

WEEKLY BULLETIN
DEPARTMENT OF CHEMISTRY, NORTHWESTERN UNIVERSITY
EVANSTON, ILLINOIS 60208-3113
April 23, 2007
CALENDAR FOR THE COMING WEEK

**Monday, April 23,
2007**

Final Defense
Alyson Whitney
Nano 2003, 10:00a.m.
Advisor – Professor Richard
Van Duyne

*“Plasmonic Sensors for
Applications in Catalysis and Art
Conservation”*

**Tuesday, April 24,
2007**

Faculty Lunch Seminar
Professor Eric Weitz
Nano 2003, 12:10

**Wednesday, April
25, 2007**

Final Defense
Steve Bull
Nano 4003, 1:30p.m.
Advisors – Professor Thomas
Meade, Professor Samuel Stupp

*“Towards High Relaxivity
Magnetic Resonance Imaging
Contrast Agents for use in
Biomaterials”*

**Thursday, April 26,
2007**

Special Inorganic Chemistry
Seminar
Professor Nicole Bontemps
ESPCI, France
Cook Hall 2058, 1:00p.m.
Hosted by Professor Kenneth
Poeppelmeier

***From Mayenite $\text{Ca}_{12}\text{Al}_{14}\text{O}_{33}$ to
Electride $[\text{Ca}_{24}\text{Al}_{28}\text{O}_{62}]^{4+} + (4e^-)$
): an approach to the infrared-
visible signature of the insulator –
metal transition.***

**Thursday, April 26,
2007**

International Institute for
Nanotechnology Seminar
Professor Roger van Zee
National Institute Standards and
Technology
Pancoe-ENH Abbott Auditorium,
4:00p.m.
Hosted by Vice President of
Research Brad Moore

*“Energy-level Alignment of Aryl
Thiols Chemisorbed on Metal
Surfaces: Implications for
Molecular Electronics.”*

**Friday, April 27,
2007**

Institute for Environmental
Catalysis Seminar
Professor Karl Scheidt
NU – Department of Chemistry
Nano 4003, 12:00 noon
Hosted by Prof Randall Snurr

*“Homogeneous catalysis with
organic molecules: New directions
and opportunities”*

**Friday, April 27,
2007**

Final Defense
Graham Lawton
Nano 1004, 1:00p.m.
Advisor – Professor Richard
Silverman

*“Part 1: Synthesis of Side-Chain
Functionalized Polyamines and
Study of their RNA-Binding
Properties. Part 2: Synthesis and
Evaluation of Heterocycle-Based
Oligomers: Electronic Structure,
Synthesis, Characterization, and
Device Analysis”*

Inorganic Seminar
Karen Mulfort
Northwestern University
Nano 4003, **1:15p.m.**
Hosted by Professor Joseph Hupp

*“Electrochemically active MOFs
as hydrogen storage materials”*

Chemistry Dept Colloquium
Professor Tom Mallouk
Pennsylvania State University
Tech LR3, 4:00p.m.
Hosted by Inorganic Division -
Professor Chad Mirkin

*“Nanostructural Design of
Photocatalysts and
Photoelectrochemical Cells”*

[The complete list of seminars and colloquia are available at www.chem.northwestern.edu/resources/](http://www.chem.northwestern.edu/resources/)

UPCOMING EVENTS:

May 2, 2007

Physical Seminar

Matt Young

Nano 1004, 2:00p.m.

Hosted by Professor Richard Van Duyne and Professor Peter Stair

May 2, 2007

Physical Seminar

Jiha Sung

Nano 1004, 2:45p.m.

Hosted by Professor Richard Van Duyne

May 4, 2007

Inorganic Seminar

Monica Canalizo

Nano 4003, 1:15p.m.

Hosted by Professor Thomas O'Halloran

May 4, 2007
Physical Chemistry Colloquium
Professor Jeff Roberts
University of Minnesota
Tech LR3, 4:00p.m.
Hosted by Professor Franz Geiger

May 4, 2007
Final Defense
Sharon Koh
Nano 4003, 9:00a.m.
Advisors – Professor Tobin Marks and Professor Mark Ratner

May 7, 2007
Eli Lilly Seminar in Organic Chemistry Lecture Series
Professor David Gin
Sloan Kettering Cancer Center
Nano 4003, 11:00am
Hosted by Professor Karl Scheidt

May 8, 2007
Department of Chemistry Colloquium
Professor Yan Zhao
Iowa State University
Tech LR3, 4:00p.m.
Hosted by Professor Joseph Lambert

May 10th & 11th 2007
Industrial Associates Meeting
Poster Contest

May 11, 2007
Inorganic Seminar
Mike Marvel
Nano 4003, 1:15p.m.
Hosted by Professor Kenneth Poepelmeier

May 14, 2007
Abbott Lecturer
Professor Barry Trost
Stanford University
Pancoe – ENH Abbott Auditorium, 3:00p.m.
Hosted by Organic Division – Professor Karl Scheidt

May 18, 2007
Marple Schweitzer Lecture
Professor Carl Dirk
The University of Texas at El Paso
Tech LR3, 4:00p.m.
Hosted by PLU

FYI

Japan-USA Joint Symposium on Chemistry of Coordination Space is happening June 24-26, 2007 at Northwestern University in Pancoe/ENH Auditorium. Registration and abstract submission deadline is **April 24, 2007**. For more information see: <http://ccspace.chem.nagoya-u.ac.jp/meetingEng.htm>

The 13th International Conference on Unconventional Photoactive Systems will be held here at Northwestern University. The conference will include the following general topics: Solar energy conversion, bio-inspired photoactive systems, electroluminescence and OLEDs, nano-optics and plasmonics, single molecule spectroscopy, photonic switches, nonlinear optics photochromic materials, and optical data storage. **Abstracts are still being accepted.** Please contact Christina Maki at c-maki@northwestern.edu or the website for more information <http://chemgroupsnorthwestern.edu/ups13/> Special registration for students and postdocs will be \$50.00.

BIP Room Change!!! Due to renovations in K140, we will be moving BIP to **F235**. The room is located at the west end of the F-wing on the second floor. Thanks and we hope to see you all there Saturday, 10:00a.m.

Faculty Lunch Seminars and also Faculty Lunch hour for the next few weeks will be held in Nano 2003.

Opportunities

Roosevelt University is looking for an Adjunct Lecturer in General Chemistry for the summer session A (May 19, 2007 –June 30, 2007) at the Chicago campus, Monday – Thursday evenings. Applicants should have a graduate degree in Chemistry or related area. Send resume and the names, telephone numbers, and e-mails addresses of two references to the Assistant Chair, Department of Biological, Chemical and Physical Sciences, Roosevelt University, Chicago, IL 60605. Applications will be considered until the position is filled. Email jtels@roosevelt.edu.

Call for Abstracts – Industrial Associates Meeting, May 10 & 11, 2007. Graduate students and Postdocs interested in presenting a poster at the Chemistry Department Industrial Associates Meeting in May and compete for the 1st Annual Industrial Associate Poster Awards!

First Prize: \$150.00

Second Prize \$125.00

Third Prize \$100.00

All abstracts must be submitted to the front office by April 20, 2007. Please contact Teri Collins with your questions. (theresa-collins@northwestern.edu) For the abstract format see separate email and bulletin boards.

11th Annual GLCACS (Chinese-American Chemical Society-Great Lakes Chapter)

Meeting is going to be held Saturday, May 5, 2007. The GLCACS annual meeting features research presentations, industry introduction, career fairs and student poster. The student poster session, is open for registration. It is a great opportunity for chemistry, chemical engineering, material sciences, bio-technology, bio-engineering and biological sciences students and postdocs, especially for Chinese scholars, to present your research. You will get to meet directly with the company representatives during the job fair. Information and registration for the student poster session will be in the Main Chemistry office.

University of California, Department of Chemistry solicits applications for two lecturer positions beginning in July 2007. The nine-month salary for each positions \$46-56,000 depending on experience, with the possibility of additional income for summer session instruction. Each appointment is for one year with the potential for annual renewal consistent with University policies. Applicants for each position should send a *curriculum vitae*, a summary of teaching experience, and arrange to have three letters of recommendation sent to the address specified below. Please refer references to the UC statement on confidentiality at <http://apo.chance.berkeley.edu/evalltr.html>. The deadline for receipt of applications is May 30, 2007. Application review will begin with receipt of applications. Applications and letters of recommendation should be sent to:

Lecturer Search (ID #XX)
Department of Chemistry
University of California, Berkeley
Berkeley, CA 94720-1460

ExxonMobil Research and Engineering has a position to be filled requires an hard working, versatile and enthusiastic Ph.D. Organic or Physical Organic Chemist with fundamental chemical understanding of organic reaction mechanisms and kinetics. Initial assignment will involve fundamental understanding research of the chemical and physical properties and reactivity of aromatic and heterocyclic [N.S.O] aromatic compounds and their polycyclic analogues. The candidate will be expected to diligently become familiar with applicable literature, write technical reports, publish in top quality technical journals, present papers and participate in external technical meeting. Application should be made by mail and should include a resume, undergraduate and graduate transcripts, and a brief description of work history and research interests. ExxonMobil Research and Engineering Company

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