

WEEKLY BULLETIN
DEPARTMENT OF CHEMISTRY, NORTHWESTERN UNIVERSITY
EVANSTON, ILLINOIS 60208-3113
May 28, 2007
CALENDAR FOR THE COMING WEEK

**Monday, May 28,
2007**

MEMORIAL DAY HOLIDAY

**Tuesday, May 29,
2007**

Faculty Lunch Seminar
Professor Monica Olvera de la Cruz
Nano 2003, 12:10p.m

**Wednesday, May
30, 2007**

Myron L. & Muriel S. Bender
Distinguished Summer Lectures
in Organic Chemistry
Professor Ben L. Feringa
University of Groningen, The
Netherlands
Tech LR2, 4:00p.m.
Hosted by Professor Michael
Wasielewski

*“Exploring Chiral Space in
Asymmetric Catalysis”*

**Thursday, May 31,
2007**

3rd Year Organic Seminar
Joseph Bullock
Nano 4003, 11:00a.m.
Advisor: Professor Michael
Wasielewski

*“Self-assembly of long-lived ion-
paired states”*

Final Defense
Chris Koneck
Nano 4003, 2:00p.m.
Advisor – Professor Franz Geiger

*“Environmental Interfaces Studied
by Second Harmonic Generation”*

Myron L. & Muriel S. Bender
Distinguished Summer Lectures
in Organic Chemistry
Professor Ben L. Feringa
University of Groningen, The
Netherlands
Tech L211, 4:00p.m.
Hosted by Professor Michael
Wasielewski

*“In Control of Chirality and
Function; From Molecules to
Supramolecular Systems”*

Friday, June 1, 2007

Myron L. & Muriel S. Bender
Distinguished Summer Lectures
in Organic Chemistry
Professor Ben L. Feringa
University of Groningen, The
Netherlands
Nano 4003, 11:00p.m.
Hosted by Professor Michael
Wasielewski

“Molecular Switches and Motors”

Inorganic Seminar
George Chan
Nano 4003, 1:15p.m.
Advisors – Professor James Ibers
& Professor Richard Van Duyne

“Adventures with Copper”

Chemistry Colloquium
Professor Colin Nuckolls
Columbia University
Tech LR2, 4:00p.m.
Hosted by Professor Michael
Wasielewski

*“Reaction Chemistry Meets
Lithography”*

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

UPCOMING EVENTS:

June 4, 2007

Final Defense

Xiaoyan Ma

Tech F211, 1:00p.m.

Advisor – Professor Donald Ellis

June 6, 2007

Postdoc Poster Session

Pancoe (Einstein's Café), 3:00p.m. – 5:00 pm

All are invited!

Food & drinks provided.

Sponsored by NUPC

June 8, 2007

Inorganic Seminar

Ana Ramirez

Northwestern University

Nano 4003, 1:15p.m.

Advisor: Professor Joseph Hupp

June 15, 2007

Inorganic Seminar

Ryosuki Yamazaki

Northwestern University

Nano 4003, 1:15p.m.

Advisor: Professor Thomas O'Halloran

June 22, 2007

Inorganic Seminar

Sarah Hurst

Northwestern University

Nano 4003, 1:15p.m.

Advisor: Professor Chad Mirkin

June 27, 2007

2007 Malcolm Dole Distinguished Summer Lectures in Physical Chemistry

Professor John Tully

Yale University

Tech LR2, 4:00p.m.

Hosted by Professor Tamar Seideman

June 28, 2007

2007 Malcolm Dole Distinguished Summer Lectures in Physical Chemistry

Professor John Tully

Yale University

Tech LR2, 4:00p.m.

Hosted by Professor Tamar Seideman

June 29, 2007

2007 Malcolm Dole Distinguished Summer Lectures in Physical Chemistry

Professor John Tully

Yale University

Tech LR2, 11:00a.m.

Hosted by Professor Tamar Seideman

June 29, 2007
Inorganic Seminar
Stephen Smith
Northwestern University
Nano 4003, 1:15p.m.
Advisor: Professor Amy Rosenzweig

FYI

Congratulations to Professor Richard B. Silverman for being selected to receive the 2007 CAURS Awards for Outstanding Support of Undergraduate Research at the 3rd annual Chicago Area Undergraduate Research Symposium.

Congratulations to Sharan Srinivasan (Nguyen group) for winning the best poster award in the chemistry category at the 3rd annual Chicago Area Undergraduate Research Symposium.

The 13th International Conference on Unconventional Photoactive Systems will be held here at Northwestern University, August 5th – 9th 2007. 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://chemgroups.northwestern.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

Texas A & M University Department of Chemistry invites applications for tenure-track faculty positions in Inorganic Chemistry. The starting date of the appointments is open. Applications at the Assistant Professor level are particularly sought, but appointments to senior ranks also will be considered for qualified candidates. Successful candidates will be expected to establish and maintain vigorous independent research programs and to teach at both the undergraduate and graduate levels. Candidate should submit a curriculum vita, a description of research plans of no more than 5 pages, a one-page teaching statement, and arrange for three letters of recommendation to be sent to:

Head, Department of Chemistry, Texas A & M University
P.O. Box 30012
College Station, TX 77843-3012

American Chemical Society in Washington D.C. has three position open. Please call or e-mail Joan Marshall (j_marshall@acs.org) with any questions 202-872-4503

1. This position primarily researches, reports, writes, and edits articles for **Analytical Chemistry**. He or she contributes briefs, news stories, and complex feature articles on topics of interest to, and written at a level appropriate for, expert chemists. May also be responsible for performing editorial and production tasks and contributing to the editorial content. He or she may oversee activities that are subject to strict deadlines, generally assist with the training and supervision of work of less experienced staff, and may serve as a project leader. An advanced degree or equivalent experience preferred. Ability to gather, analyze, and interpret technical information from scientific papers, interview, and other sources quickly, accurately, and independently is required. Excellent written and oral communication skills are needed to present concepts clearly and in an interesting manner
2. This position is responsible for working with **ACS Chemical Biology** to implement the overall editorial mission of the product and for ensuring that the publication and the website are produced on time, on budget, and with appropriate levels of quality in both content and functionality. She/he is responsible for supervising the design and production of the publication on the web and in print. The incumbent assists in the development of content related to Web features (including multimedia features) and works closely with Sales & Marketing and Communications Office staff to develop press releases for published material as appropriate. College degree (chemistry, biology, or related science preferred); usually has an advanced degree or equivalent experience. 7 + years of related experience, including experience in STM publishing. Excellent written and verbal communication, organizational, decision making, leadership, and management skills, Ability to work under time pressure and manage multiple priorities. Ability to think analytically and strategically.
3. This position is responsible for working with the Editor-in-Chief of **ACS Nano** and the polymers and materials sciences Acquisitions Editor at ACS to implement the overall editorial mission of the product and for ensuring that the community website that will accompany the journal is produced on time, on budget, and with appropriate levels of quality in both content and functionality. The incumbent works closely with Sales & Marketing and Communications staff to develop press releases for published material as appropriate. Advanced degree or equivalent experience in the chemical sciences preferred. Combined 7+ years of relevant training and experience in an academic or industrial chemistry setting, and /or STM publishing environment. Experience with multimedia web technologies and journal peer review process preferred. Excellent written and verbal communication, decision making, leadership, and management skills. Ability to work under time pressure and manage multiple priorities. Ability to think analytically and strategically.

PPG Industries in Springdale, Pennsylvania an \$11 billion leading producer of coatings glass, chemicals, and fiberglass is seeking talented people for chemist positions PA Industrial Coating Plant. The incumbent will design, formulate, apply, and test coatings for the Industrial Liquid Coatings market in the product development group. He/she will work in a laboratory environment and will interact with a wide range of project interfaces in functions

such as polymer synthesis, analytical and physical characterization, engineering, marketing, sales technical service, other technical labs, and customers. Occasional travel to customer sites and other PPG facilities will be required. He/she must have the ability to interpret data, generate ideas, recommendations, conclusions, and develop a path forward based on results. He/she should have a BS degree in Chemistry with up to 10 years experience in coating formulation. The successful candidate must be results oriented and have excellent communication and problem solving skills. Experience with DOE and quality tools is a plus. If you are interested and applying for this position, visit our web site at <http://www.ppg.com/>

PPG Industries in Springdale, Pennsylvania is looking for talented people for a chemist position at PA Industrial Coatings Plant. The incumbent will formulate, apply and test coatings for Industrial Transportation customers for the purpose of new product development, continuous improvement, cost reduction and solving customer problems. He/she will work in a lab environment and will coordinate efforts with technical, manufacturing, sales and technical service associates. Occasional travel to customer manufacturing sites, other PPG manufacturing facilities and customer support sites will be required. Candidate must possess manual and automated application knowledge and be able to function in a fast paced, highly responsive market. Experience and knowledge of two component urethane, epoxy and one component thermoset technologies is a plus. He/she should have a BS degree in Chemistry with up to 10 years experience. If you are interested and applying for this position, visit our web site at <http://www.ppg.com/>

PPG Industries in Oak Creek, Wisconsin has an opening for a chemist position at the Wisconsin Industrial Coating Plant. The candidate will be responsible for providing technical support of one component and two component solvent borne coatings supplied to the North American Automotive Parts and Accessories Decorative (APAD) market. Support activities include: Formulation of cost efficient coating to meet APAD customer needs with application robustness and product integrity; defining formulation parameters and customer profiles that enable the efficient color matching of APAD products within the Oak creek Color Services team; coordinating performance testing of coatings to ensure compliance with customer specifications; assisting with the resolution of customer problems by identifying root cause and corrective actions; providing technical support to the manufacturing team for APAD products. The candidate must be able to grasp new technologies and methodologies quickly. Good computer and report writing skills as well as good communication skills required. Bachelor's degree in chemistry required. A minimum of 5 years experience in a laboratory setting for the development and support of solvent borne coatings. Experience with automotive market and specification requirements is beneficial. Experience in the use of quality tools such as sigma logic is desirable. If you are interested and applying for this position, visit our web site at <http://www.ppg.com/>