

Biochemistry and Molecular Biology

NOTES

Volume 17, No, 7

October 2004



Congratulations!

Congratulations to **Krishna and Junaki Vattem** on the birth of their daughter, Shreya. Little Shreya was born on Friday, September 17, 2004. Mother and baby are doing fine and dad is very pleased.

New grant awards

Timothy Degrado received a National Cancer Institute grant for the project entitled, "Choline Tracers for Imaging of Cancer." Bob Harris is listed as co-investigator.

Kristin Chun's R01 project was funded for five years: "Role of Cul-4A and ubiquitin in regulating hematopoiesis".

Important Dates

- 10/1 NIH New research
- 10/15 American Cancer Society mentored training and career development
- 11/1 NIH Competing Cont.

Mu Wang's abstract has been selected by the HUPO Award Selection Committee as a recipient of 2004 Young Investigator Award. (HUPO stands for "Human Proteome Organization".)

This award carries the equivalent of \$1,000 US dollars and is designed to aid the travel of young investigators to attend the HUPO 2004 Congress, which will be held in Beijing, China October 25th-26th, 2004.



Columbus
Day
Oct.
12

SPECIAL SEMINAR

Kenneth R. Chien, M.D., Ph.D. Professor of Medicine American Heart Association Endowed Chair in Cardiovascular Research, Director, Salk Program in Molecular Medicine, Director, Institute of Molecular Medicine University of California, San Diego is the 2004 Mark Brothers Lecturer. Dr. Chien will present two lectures on **Monday, October 4th, 2004.**

For Clinicians: *Towards molecular therapy for end-stage heart failure: A translational short story*, Ruth Lilly Learning Center Auditorium Riley Outpatient Center, **10:00 a.m.**

For Researchers: *Islet-1 progenitors in development and disease*, R4 Auditorium, Room 101, **2:00 p.m.**

The Mark Brothers Lecture recognizes and honors the achievements of internationally renowned medical scientists of Asian descent.

September Seminars

Biochemistry Seminars Mondays 4 pm, MS 326

10/4 Dr. Anjan Kowluru, Professor, Department of Pharmaceutical Sciences, Wayne State University, Detroit, MI. *Topic*: "GTPases and Insulin Secretion".

10/11 Dr. Katsura Asano, Assistant Professor, Department of Biology, Kansas State University, Manhattan, KS. *Topic*: "Coordinated assembly and ribosome binding of multifactor complex containing eIF1, eIF2, eIF3, eIF5, and Met-tRNA_i^{Met}".

10/18 Dr. Arthur S. Alberts, Scientific Investigator, Laboratory of Cell Structure and Signal Integration, Van Andel Research Institute, Grand Rapids, MI. *Topic*: "Rho GTPase-Formin Pairs in Signaling to the Cytoskeleton".

10/25 Dr. Jian Jian Li, Associate Professor, Head of Molecular Radiobiology Division, Purdue University, West Lafayette, IN. *Topic*: "NF- κ B Network in Cell Adaptive Response to Ionizing Radiation".



Biochemistry Student Seminars Wednesdays, 12 Noon, MS B16

10/6 Jill Butler
Courtney Tate
10/13 Monique Pierre
10/20 Dawn Brown
Ross Cocklin
10/27 Hao Zhang

Center for Computational Biology and Bioinformatics, Friday, 11:00 am, Hurty Hall C, Fesler 215

10/1 Frank Liu, Director of Biomedical Informatics and Professor from Tsinghua University. *Topic*: "Introducing BOD: A Customizable Bioinformatics on Demand System Accommodating Multiple Steps and Parallel Tasks".

10/8 David Flockhart, Professor and Chief, Clinical Pharmacology Indiana University School of Medicine. *Topic*: "Pharmacogenomic Bioinformatics".

10/15 Ernst Dow, Senior Information Consultant, Eli Lilly and Co. *Topic*: "Microarray Analysis for Biologist".

10/22 Peter Cherbas, Professor of Biology; Director, The Center for Genomics and Bioinformatics, IUB. *Topic*: "Nuclear receptors through the lens of Drosophila Genetics".

Microarray Technology and Development Workshop - Nov. 19

Please put **November 19, 2004 on your calendar** for an all-day workshop on microarray technology and development. Steve Fodor, inventor of the high density nucleotide array ("DNA Chip") and CEO of Affymetrix, will be the featured speaker.

The workshop is jointly sponsored by the Center for Medical Genomics and the Center for Computational Biology and Bioinformatics.

No registration is necessary for the workshop which will be held in Medical Science Building Room 326. Stay tuned for workshop details and agenda.

Another item for your attention is the Great Lakes Bioinformatics Consortium, which held a retreat August 16 and 17 at Waldenwoods Resort and Conference Center in Hartland, Michigan. To learn more about this organization, visit <http://greatlakesbioinformatics.org>.

To be put on their mailing list to obtain future announcements, contact Christyne Bliton [acbliton@umich.edu].

Special Colloquium

Presented By:

Department of Mathematical Sciences at IUPUI
Stark Neuosciences Research Institute
Center of Computational Biology and Bioinformatics

Avner Friedman

Distinguished Professor of Mathematical and Physical Sciences
Director of Mathematical Biosciences Institute
Ohio State University

The colloquium will be held at the **Science Building RM, LD010**
Friday, October 8, 2004
3:00 pm

Refreshments will be served in room LD259 at 2:15 pm

Title:

Programs and Research Problems at the Mathematical Biosciences
Institute

Abstract:

The Mathematical Biosciences Institute (MBI) was established at the Ohio State University in 2002, with funding from the NSF. The MBI brings mathematicians and statisticians together with bioscientists from all over the country (and the world) in order to work on significant problems in biology and medicine. In this talk, I shall first describe the MBI scientific program. Then I shall give some examples where new mathematical models help explain experimental results, and examples where new mathematical problems arise from attempts to understand biomedical processes.

Avner Friedman

Distinguished Professor of Mathematical and Physical Sciences
Director of Mathematical Biosciences Institute
Ohio State University

Professor Xiaohong Qian

Secretary General, Scientific Program Committee
HUPO 2004 Congress, Beijing, China



IU Cancer Center Research Day is Nov. 3rd

IUCC's 2nd Annual Cancer Research Day is slated for Wed. November 3rd from 10-5. A **scientific poster session** will be held in the Medical Sciences Building Atrium from 10 - 3, with presenters there from 11 - 1. **To participate, please submit abstracts electronically to mlucke@iupui.edu by Oct. 20.** Cash awards for best posters by grad students and by post-doc/ medical fellows will be presented at the afternoon seminar. **A town hall meeting** will be held in Room 101 of the Cancer Research Institute building from 2:30 to 3:30, providing an overview of the IUCC. The day concludes with an **IUCC combined seminar** in room 101 of the Cancer Research Institute from 4-5, with a **keynote address by Dr. Gary Stoner**, Director of the Laboratory of Cancer Chemoprevention and Etiology at Ohio State University. For more information, contact Maureen Harrington, Ph.D., at mharrin@iupui.edu.

Recent Publications

Chun, K.T. and Goebel, M.G.
2004. Necessity's Sharp Pinch.
Mol. Cell. 15 (2): 166-168.

Luo M, Kelley MR. Inhibition of the human apurinic/apyrimidinic endonuclease (APE1) repair activity and sensitization of breast cancer cells to DNA alkylating agents with lucanthone.
Anticancer Res. 2004 Jul-Aug; 24(4):2127-34.
