



**INDIANA GENOMICS INITIATIVE
PROTEOMICS SYMPOSIUM**

Friday, November 15, 2002

8:00 am to 5:00 pm

University Place Conference Center

Frank Witzmann, Ph.D. and Mu Wang, Ph.D. have organized a daylong symposium to provide a comprehensive introduction to proteomics. It will provide an opportunity to learn how researchers are both advancing proteomics technologies and applying them to such fields as human health.

AGENDA

- 8:15 Welcome - Ora Pescovitz; Introduction - Mark Hermodson
- 8:30 2D Gel-based Proteomics - Frank Witzmann
- 9:15 Glycoproteomics: Where Separation Science and Mass Spectrometry Meet - Milos Novotny
- 10:00 Coffee Break
- 10:30 Mass Spectrometry in Proteomics - David Clemmer
- 11:15 Data Management Strategies - Randy Julian
- 12:00 Lunch Break
- 1:30 Cancer Biomarker Development: A Systems Approach - Linda Malkas
- 2:15 Proteomics in Drug Development - John Hale
- 3:00 Summary Remarks: Mark Hermodson / John Hawes
- 3:10 Posters and Reception

The symposium is open to all interested persons, free of charge. Please indicate your intention to attend by email to Dr. Mu Wang, muwang@iupui.edu.

Call for Abstracts: Everyone is encouraged to submit abstracts for proteomics-related poster presentations. Abstracts should include Title, Authors, & Affiliations in RTF format, 250 words maximum. Posters should be no larger than 24 inches wide by 36 inches tall. **Abstract deadline is November 4, 2002.** Submit abstracts electronically to Dr. Mu Wang, muwang@iupui.edu.

This is the first of three INGEN Proteomics Symposia. The 2nd in this series is planned for Spring 2003 in West Lafayette and the third in Bloomington in Fall 2003. For more information contact Frank Witzmann at 278-5741, fwitzman@iupui.edu.

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November Seminars

Biochemistry Seminars Mondays 4 pm, MS 326

11/4 Dr. John C. Lawrence, Professor, Department of Pharmacology and Medicine, University of Virginia, Charlottesville, VA. "Signal Transduction by the Mammalian Target of Rapamycin, mTOR"

11/11 Dr. Ann L. Kirchmaier, Assistant Professor, Department of Biochemistry, Purdue University, West Lafayette, IN. "The Establishment and Inheritance of Epigenetic States in *Saccharomyces Cerevisiae*"

11/18 Dr. Gerald M. Carlson, Marion Merrell Dow/Missouri Professor of Structural Biology, Professor and Head of Division of Biochemistry and Molecular Biology, School of Biological Sciences, University of Missouri-Kansas City. "The Ca²⁺-Dependent Communication Network within the Phosphorylase Kinase Complex"

11/26 Dr. Vincent Jo Davisson, Professor, Department of Medicinal Chemistry & Molecular Pharmacology, Purdue University, West Lafayette, IN. "Novel Strategies for Selective Inhibition of *de novo* Purine Metabolism"



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

11/5 Dr. Mark Deeg, Associate Professor, Division of Endocrinology and Metabolism and Department of Biochemistry and Molecular Biology, Indiana University School of Medicine, Indianapolis, IN. "Phospholipase D and Beta Cell Function"

11/19 Dr. Frank Witzmann, Professor, Departments of Cellular and Integrative Physiology and Biochemistry and Molecular Biology, Indiana University School of Medicine, Indianapolis, IN. "2D Gel-Based Proteomic Applications"

IUSOM Combined Seminar Series Wednesdays, 4:00 pm, Cancer Research (R4) Auditorium 101

11/6 Matrix Metalloproteinase-7 in Chronic Pancreatitis and Pancreatic Cancer. Dr. Howard Crawford, Dept. of Cancer Biology, Vanderbilt University School of Medicine; Nashville, TN.

11/13 Epithelial Tumor Antigens and Cancer Vaccines. Ingraham Classical Immunology Lecture. Olivera J. Finn, Ph.D., Professor and Chair, Dept. of Immunology, University of Pittsburgh School of Medicine and University of Pittsburgh Cancer Institute; Pittsburgh, PA.

Biochemistry Student Seminars Wednesdays, 12 Noon, MS 311

11/6 Angela Nevins
11/13 Yahaira Naaldijk
11/20 Marcus Breese

Other Seminars of Interest

11/5 12:00 noon Long-term Treatment Effects of PTH in Rats. Dr. Masahiko Sato, Dept. of Endocrine Research, Lilly Research Laboratories, Eli Lilly and Company; Indianapolis, MS 311 A/B.

11/7 4:00 p.m. Multiple Roles for the Transcriptional Repressor BCL-6 in the Regulation of Lymphocyte Growth and Differentiation. Alexander L. Dent, Ph.D., Dept. of Microbiology/Immunology; IUSM. MS 326.

11/21 4:00 p.m. Regulation and Function of BCL-6 in Non-Hodgkin's B Cell Lymphomas. B. Hilda Ye, Ph.D., Dept. of Cell Biology, Albert Einstein College of Medicine of Yeshiva University; Bronx, NY. MS 326.

11/22 12:00 noon [CST] Regulation of Pyruvate Dehydrogenase Complex. Robert A. Harris, Ph.D., Professor and Chairman, Dept. of Biochemistry/Molecular Biology; IUSM. [To be presented at the Northwest Center for Medical Education in Gary and broadcast via polycom to all Centers for Medical Education. Call Sean Moser at 274-1531 for the Lilly Library room where this presentation can be viewed. The URL for the streaming video live can be obtained by e-mail from VICOPS@indiana.edu.]

Yearly Lab Safety Audits Underway

Environmental Health and Safety (EHS) is in the process of conducting their yearly lab safety audits. The primary purpose of the audit process is to minimize the potential for injury or illness for the lab staff.

Here are several of the areas of concern that EHS will address:

* Eliminate storage within 18 inches of the ceiling in those areas equipped with a sprinkler system.

* Flammable liquids need to be stored away from exit-access doorways.

* Flammable solvents need to be stored in explosion-safe refrigerators. This includes ethanol, Sigmacote and methanol.

* Place all sharps in sharps containers, including petri dishes and rigid plastic pipettes.

* Separate storage areas are needed for acids, bases, oxidizers, and solvents.

We appreciate everyone's adherence to lab safety standards. If there are any questions about the audit process, please contact EHS at 274-2829.

Time to sign up for the 2003 healthcare plan

Full-time faculty and staff will receive a benefits statement and open enrollment packet in campus mail by the first week of November. Please contact John Pieper in the Biochem Office (4-5351) if you do not receive a packet. **Enrollment forms are due in Human Resources no later than Friday, Nov. 22.** Health care plans become effective January 1, 2003.

Information sessions are scheduled at various times and places across campus to provide an overview of the open enrollment materials. A Benefits Specialist will also be available at certain times to answer questions and help complete enrollment forms.

Nov. 1	2:30 - 4	DS S116
Nov. 4	10 - 4:30	DS S421
Nov. 5	10 - 11:30	R4 101; Benefits specialist there 8-3:30
Nov. 13	1 - 2:30	UL Auditorium
Nov. 13	8 - 4	UL Archives Rm; Benefits Specialist available
Nov. 14	8:30 - 4	CA 147D; Benefits Specialist available

In Memoriam

Dr. Donald Bowman, founding chairman of the Department of Biochemistry at IU School of Medicine, passed away on October 5. He was 93. Dr. Bowman received bachelor's, master's and doctoral degrees from Western Reserve University. He began teaching at IU in 1941 as an Assistant Instructor and founded the Biochemistry Department in 1958. He served as chair until 1979 when he retired and was named Professor Emeritus. His contributions in research include purification of a protein that bears his name, the Bowman-Birk protease inhibitor.

The Bowman Award was established in 1981 as a prize for excellence in postdoctoral research in biochemistry at IU School of Medicine. The award is named after Dr. Bowman in recognition of his many contributions to the success of the department as well as his appreciation of the importance of training new investigators. The award competition, held every other year, will take place this year on November 8.

Memorial contributions may be made to the IU Foundation on behalf of the Bowman Award.

Congratulations!

The Walther Cancer Institute's inaugural Michael K. Guest Award for Innovative Research winner is **Harikrishna Nakshatri, Ph.D.**, who was the first to demonstrate a role for the transcription factor NF-kappaB in breast cancer. Moreover, he showed that NF-kappaB activates several cell division genes in breast cancer cells, resulting in enhanced growth, invasion and metastasis. His laboratory is developing and evaluating a series of NF-kappaB inhibitors. One of these, parthenolide, has entered clinical trials. The Michael K. Guest Award is named in honor of a former Walther Cancer Institute board member and attorney who succumbed to cancer in 1999. The award is presented to a Walther-affiliated scientist who is involved in innovative science. Dr. Nakshatri's work with the herb tanacetum parthenium earned him the award, which is the Institute's largest, single annual award.

Tom and Joyce Hurley welcomed their first little one: Matthew Steven Hurley was born on October 12 weighing 5 lbs. 10 oz at 19 inches long. Congratulations to the new family!

Donald Durden was awarded a National Cancer Institute grant for his project, "PTEN/AKT/p53 Signaling Axis in Tumor-Induced Angiogenesis".

Max Schmidt was granted a 1-year new research award by the Central Surgical Association for his project, "The Role of Cyclooxygenase-2 in Human and Experimental and Pancreatic Tumorigenesis".

Important Dates

11/28 THANKSGIVING
12/10 Finals begin
12/25 MERRY CHRISTMAS!
1/1/03 HAPPY NEW YEAR
1/8 Classes begin
1/20 MARTIN LUTHER KING, JR.
4/18 CAMPUS HOLIDAY
5/16 MEMORIAL DAY
7/4 INDEPENDENCE DAY
9/1 LABOR DAY
11/27 THANKSGIVING
11/28 FRIDAY AFTER THANKSGIVING
12/25 MERRY CHRISTMAS!

Reminder - Bowman Award Dinner

Those who plan to attend the Bowman Award Dinner on November 8 need to RSVP to Sherrie Bornino in the Biochem office as soon as possible.

Tel. 278-0304

email: sbornino@iupui.edu

Recent Publications

Zhai, X., Srivastava, A., Drummond, D., **Daleke, D.**, and Lentz, B. "Phosphatidylserine Binding Alters the Conformation and Specifically Enhances the Cofactor Activity of Bovine Factor Va," *Biochemistry* 41 (2002) 5675-5684.

Banerjee, M., Drummond, D., Srivastava, A., **Daleke, D.**, and Lentz, B. "Specificity of Soluble Phospholipid Binding Sites on Human Factor Xa," *Biochemistry* 41 (2002) 7751-7762.

Zhan, Ke, Vattem, Krishna M., Bauer, Bettina N., Dever, Thomas E., Chen, Jane-Jane, and **Wek, Ronald C.** (2002). Phosphorylation of Eukaryotic Initiation Factor 2 by Heme-Regulated Inhibitor Kinase-Related Protein Kinases in *Schizosaccharomyces pombe* is Important for Resistance to Environmental Stresses. *Molecular and Cellular Biology*. 22(20):7134-7146

