

# Biochemistry and Molecular Biology Notes

Volume 12, No. 12

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## Recent Publications

Zhong-Qing Shi, **Dehua Yu**, Moran Park, Mark Marshall, and **Gen-Sheng Feng**. *Molecular mechanism for the Shp-2 tyrosine phosphatase function in promoting growth factor stimulation of Erk activity*. Mol. Cell. Biol. **20**: 1526-1536, 2000.

Gianluca Tell, Alessandro Zecca, Lucia Pellizzari, Paola Spessotto, Alfonso Colombatti, **Mark R. Kelley**, Giuseppe Damante, Carlo Pucillo. *An environment to nucleus signaling system operates in B lymphocytes: redox status modulates BSAP/Pax-5 activation through Ref-1 nuclear translocation*. Nucleic Acids Research **28**: 1099-1105, 2000.

David H. Moore, Helen Michael, Renee Tritt, Stephen H. Parsons, and **Mark R. Kelley**. *Alterations in the Expression of the DNA Repair/Redox Enzyme APE/ref-1 in Epithelial Ovarian Cancers*. Clinical Cancer Research **6**: 602-609, 2000.

**Howard J. Edenberg**, *Regulation of the Mammalian Alcohol Dehydrogenase Genes*. Nucleic Acids Research **64**: 295-341, 2000.

## 21<sup>st</sup> Century Awards

The first grants from the state's newly created 21<sup>st</sup> century Research and Technology Fund were awarded in late January. Direct awards went to:

- **Howard Edenberg**, P.I., received \$1.2million for a \$2.2million project to establish a Center for Medical Genomics.
- **Ting-Kai Li**, P.I. and Sprague-Dawley, Inc, received \$1.99million for a \$4million project to develop a rodent resource and research center.

## March Seminars

### Biochemistry Seminars

**3/2 Dr. Bart Pederson**, Postdoctoral Fellow, Biochemistry and Molecular Biology, IUSM; *"Identification of residues conferring glucose-6-phosphate sensitivity to glycogen synthase "*  
**12:00 Noon, MS B13**

**3/6 Dr. Barbara L. Golden**, Assistant Professor, Department of Biochemistry, Purdue University, West Lafayette, IN; *"The catalytic core of the tetrahymena group I intron "*.

**3/13 Dr. Crislyn D'Souza-Schorey**, Walther Cancer Institute, Assistant Professor, Department of Biological Sciences, Notre Dame; *"Regulation of peripheral membrane traffic and actin cytoskeleton remodeling "*

**3/14 Dr. R. Adron Harris**, M. June and J. Virgil Waggoner Professor, Director Waggoner Center for Alcohol and Addiction Research, University of Texas at Austin; *"Alcohol actions on mutated proteins and mutated mice "*. **12:00 Noon, MS 326**

**3/16 Hui Zong**, Graduate Student, Biochemistry and Molecular Biology, IUSM; *"Study of small GTPase RhoA induced cellular transformation"*. **12:00 Noon, MS B13**

**3/20 Dr. Daniel J. Lew**, Assistant Professor, Pharmacology and Cancer Biology, Duke University Medical Center, Durham, NC, *"Coupling morphogenesis and the cell cycle in yeast"*.

**3/27 Dr. Barry L. Wanner**, Professor, Department of Biological Sciences, Purdue University, West Lafayette, IN; *"Signal transduction and protein phosphorylation in the vancomycin resistance and phosphate two-component regulatory systems in bacteria"*.

## **Biochemistry Student Seminars**

3/1 Junhai Guo/Trevor Starnes  
3/8 Yu Li  
3/15 Zejin Sun  
3/22 Bolan Linghu  
3/29 Yong Luo/Boli Huang

## **Center for Diabetes Research Seminars**

**3/7 Dr. Joseph Brozinick**, Senior Research Scientist, Endocrine Division, Eli Lilly Corp., Indianapolis, IN; *"Defects in insuring signaling in insulin resistant skeletal muscle "*.

**3/21 Dr. Jesus Dominguez**, Professor of Medicine and Physiology, IUSM; *"Clinical applications of RNA aptamers "*.

## **Other Seminars of Interest**

**3/2 The New Genetics of bone Marrow Transplantation. Ruth D. Allen, Ph.D.**, Dept. of Biology, IUPUI; Indianapolis. **MS 326, 4:00 p.m.**

**3/15 Novel Biologically-Based Therapies for Myeloma. Dr. Kenneth C. Anderson**, Harvard Medical School and Dana Farber Cancer Center; Boston, MA. **Cancer Research Institute Auditorium, 4:00 p.m.**

**3/23 Role of Neurofibromin 1 in Myeloid Cell Control. D. Wade Clapp, M.D.**, Depts. of Pediatrics and Microbiology/Immunology, IUSM. **MS 326, 4:00 p.m.**

**3/29** *Molecular Analysis of Hematopoietic Stem Cells.* **Dr. Michael Clarke**, Dept. of Medicine, University of Michigan Medical School; Ann Arbor, MI. **Cancer Research Institute Auditorium, 4:00 p.m.**

**3/30** *Molecular Surgery Using Adenoviral Gene Therapy for Prostate Cancer.* **Thomas Gardner, M.D.**, Dept. of Urology, IUSM. **MS 326, 4:00 p.m.**

**3/31** 2000 Scientific Sessions, IU School of Medicine. **Medical Sciences Building, Room B26 and the Atrium, 8:15 a.m.**