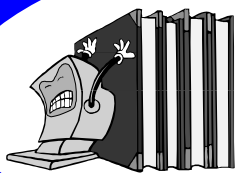


Biochemistry and Molecular Biology



NOTES



Volume 15, No.6

September 2002

Change in Student Representative

Please join the Department in congratulating grad student **Suzanne (Hart) Young** of Dave Skalnik's lab on her election as the new student representative for 2002-03. Our best wishes to you!

The Department also gives a big thanks to **Heather Larson** for serving as the 2001-02 student representative. We appreciate all of your hard work and participation.



Welcome to new faculty member, Dr. Millie Georgiadis

We're pleased to welcome **Millie Georgiadis, Ph.D** as a new Associate Professor in the Department of Biochemistry and Molecular Biology as of September 1, 2002. She will be temporarily located in the Cancer Research building, R4; the office is R4-037 (278-8486) and the lab is R4-033 (278-8827). She can also be reached via email at mgeorgia@iupui.edu. Dr. Georgiadis will relocate to the 4th floor of the MS building annex in January/February, 2003.

Dr. Georgiadis was selected as the top candidate for a position in the Center for Structural Biology. Her expertise is in structural biology, X-ray crystallography, physical biochemistry, and nuclear proteins involved in binding and recognition of nucleic acid. She comes to us from the Waksman Institute and the Department of Chemistry at Rutgers University. She earned a B.S. degree in biochemistry from IU Bloomington and a Ph.D. in biochemistry from UCLA. Post-doctoral studies were completed at Columbia.

Her current research projects are cancer related and include structural and functional studies on Moloney murine leukemia virus reverse transcriptase (MMLV RT).

We extended a warm welcome to Dr. Georgiadis at a reception in her honor on Wednesday, September 4 at 3 p.m. in the atrium outside the Biochem office.

**The Recipient of the 2002 Steven C. Beering
Award for Outstanding Achievement in
Biomedical Science is:**

C. Ronald Kahn, M.D.

Dr. Kahn is President and Director of the Joslin Diabetes Center in Boston, MA. He is being recognized for his work on Insulin Signaling.

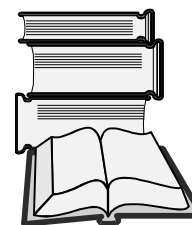
Dr. Kahn will lecture to the First and Second Year Medical Students in Emerson Hall Auditorium on Tuesday, October 29, 2002 at 8:00 a.m. Lecture title: "Genes and the Environment in the Pathogenesis of Diabetes Mellitus".

Dr. Kahn will deliver the Beering Lecture on Wednesday, October 30, 2002 at 8:30 a.m. in University Place Hotel Auditorium. Lecture title: "Defining The Multidimensional Insulin Signaling Network".

Round table discussions will be arranged during his visit with groups of investigators.

Important Dates

- 9/2 LABOR DAY
- 9/16 NIH New Research, FIRST and Career Development Awards, All Program Project and Center Grants
- 10/15 NIH Competing continuation, revised grants
- 11/28 THANKSGIVING
- 12/10 Finals begin
- 12/25 MERRY CHRISTMAS!
- 1/1/03 HAPPY NEW YEAR!
- 1/8 Classes begin



Scientific Session for Faculty

The Indiana University School of Medicine is hosting a Scientific Session on **Wednesday, September 18**. **All IUSM faculty are encouraged to submit an abstract for the poster session** - either directly at www.iupui.edu/~iusmss/home.html, or by hard copy to Maureen Harrington, Ph.D., Walther Oncology Center, R4-302.

The calendar of the day's events includes:

- 7:45 - 9 a.m. Dean's Sponsored Grand Rounds, Myers Auditorium, Wishard Hospital
 - 7:45 a.m. Welcome from Dean Craig Brater
 - 8:00 a.m. Mark Kelley, Ph.D., "Therapeutic Applications of DNA Repair Targets"
 - 8:30 a.m. Bruce Molitoris, M.D., "Functional Significance of Actin Cytoskeletal Alterations in Ischemic Cell Injury"
 - 10:30 a.m. - 3 p.m. Poster Session for School of Medicine Faculty, VanNuys Medical Sciences Building Atrium
 - 11:00 a.m. - 1 p.m. Poster Session - Presenters will be present.
-

September Seminars

Biochemistry Seminars Mondays 4 pm, MS 326

9/9 Dr. Lawrence A. Quilliam, Associate Professor, Biochemistry & Molecular Biology, IUSM “Regulation of Ras Family Proteins by Guanine Nucleotide Exchange Factors and GTPase Cascades”

9/12 Boli Huang, Graduate Student, Biochemistry and Molecular Biology, IUSM “Regulation of pyruvate dehydrogenase activity by altered expression of its kinase and phosphatase” **1:00 pm, MS B26**

9/18 Dr. Ganes C. Sen, Professor, Department of Molecular Biology, Lerner Research Institute, Cleveland Clinic Foundation, Cleveland, Ohio. “Apoptosis and Translational Inhibition by Viral Stress Inducible Proteins” **4:00 PM, MS 326**

9/23 Dr. Douglas Andres, Associate Professor, Department of Molecular and Cellular Biochemistry, University of Kentucky College of Medicine, Lexington, KY. “Regulation of Neuronal Survival and Differentiation by the Rit GTPase”

9/30 Dr. Mark C. Wagner, Assistant Professor of Medicine, Department of Nephrology, IUSM “Myo1c, an Unconventional Myosin, is Altered by Renal Ischemia”

Biochemistry Student Seminars Wednesdays, 12 Noon, MS 311

9/4 Lee Ott

9/11 Lisa VanLeuven Garrett

9/18 Tia Harvey

**9/25 Hye-Sook Kwon
Nivanka Paranjitana**

Center for Diabetes Research Seminars, Tuesdays, 4:00 pm, MS 122

9/10 Dr. Robert A. Harris, Distinguished Professor, Showalter Professor and Chairman, Department of Biochemistry and Molecular Biology, Indiana University School of Medicine, Indianapolis, IN. “Regulation of the Pyruvate Dehydrogenase Complex”

9/17 Dr. David Stapleton, NHMRC R.D. Wright Fellow, St. Vincent’s Institute of Medical Research, Victoria, Australia. “Structure and Function of the AMPK Regulatory Subunits”

9/24 Dr. Shaoyou Chu, Assistant Scientist, Cellular and Integrative Physiology, Indiana University School of Medicine, Indianapolis, IN. “Is Glomerular eNOS an Initial Target of Diabetic Nephropathy”

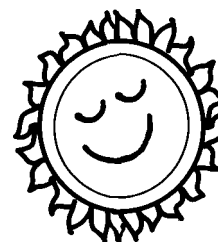
Recent Publications

Quilliam, L.A., Rebhun, J.F., and Castro, A.F. (2002). A growing family of guaninenucleotide exchange factors is responsible for the activation of Ras family GTPases. *Progress in Nucleic Acid Research and Molecular Biology*, 71, 391-444.

Reuther, G., Lambert, Q.T., **Rebhun, J.F.**, Caligiuri, M.A., **Quilliam, L.A.** and Der, C.J. (2002). RasGRP4 is a novel Ras activator isolated from acute myeloid leukemia. *J. Biol. Chem.* 277, 30508-30514.

Wu, M., He, Y-H, Kobune, M., Xu, Y., **Kelley, M.R.** and Martin III, W. J. 2002. Protection of human lung cells against hyperoxia using the DNA base excision repair genes hOgg1 and Fpg. *Am J Respir Crit Care Med.* 166(2):192-199.

You, M., Fischer, **M., Deeg, M.A., and Crabb, D. W.** (2002) Ethanol Induces Fatty Acid Synthesis Pathways by Activation of Sterol Regulatory Element-binding Protein (SREBP). *J.Biol.Chem.* 277(32):29342-29347.



Congratulations!

Tracy G. Anthony of the Evansville Medical Education Center, received an American Cancer grant from the Indiana University Cancer Center for her project, "Mechanism of Growth Inhibition by L-Asparaginase".

Frank Witzmann received a grant from the Air Force Office of Scientific Research for his project, "DURIP 2002, Proteomics by Tandem Mass Spectrometry".

Grad student **Suzanne Hart** of Dave Skalnik's lab announced her marriage to Douglas Young on June 29, 2002. After an outdoors ceremony at her parents' house, the couple enjoyed a golfing honeymoon at Myrtle Beach.



Karthik Raman is an hourly lab assistant in the lab of Debbie Thurmond.



Wei Wang, a grad student in Peter Roach's lab, (above) writes: I am very glad to share the happiness with everybody. My husband's name is Ji, Dong. We got married on Aug 4 in my hometown, Chaoyang China. And we also visited his hometown, a beautiful city named Lanzhuo in Gansu province.

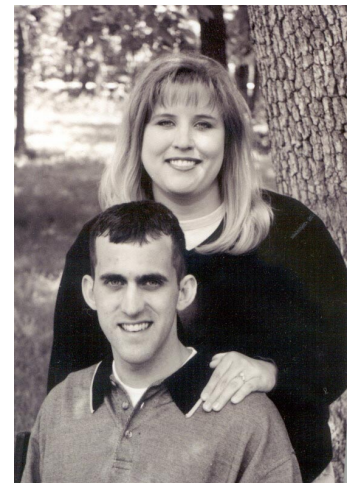
The following awards from the 2001-02 academic year were presented on Sept. 6 at the Biochemistry Retreat:

Peggy Gibson Award for Best Paper by a Graduate Student- **Boli Huang** and **Kun Ma**

Jack Davis Award for Best Seminar by a Graduate Student - **Heather Larson**

The Outstanding Mentor Award presented by the graduate students- **Dr. Peter J. Roach**

Wayne Wilson, Assistant Scientist in Peter Roach's lab, and **Mariko Obayashi**, former Visiting Research Associate in Bob Harris' lab, were wed on Tuesday, August 6 in Indianapolis.



M. Lisa Van Leuven (above), a grad student in Mark Goebel's lab, married Ethan Garrett on August 10 in Provo, Utah, her hometown. Ethan is from Charleston, Illinois and will finish up his MBA from Eastern Illinois University in December.

David Raches, a grad student in H. Jayaram's lab, and Christine Shultz were married in Monticello, Indiana on May 4, 2002. They honeymooned in Bahamas, Nassau at the Sandals Royal Bahamian Resort.

New Faces in Biochemistry



Hao Zhang is a new Graduate Student



Deborah Taylor is a Research Technician in the lab of Matt Grow



Amanda Freier is a Research Technician in the lab of Anna DePaoli-Roach



Luke Dannenberg is a new Graduate Student



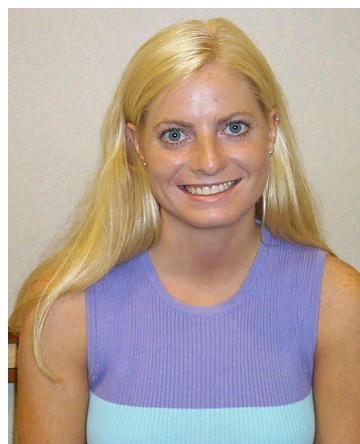
David Jordan is a Research Technician in the lab of Mu Wang



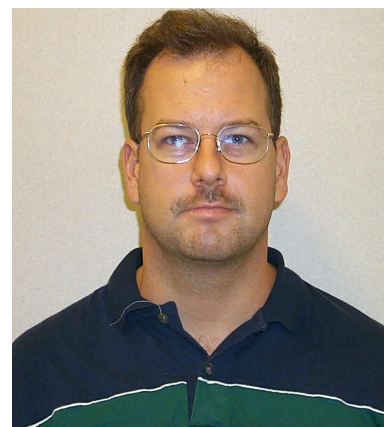
Vetri Jayaprakasan is an hourly lab assistant working for Dr. Jayaram



Yaritzabel Roman is a new Graduate Student



Sarah Pinkerton is a new Graduate Student



Marty Thompson is a work-study student in the lab of Anna DePaoli-Roach
