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**2012WEEKLY BULLETIN**  
**DEPARTMENT OF CHEMISTRY, NORTHWESTERN UNIVERSITY**  
**EVANSTON, ILLINOIS 60208-3113**

February 11, 2013

**CALENDAR FOR THE COMING WEEKS**

<b>Monday, February 11, 2012</b>	<i>Safety Meeting</i> Tech K140; 3 PM	
<b>Tuesday, February 12, 2013</b>	<i>Faculty Lunch Seminar</i> <b>Professor Alexander Statsyuk</b> Tech K140; 12:00 PM	
	<i>Special Seminar</i> <b>Res. Assoc. Professor Omar Fahra</b> Pancoe Auditorium; 2:30 PM Hosted by Professor Sam Stupp	<i>“Functional Metal-Organic Framework Materials: Design, synthesis, and utilization”</i>
<b>Wednesday, February 13, 2013</b>	<i>Physical Seminar</i> <b>Professor Wilson Ho</b> University of California-Irvine Ryan 4003; 4 PM Hosted by Professor Eric Weitz	<i>“The Inner Machinery of Single Molecules”</i>
<b>Thursday, February 14, 2013</b>	<i>Organic Seminar</i> <b>Professor Christopher Bielawski</b> University of Texas, Austin Pancoe Auditorium; 11 AM Hosted by Professor Sam Stupp	<i>“Externally Controlled Chemistry”</i>

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*Department Calendar can be found at <http://www.chemistry.northwestern.edu/events/calendar.html>*

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**Reminder**

BIP meets every Friday in Tech K140 at 3 PM.

**Arrivals and Departures**

Jessica Rouge has joined the Mirkin group as a postdoctoral fellow.

Sangwoon Yoon has left the Van Duyne group and returned to his position as associate professor at Dankook University.

Debajit Sarma has joined the Kanatzidis group as a postdoctoral fellow.

Jung Su Park has left the Mirkin group and taken a position as an Assistant Professor at Sookmyung Women's University in South Korea.

## **Save the Date**

*The Charles Hurd Lectures: February 25 and 26, 2013. Please see Department Calendar or Plan it Purple for details.*

## **Upcoming Events**

*For other upcoming events, please visit <http://www.chemistry.northwestern.edu/events/calendar.html>.*

## **Opportunities**

**Southern Teachers Agency has quite a few chemistry and physical science job listings** from schools for the 2013-14 academic year. These jobs range from physical science at the middle-school level through high school AP Chemistry. It is common for science teachers to teach more than one kind of science, so some of these positions will require a chemistry teacher to lead sections of biology, physics, or another science. If you know of students who are interested in teaching science after they graduate, please consider forwarding this information to them. Certification is **not** required by private schools for many science teaching jobs. [Click here to view current science teaching jobs](#)

**Requirements:** For most of these chemistry teaching jobs, a bachelor's degree with a major in chemistry (or at the very least a chemistry minor) is essential, but teacher certification is not. Of course, a degree in science education is highly desirable, as is a master's degree in chemistry. Candidates should have a GPA of 3.0 or higher. Some of these positions require prior teaching experience.

**Application process:** Interested candidates should apply to Southern Teachers Agency by submitting a completed STA application ([available online](#)), along with a resume and cover letter to [teachers@southernteachers.com](mailto:teachers@southernteachers.com).

**The Portland Technology Development group's Thin Films division of Intel Corporation** has several openings for physical science Ph.D.s to support/direct R&D of advanced processing methods. Candidates hired for these positions will be responsible for developing the next generation of Intel's microprocessors. Ph.D. candidates in Materials Science, Chemistry, Chemical Engineering, Physics, Electrical Engineering or related fields are encouraged to apply. Criteria for selection include: a strong academic record, demonstrated experimental and data analysis expertise, superior critical thinking skills, an ability to drive and take responsibility for projects and a solid peer-reviewed publication record. Experience using and maintaining scientific equipment is preferred. Semiconductor processing experience is not mandatory. Openings are immediately available at Intel's primary development facility (Ronler Acres) located 10 miles west of Portland, OR. Please see a more detailed job description included below. Interested candidates should email resumes to [travis.j.hebden@intel.com](mailto:travis.j.hebden@intel.com) with "Intel Corporation Hiring" in the subject line.

**The Department of Materials Science and Engineering (MSE) at Stanford University** invites applications for a tenure-track position at the Assistant Professor level. Under special circumstances involving exceptional academic merit, candidates at the untenured Associate Professor level may be considered. We seek applicants with significant accomplishments in materials research in its broadest sense that may include materials characterization involving structure characterization, characterization through property measurement (e.g. nano-mechanics, nano-electronics), theoretical modeling, etc. Stanford University has excellent facilities in these areas as represented by the Stanford

Nanocharacterization Laboratory (SNL), the Molecular Imaging Program at Stanford (MIPS), the Stanford Nano Center (SNC), the Stanford Nanofabrication Facility (SNF), the Center for Biomedical Imaging at Stanford (CBIS) and the X-ray facilities at the Stanford Linear Accelerator Center (SLAC). The successful candidate is expected to play a major role at one of these facilities. The successful candidate is also expected to make major contributions to large scale multidisciplinary research and to contribute significantly to leadership in Stanford's nanoscience and technology efforts which span several Departments and Schools, including faculty in the Schools of Engineering, Medicine, and Humanities and Sciences. We are looking for a motivated individual who is committed to excellence in teaching and to the mentoring of students in multidisciplinary materials research applied to energy and the environment, biomedical research and imaging, nano-mechanical or nano-electronic properties and devices, etc. Applicants should include a summary of their educational and professional backgrounds, a current list of published work, and the names of at least three referees who may be consulted by the search committee. An indication of how the candidate's experience matches the position described above should also be given. Applicants are encouraged to write brief descriptions of their plans for future research and how those plans might be realized in a Stanford setting, as well as to submit similar statements on teaching, focusing especially on their vision of teaching to students in the Department of Materials Science and Engineering. The appointment is expected to be made during the forthcoming academic year. Please apply online at: [http://mse.stanford.edu/faculty/faculty\\_search.html](http://mse.stanford.edu/faculty/faculty_search.html). Applications should be submitted by March 31, 2013. Questions should be directed to, Search Committee Chair, c/o Carol Scott, via electronic mail to [msesearch@stanford.edu](mailto:msesearch@stanford.edu).

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*Stanford University is an equal opportunity employer and is committed to increasing the diversity of its faculty. It welcomes nominations of and applications from women and members of minority groups, as well as from others who would bring additional dimensions to the university's research and teaching missions.*

**The U.S. National Committee for the International Union of Pure and Applied Chemistry (IUPAC)**

is seeking outstanding U.S. scientists and engineers under the age of 45, with interests and expertise related to the work of IUPAC. Selected applicants will attend the IUPAC General Assembly and Congress in Istanbul, Turkey, August 8-16, 2013 as Young Observers. The Young Observer Program provides an excellent opportunity to become involved in the work of IUPAC, develop an international network of scientists and engineers, represent your U.S. colleagues in the chemical sciences, and present your research in an international forum. The deadline for applications is February 4, 2013. For more information, please visit: <http://www.national-academies.org/usnc-iupac/yo>

**Drexel University – Chemistry Department Head** - The Dept. of Chemistry at Drexel is seeking an innovative research scientist, educator and administrator as Department Head starting September 2013. Please visit [www.drexeljobs.com/applicants/Central?quickFind=76338](http://www.drexeljobs.com/applicants/Central?quickFind=76338) to apply.

**Assistant/Associate Professor level, in Medicinal/ Pharmaceutical Chemistry: McGill University: Department of Pharmacology and Therapeutics** -

The Department of Pharmacology and Therapeutics of McGill University is inviting applications for a tenure-track faculty position at the Assistant/Associate Professor level, in Medicinal/ Pharmaceutical Chemistry. Applicants with research interests in drug discovery and skills in drug synthesis are encouraged to apply. Particularly, applications will be accepted from candidates with a strong research background in design and synthesis of new biologically active

molecules or improvement of existing compounds for novel pharmacological applications. Candidates are required to have initiated a successful scholarly career as evidenced by publications and presentations. The successful candidate will be a member of the Department of Pharmacology & Therapeutics and will be expected to contribute to the departmental research and teaching missions. In order to complete the application process, candidates must submit electronically a copy of their Curriculum vitae, a short statement of research interests and contact information of three external referees. Applications will be accepted until January 20th, 2013. Please send your application to [Admin.pharmacology@mcgill.ca](mailto:Admin.pharmacology@mcgill.ca) to the attention of Dr. Gerhard Multhaup, Chair, Department of Pharmacology and Therapeutics.

*McGill University is committed to diversity and equity in employment. It welcomes applications from indigenous peoples, visible minorities, ethnic minorities, persons with disabilities, women, persons of minority sexual orientations and gender identities and others who may contribute to further diversification. All qualified applicants are encouraged to apply; however, Canadians and permanent residents will be given priority.*