

2013 WEEKLY BULLETIN
DEPARTMENT OF CHEMISTRY, NORTHWESTERN UNIVERSITY
EVANSTON, ILLINOIS
September 9, 2013

No events scheduled this week.

Save the date:

ACS Ipatieff Lecture on Friday, September 20
Melanie Sanford, University of Michigan
4 pm, Tech LR3

For full schedule, including Center events, please see the Department Calendar:
<http://www.chemistry.northwestern.edu/events/calendar.html>

Arrivals

Junling Sun joined the Stoddart group.
Dongyang Chen joined the Stoddart group.
Zhuang Xie joined the Mirkin group.

Opportunities

Lehigh University invites applications for two tenure-track assistant professors in the fields of organic chemistry (synthetic methods) and experimental physical chemistry (bio-inspired materials, surface chemistry, catalysis, and energy). Candidates must have a Ph.D. with demonstrated scholarship and research achievements, and postdoctoral experience is preferred. Applications for these positions should be submitted electronically at:

<https://academicjobsonline.org/ajo/jobs/2971> (organic) or
<https://academicjobsonline.org/ajo/jobs/2972> (physical).

The University has strongly committed to the expansion of the Chemistry Department and has invested considerable resources, such as generous start-up funding for new faculty, major renovations of the research infrastructure, and the opening of a new interdisciplinary science building. Beyond the Chemistry Department, Lehigh also has strong interdisciplinary and interdepartmental programs, which contribute to a vibrant research environment and provide opportunities for faculty members, particularly those early in their careers.

The Department of Chemistry at Southern Methodist University (SMU), Dallas, Texas offers a tenure-track Assistant Professor position in INORGANIC CHEMISTRY starting August 1, 2014. Position No. 50554 (Jeskey Chair in Chemistry). Applicants must have a Ph.D. in Chemistry. The department has recently renovated its laboratory and teaching space and is entering a period of sustained growth. Successful candidates are expected to contribute to the continued expansion of the Ph.D. program and must have a strong commitment to research and teaching at the undergraduate and graduate level, including advanced laboratory courses and modern inorganic chemistry. The candidate will establish a high impact research program in an area of inorganic chemistry including, but not limited to materials, bioinorganic, or organometallic chemistry. Visit www.smu.edu/chemistry for additional information on the department. Send a letter of application highlighting the candidate's qualifications, a complete curriculum vitae, detailed outline of research plans, and a statement on teaching philosophy as a single pdf file by e-mail to: laurieann@smu.edu. Applicants should arrange to have at least three letters of recommendation sent directly to the above-mentioned e-mail address. Review of applications will begin on October 1, 2013 but applications will be accepted until the position is filled. With an enrollment of approximately 11,000 students, SMU is a private university located in the heart of the Dallas/Fort Worth Metroplex. SMU will not discriminate in any employment practice, education program or educational activity on the basis of race, religion, national origin, sex, age, disability, genetic information, or veteran status. SMU's commitment to equal opportunity includes nondiscrimination on the basis of sexual orientation and gender identity and expression. Hiring is contingent upon the satisfactory completion of a background check.

The Department of Chemistry at the University of Virginia, Charlottesville, VA invites applications for a full-time, tenure-track position at the Assistant or Associate Professor level. We are interested in candidates who are developing an internationally recognized research program at the interface of synthetic chemistry with biology, medicine, nanotechnology and/or biomaterials. Candidates may be interested in synergies with UVa centers of excellence such as the UVa Cancer Center, Center for Global Health, Center for Membrane Biology, Keck Imaging Center, Center for Biological Timing, and many more.

A Ph.D. and postdoctoral experience in chemistry or related field is required, as well as a strong record of innovative research and the potential for establishing an active and highly visible research program. In addition to developing external funding to support research endeavors, candidates will be expected to teach at the graduate and undergraduate levels and provide service to the University, Department and professional organizations. Review of applications will begin September 1, 2013 and the position will remain open until filled. The appointment start date will begin August 25, 2014.

To apply, candidates must submit a Candidate Profile through Jobs@UVa (<https://jobs.virginia.edu>) and electronically attach the following: a cover letter, curriculum vitae, a statement of research interests (3 - 5 pages including concise descriptions of proposed research) and the names and contact information for at least three referees.

Questions regarding the application process should be emailed to chembio2013@virginia.edu.

The University will perform background checks on all new faculty hires prior to making a final offer of employment. The College of A&S and the University of Virginia welcome applications from women, minorities, veterans and persons with disabilities; we seek to build a culturally diverse, intellectual environment and are committed to a policy of equal employment opportunity and to the principles of affirmative action in accordance with state and federal laws.

The University of Virginia is an affirmative action/equal opportunity employer committed to diversity, equity, and inclusiveness.

The Food and Drug Administration (FDA) for the Department of Health and Human Services (DHHS), Moffett Research Center of the Institute for Food Safety & Health (IFSH) is seeking a full-time position to serve as an analytical chemist who will participate in a collaborative research program at the IFSH. This person will be appointed to a 2-year fellowship position. The research fellowship program is administered by Oak Ridge Associated Universities. The fellowship does not include benefits.

The participant will be part of a multidisciplinary team involved in developing analytical methods for detecting chemical adulterants and for authenticating food ingredients. Particular areas of desired skill include a strong background in analytical chemistry and proficiency in use of LC-MS-MS and GC-MS. Experience running high resolution accurate mass spectrometers such as Orbitrap or Q-TOF is desired. The candidate must be proficient in handling chromatographs and spectrometers, be able to use tools and knowledge of mechanics and electronics to troubleshoot instruments, and participate in setup and upgrade of existing instrumentation which includes: Thermo Exactive and Q-Exactive High-resolution Mass Spectrometers with Thermo and Dionex UPLC; Waters TQD Triple-quad Mass with Acquity UPLC; Thermo Trace 1300 GC-ISQ Mass Spectrometer. Familiarity in use of FT-IR and NIR is strongly desired. Experience with Excalibur and MassLynx chromatography/spectrometry software a plus. Considerable knowledge of statistics, experimental design and chemometrics is also highly recommended. Candidate must be familiar with using SOPs, maintaining accurate laboratory records and notebooks. Strong academic credentials and experience in food chemistry is a plus. In addition the incumbent must assist in the interpretation and evaluation of the results of analysis to determine validity and scientific significance. Charts and graphs to illustrate the data will be expected to be generated. Excellent verbal and written communication skills are needed.

Position Location: 6502 S. Archer Rd., Bedford Park, IL 60501

Vacancy Job Title: Analytical Chemist

Required Education: M.S. or Ph.D. in analytical chemistry or closely related field

Required Experience: Ph.D.- 0-3 years of experience; M.S- 3-5 years of experience

Salary: Commensurate with education and experience

U.S. Citizenship is required
Closing date: September 15, 2013

DHHS is an Equal Opportunity Employer and has a Smoke-Free Workplace.

Contacts:

Joseph E Jablonski: 708-728-4151, joseph.jablonski@fda.hhs.gov
Lauren Jackson: 708-728-4162, lauren.jackson@fda.hhs.gov

The Department of Chemistry at High Point University invites applications for two tenure-track positions in (1.) organic and (2.) biochemistry at the Assistant Professor rank with a start date of August 2014. Teaching responsibilities include introductory chemistry as well as introductory and advanced courses in organic and biochemistry, respectively. In addition, the successful candidate will be expected to develop an active research program involving undergraduates. The department supports degree programs in Chemistry and Biochemistry with a significant number of students preparing for careers in the health professions. The successful applicant will have access to startup and institutional research funds, laboratory, and office space, and will collaborate with faculty on the design of a new science complex scheduled to be completed in 2017. High Point University, recently named the South's number one "up and coming" school is in the midst of an exciting academic and cultural transformation, including the University's launch of new programs in the health professions. A Ph.D. in organic, biochemistry or a closely related field is required and postdoctoral experience is preferred. To apply send a letter of application, curriculum vitae, statements of teaching philosophy and research interests, and three letters of recommendation to Dr. Brian Augustine, Search Committee Chair, Drawer 19, High Point University, 833 Montlieu Ave., High Point, NC, 27262 or email at baugusti@highpoint.edu. Candidates who have earned the Ph.D. within the past five years should also provide undergraduate and graduate transcripts (copies of official transcripts are acceptable). Review of applicants will begin on October 21. High Point University is an equal opportunity employer.

City Colleges of Chicago has teaching opportunities for the current semester:

- (1) Harold Washington College (HWC) needs an adjunct faculty member to teach Geosciences with Lab for non-majors on Monday and Wednesday afternoons from 3pm-5:15pm. The qualifications to teach are a Masters Degree or higher in chemistry, geology, physics, or a related physical science. Pay is commensurate with experience. Adjunct faculty will be mentored by full-time HWC faculty members and get valuable experience in the classroom. HWC is located in the Chicago Loop, next to the red line stop at State and Lake.
- (2) Truman College (TRC) needs an adjunct faculty member to teach General Chemistry 1 with Lab on Tuesday and Thursday mornings from 8:30am-12:20pm. The qualifications to teach are a Masters Degree or higher in chemistry. Pay is commensurate with experience. Adjunct faculty will be mentored by full-time TRC faculty members and get valuable experience in the classroom. TRC is located in Uptown, next to the red line stop at Wilson Ave.

If you are interested in either position, send your CV to Dr. Thomas Higgins (NU '97, tbhiggins@ccc.edu) and Joy Walker (jwalker@ccc.edu).

The Johns Hopkins University Applied Physics Laboratory (JHU/APL) is currently seeking a postdoctoral fellow in support of ongoing chemistry research efforts. The successful candidate must have a Ph.D. in inorganic or organic chemistry with extensive synthetic experience. Experience should include air free synthesis, and NMR, fluorescence, FTIR, GC-MS and UV-vis spectroscopy. Large-scale synthetic and process chemistry experience is desirable. The candidate must demonstrate strong oral and written communication skills accompanied by good organizational skills. A candidate must have excellent interpersonal skills and be able to work independently. The applicant selected will be subject to a government security clearance investigation and must meet the requirements for access to classified information. Eligibility requirements include U.S. Citizenship. This is a one-year term position with the possibility of renewal for a second year and the offer of a permanent position. Johns Hopkins University Applied Physics Laboratory is an equal opportunity/affirmative action employer that complies with Title IX of the Education Amendments Acts of 1972, as well as other applicable laws, and values diversity in its workforce.

To apply for the position, please visit <http://www.jhuapl.edu/employment/default.asp>, Click the *Experienced Professionals* tab and under *Job Number* enter 04563.

The Midwest Chapter of the Society of Cosmetic Chemists (MWSCC) offers multiple \$1,000 scholarships to undergraduate or graduate students exhibiting excellence in either course work or research in the fields of chemistry, biology, cosmetic, pharmaceutical or allied sciences. Application instructions can be found here: <http://www.midwestscc.org/scholarship/>

The application deadline is October 15, 2013.

2014 Alfred P. Sloan Foundation Research Fellowships

For more information, visit: <http://www.sloan.org/sloan-research-fellowships/>

Deadline to apply is September 16.

The National Research Council of the National Academies sponsors a number of awards for graduate, postdoctoral and senior researchers at [participating federal laboratories and affiliated institutions](#). These awards include generous stipends ranging from \$42,000 - \$80,000 per year for recent Ph.D. recipients, and higher for additional experience. [Graduate](#) entry level stipends begin at \$30,000. These awards provide the opportunity for recipients to do independent research in some of the best-equipped and staffed laboratories in the U.S. Research opportunities are open to U.S. citizens, permanent residents, and for some of the laboratories, foreign nationals.

Detailed program information, including online applications, instructions on [how to apply](#) and a [list of participating laboratories](#), is available on the NRC Research Associateship Programs [Website](#) (see link above).

Questions should be directed to the NRC at 202-334-2760 (phone) or rap@nas.edu.

There are four annual review cycles.

Review Cycle: August; Opens June 1; Closes August 1

Review Cycle: November; Opens September 1; Closes November 1

Review Cycle: February; Opens December 1; Closes February 1

Review Cycle: May; Opens March 1; Closes May 1

Applicants should contact prospective Adviser(s) at the lab(s) prior to the application deadline to discuss their research interests and funding opportunities.

More detailed information and an online application can be found at www.nationalacademies.org/rap.