brain Tumors". And congratulations to **Joyce Hurley** for her R01 award for the project, "Sensitization in Trigeminal Neurons: A Role in Migraine?" We're proud of you both!

David Ingram received a new 5-year award from the US Army for the project "Function of Neurofibromin in Endothelial Cells".

Congrats to **Ron Wek** who accepted an invitation to serve as a member of the Molecular Genetics C Study Section, Center for Scientific Review at NIH for the term beginning immediately and ending June 30, 2008.

