



ALI "QUOTES"

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THE NEWSLETTER OF THE PRINCETON ACS

September/October 2006

Website <http://www.princeton.edu/~pacs/>

Monthly Dinner Meeting

Wednesday, September 20, 2006

Our guest speaker will be

Dr. Nelly Aranibar, Bristol-Myers Squibb

"Metabonomics in Drug Discovery and Development"

Time: 6:00 PM
Lecture: Frick Laboratory, Room 120
Dinner: following lecture, at Kalluri Corner

Abstract

Metabonomics quantifies endogenous metabolites in biological samples and can be used to define the physiological state of each sample. In the pharmaceutical industry, this technology supports lead optimization and preclinical and clinical compound evaluations. Metabonomics extends classical clinical endpoints to monitor a large number of metabolites present in cells, tissues and biofluids, and is used to discover biomarkers or to screen for potential drug candidate liabilities. Metabonomics can be used as a screening tool for complex toxicity endpoints in lead evaluation or optimization phases, or to monitor animals (or patients) non-invasively. The comprehensive readout of a metabolic profile can also provide mechanistic insight into the biochemical response.

An overview of the technologies used for metabonomics will be presented, that include NMR and LC-MS, followed by uni- and multi-variate statistical analyses, and metabolite identification. We will present examples from discovery and development programs such as metabolic and cardiovascular disease, different classes of toxicological effects in liver, kidney and muscle, and, finally, we will discuss the future potential of metabonomics, integrated with genomics, proteomics, and toxicology towards the comprehensive understanding of complex biological processes.

Biography

Dr. Arabinar is native of Peru. She earned her PhD with Professor Heinz Ruterjans in Frankfurt, Germany. Her professional experience has included positions at American Cyanamid (now Wyeth) and Princeton University Department of Chemistry. She is now doing NMR-based metabonomics at Bristol-Myers Squibb and is one of the foremost experts in this field.

Reservations

The meeting will be held in room 120, Kresge Auditorium, Frick Laboratory, Princeton University (see www.princeton.edu/~pacs for more information). The seminar is at 6 PM followed immediately by dinner at Kalluri Corner Restaurant, 235 Nassau St. Princeton, NJ. The seminar is free and open to the public. Reservations are required for dinner, which is \$25 for full members, \$15 for retirees and \$10 for students. All reservations will be billed, for the section pays on the number of reservations, not the number of attendees. Please contact Denise D'Auria at (609) 258-5202 or denised@princeton.edu by Wednesday, September 13 to make or cancel reservations.

Reception and Student Poster Session

Joint Meeting of the Princeton ACS and Central Jersey AICHE

Tuesday, October 17, 2006

Guest speaker will be

**Commissioner Lisa Jackson,
NJ Department of Environmental Protection**

Time: 6:00 PM
Lecture: Friend Center Auditorium 101
Reception & Posters: 7 PM, Convocation Room

As Commissioner of the New Jersey Department of Environmental Protection (DEP), Lisa P. Jackson leads a staff of 3,400 professionals dedicated to protecting,

sustaining and enhancing New Jersey's water, air and land, and preserving its wealth of natural and historic resources.



Before her nomination by Governor Jon S. Corzine, Jackson served as the DEP's Assistant Commissioner for Land Use Management during 2005. A skilled and dedicated administrator, Jackson headed numerous programs including Land Use Regulation, Water Supply, Geological Survey, Water Monitoring and Standards, and Watershed

Management. She focused on developing a system of incentives for stimulating the right growth in the right places. Under her leadership, the DEP crafted regulatory standards for implementing the landmark Highlands Water Protection and Planning Act.

Jackson joined the DEP in March 2002 as Assistant Commissioner of Compliance and Enforcement after 16 years with the U.S. Environmental Protection Agency (EPA), initially at its headquarters in Washington and more recently at its regional office in New York City.

As the state's chief environmental enforcer, Jackson led groundbreaking compliance sweeps in Camden and Paterson, communities in which the effects of pollution on public health had long been neglected. She launched the environmental initiative following multicultural outreach efforts to inform and involve community residents and businesses. Working with county officials, State Police and the EPA, the DEP then mobilized more than 70 inspectors to conduct upward of 1,000 compliance investigations in the two cities, the first of a series of enforcement sweeps.

During her tenure at the EPA, Jackson worked in the federal Superfund site remediation program, developing key hazardous waste cleanup regulations, overseeing hazardous waste cleanup projects throughout central New Jersey and directing multimillion-dollar cleanup operations. She later served as deputy director and acting director of the region's enforcement division.

A native of New Orleans, Jackson earned a master's degree in chemical engineering from Princeton University. She is a summa cum laude graduate of Tulane University's School of Chemical Engineering.

Jackson resides in East Windsor. She is married to Kenny Jackson and is the proud mother of two wonderful sons.

Reservations

The meeting will be held in the Friend Center Auditorium, Princeton University. The seminar is at 6 PM and it is free and open to the public. It will be followed by a reception and student poster session in the Convocation Room. Reservations are required for the reception which is \$15 for members and \$5 for students. Contact Hema Ramamurthy (phone 609 258 4572, email hramamur@princeton.edu) by October 10th to make or cancel reception reservations. For directions to campus please see:

www.princeton.edu/main/visiting/travel/driving/

Section Honors 51-Year Member!

We have just learned of a 50-year member that was not recognized in 2005. Our sincere apologies for this oversight!

Please join me in congratulating Judith Leondar for having attaining 51 years of service with the ACS! She has been a member of the ACS since 1956 and a member of the Princeton local section since 1998. Her certificate of service will be presented at an upcoming PACS meeting.

2008 ACS National Awards Call for Nominations

The American Chemical Society Awards Program is one of the means by which the Society meets its obligation "to encourage...the advancement of chemistry in all its branches, the promotion of research in chemical science and industry, [and] the improvement of the qualifications and usefulness of chemists." Note that starting with this award cycle, the timeframe and deadline for submitting nominations has changed. **The deadline for receiving nominations for the 2008 ACS Awards is November 1, 2006.**

- Nominations for 53 national awards administered by the ACS to be presented in 2008 are being solicited.
- Forms for nominations and supporting information, and a detailed description of ACS national awards are available at <http://chemistry.org/awards>.
- Any individual may submit a nomination for an award, unless that individual is a member of the selection committee for the same award.
- Nominations and inquiries concerning awards should be directed to the Office of the Awards Programs, awards@acs.org.

The Princeton Section of the American Chemical Society

announces registration for

**THE 28th ANNUAL PRINCETON ACS FALL
ORGANIC CHEMISTRY SYMPOSIUM**

Friday, October 27, 2006
Registration 12:00-1:00 p.m.
Symposium 1:00-8:30 p.m.
 Forsgate Country Club
 Monroe Township, New Jersey

Professor Reinhard W Hoffmann

Department of Chemistry
 Philipps-Universitaet Marburg, Germany

Professor James Leighton

Department Of Chemistry
 Columbia University, NY

Professor Harry Gray

Department Of Chemistry
 California Institute of Technology, CA

Dr. Stuart Rosenblum

Department of Medicinal Chemistry
 Schering-Plough Research

Registration/Reception/Dinner: \$90.00 (\$55.00 /Students/Postdoc)

 Name: _____ Telephone/Fax: _____

Affiliation: _____

Address: _____

Email: _____

If Student/Postdoc list Advisor: _____

Vegetarian Dinner Required (check box)

Return to : Denise D'Auria
 Princeton University
 Chemistry Dept., Frick Labs
 Princeton, NJ 08544-1009

Please make checks payable to:
 "Princeton ACS Fall Organic Symposium"

[MONEY IS DUE BY OCTOBER 2, 2006](#)



Pre-Conference Accelerated Tutorial
The Bu\$iness Value of Green Chemistry
 October 3, 2006 • 1 - 5 PM

The course is being co-directed by the American Chemical Society Green Chemistry Institute. For More Information & to register go to: <http://www.processsummit.com/> or call 888-999-6288 toll-free in the U.S.

ACS 232nd National Meeting & Exposition

September 10 - 14, 2006

The society will hold its 232nd national meeting & exposition in San Francisco, CA, from September 10-14, 2006. The meeting will be held at the Moscone Center and more than a dozen hotels across the city. More than 12,500 scientists are expected to attend the fall meeting, with approximately 7,000 papers anticipated during the abstract submittal process .

See www.chemistry.org for full details.

CPSA 2006

The ninth Annual Symposium on Chemical and Pharmaceutical Structure Analysis (CPSA 2006) will highlight the theme: Shaping the Pharmaceutical Landscape with Engaged Analytical Sciences identification, and pharmaceutical profiling. It will be held at the Hyatt Regency Princeton, 102 Carnegie Center, Princeton, NJ 08540, October 17 - 19, 2006. For more information see (<http://www.milestonedevelopment.com/CPSA/2005/digest2005.html>) or contact Mike Lee at 267-757-0462, email, info@milestonedevelopment.com.

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