

2013 WEEKLY BULLETIN
DEPARTMENT OF CHEMISTRY, NORTHWESTERN UNIVERSITY
EVANSTON, ILLINOIS
September 16, 2013

Tuesday, September 17: *Dow Information Session*
4-6 pm, Tech K140

Thursday, September 19: *PPG Information Session*
5-6:30 pm, Tech K140

Friday, September 20: *ACS Ipatieff Lecture*
Melanie Sanford, University of Michigan
4-5 pm, Tech LR3

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

Arrivals

Mohammad Beyzavi joined the Hupp group.

Opportunities

SUNY Buffalo invites applications for an Assistant Professor faculty position in the Department of Chemistry. The successful candidate will participate in the teaching of general chemistry, inorganic chemistry and materials science courses for the chemistry and medicinal chemistry degree programs (BA,BS,MA,MS,PhD). The Assistant Professor is expected to develop a vigorous, funded research program in the area of experimental materials chemistry or molecular inorganic chemistry related to energy applications, broadly defined, to be committed to undergraduate and graduate education, and to serve the department, university and discipline. Link to application: https://www.ubjobs.buffalo.edu/applicants/jsp/shared/position/JobDetails_css.jsp

Minimum Qualifications:

The successful candidate will have a Ph.D. in chemistry or related area and an active record of publications and presentations at scientific conferences. The candidate is expected to be dedicated to undergraduate and graduate education.

Preferred Qualifications:

More than one year postdoctoral research experience is preferable.

Special Instructions to Applicants:

Applicants should upload their application package (in PDF format) to www.UBJobs.buffalo.edu, including: a cover letter, Curriculum Vitae, teaching statement, research proposals (ten page limit), and names and contact information (including addresses, email addresses and phone numbers) for three references. References will be contacted with a request to submit letters online at www.UBJobs.buffalo.edu.

Contact Information:

Dr. Sarbajit Banerjee
Associate Professor
sb244@buffalo.edu
716-645-4140

The University of Texas at Austin The McKetta Department of Chemical Engineering seeks outstanding applicants for tenure track faculty positions at the Assistant Professor level.

A Ph.D. is required and applicants must have an outstanding record of research accomplishments and a strong interest in undergraduate and graduate teaching.

There are two potential faculty positions available. For the first, researchers with interests in advanced materials for energy sciences, bioprocessing, or the discovery and delivery of therapeutics are encouraged to apply. For the second, researchers with interests in catalysis for energy storage and generation, sustainable chemical feedstocks and fuels, or materials for water purification are sought.

Applications from women and minorities are especially encouraged. A successful candidate is expected to teach chemical engineering undergraduate and graduate courses, develop a leading sponsored research program, collaborate with other faculty, and participate actively in service to the university and the profession.

Interested persons should submit in *electronic form as a single PDF document* a detailed curriculum vitae including academic and professional experience, statements regarding their teaching philosophy and research plans, a list of peer-reviewed publications and other technical papers. Applicants should also provide the names, address and telephone numbers of three or more references.

The [online application](http://www.che.utexas.edu/facultyapplication) form can be found at <http://www.che.utexas.edu/facultyapplication>.

Please apply by **November 22, 2013** for primary consideration; however the positions will remain open until filled. A security sensitive background check will be conducted on selected applicants. The University of Texas is an Equal Opportunity/Affirmative Action Employer.

The Hope College Chemistry Department invites applications for an annually-renewable faculty position (First-Year Chemistry Laboratory Instructor and Coordinator Position) to begin in Fall 2014. Candidates should either have completed a Ph.D. in chemical education or chemistry and/or have extensive experience teaching general chemistry laboratory courses. Primary responsibilities will be teaching three 3 hour/week lab sections each semester and serving as the coordinator for the first-year lab courses. Development of an externally-funded research program is not an expectation, though it will be possible. Carrying out curricular development and assessment efforts would be considered strengths.

To apply, compile the following materials, in order, into a single PDF file: a cover letter; curriculum vitae; and statement of teaching experience, philosophy, and competencies. Upload this PDF file through the Faculty Positions link at www.hope.edu/employment. A review of all completed applications will begin October 1. In mid-October a subset of candidates will be asked to submit original graduate and undergraduate transcripts, three letters of recommendation, and a statement describing their commitment to the mission of the college.

Hope College is a Christian coeducational, residential liberal arts undergraduate college affiliated with the Reformed Church in America; has over 3,000 students and approximately 250 FTE faculty; is a member of the Great Lakes Colleges Association; and is accredited by NCA, ACS, NASAD, NASD, NASM, NAST, CCNE, CSWE, EAC of ABET, TEAC and CAATE. The college is located in Holland, Michigan, an attractive city of 35,000 near the shores of Lake Michigan, enriched by a significant Latino population and growing Asian and African American populations in a rapidly growing urban area of over 100,000, within short driving distance of Grand Rapids and relatively close to Ann Arbor and Chicago. The mission of Hope College is to educate students for lives of leadership and service in a global society through academic and co-curricular programs of recognized excellence in the liberal arts and in the context of the historic Christian faith. Additional information about Hope College can be found on the web at www.hope.edu.

Hope College places a high priority on sustaining a supportive environment that recognizes the importance of having a diverse faculty and staff in order to best prepare our students for successful careers in our multi-cultural nation and global community. Applications from persons with diverse backgrounds and cultures, including women and persons of color, are especially welcomed. Hope College complies with federal and state requirements for nondiscrimination in employment.

University of Wisconsin-Green Bay is accepting applications for a tenure-track organic chemistry position. First and foremost, we are looking for someone that has a solid knowledge of organic chemistry and is comfortable teaching our organic chemistry courses. Second, we would love it if the candidate had an environmental research focus – either related to organic compounds in air, water, or soil, or in the general area of green chemistry. While this is not absolutely required, it is highly preferred to fit with the environmental focus of our department and our university.

Here's a link to our position description: <http://www.uwgb.edu/hr/jobs/position896.html>

New Mexico State University

Department: Chemistry and Biochemistry - Req#2013000874

Position Title: Assistant Professor (2013000874)

Posting #: 2013000874

Tenure Track

Rank: Assistant Professor

Date Position Advertised:

May 22, 2013

Salary: Commensurate with education and experience

Qualifications: Ph.D. in Chemistry or related area and postdoctoral experience.

Examples of Duties: Establishing a nationally recognized, externally funded (NIH, NSF, USDA, DOD, etc.) research program, participating in graduate and undergraduate student training, and teaching core courses at the undergraduate and graduate levels in Chemistry. Position to begin August 2014.

Benefits Offered: Group medical and hospital insurance, group life insurance, long-term disability insurance, state educational retirement, workers' compensation, sick leave, annual leave and unemployment compensation. Opportunity for educational advancement. Nine month faculty- not eligible for annual and sick leave.

Special Conditions: All offers of employment, oral and written, are contingent on the university's verification of credentials, individual's eligibility for employment in the United States and other information required by federal law, state law, and NMSU policies/procedures, and may include the completion of a criminal history check. Offer of employment is contingent upon verification of individual's eligibility for employment in the United States. NMSU is a public, land grant, minority-serving institution recognized by the Carnegie Foundation as a RU/H (Research University with high research activity) institution. For more information see <http://www.chemistry.nmsu.edu/>

Reply to/Deadline for Applications:

Review of applications will begin on October 15, 2013 and continue until position is filled.

Submit a cover letter, CV, unofficial transcripts, a brief description of research accomplishments and proposed research, a statement of teaching philosophy and arrange to have 3 letters of reference sent directly to-
Inorganic Faculty Search Committee

Department of Chemistry and Biochemistry

New Mexico State University

PO Box 30001, MSC 3C

1175 N. Horseshoe Drive

Las Cruces, NM 88003-8001

chembche@nmsu.edu (Reference the specific requisition number, and send documents as a single PDF)

Colgate University invites applications for an Assistant Professor in Sustainable Technology and Design.

The Environmental Studies Program and the Department of Physics and Astronomy at Colgate University invite applications for a tenure-stream position in the field of Sustainable Technology and Design at the rank of Assistant Professor, beginning in the fall semester 2014. Completion of the Ph.D. in physics, engineering, sustainability studies, or a related field is expected prior to or shortly after the date of hire. The successful candidate will establish an international fieldwork program, preferably in a region of the developing world, and will involve undergraduates in projects that utilize appropriate science or technology to foster human welfare and sustainable development. Start-up funding is available to initiate the successful candidate's research program. Teaching responsibilities will include courses in both physics and environmental studies including an introductory environmental studies course on the relationship between science, technology, and sustainability.

All Colgate faculty are expected to participate in all-university programs, including the Liberal Arts Core Curriculum. Colgate's off-campus study program, which includes both semester-long study abroad and 3-5 week extended study courses, can provide a channel for involving students in international field work. Colgate is a highly selective liberal arts university of 2800 students situated in a picturesque village in central New York. The physics and astronomy department has nine faculty members and maintains well-equipped research laboratories in quantum and optical physics, condensed matter physics, biophysics, meteorite analysis, and observational astronomy (see <http://www.colgate.edu/academics/departments-and-programs/physics-astronomy>). The Environmental Studies Program is an interdisciplinary program involving faculty from departments including biology, economics, geography, geology, philosophy, and sociology and anthropology, along with many other affiliated faculty (see <http://www.colgate.edu/academics/departments-and-programs/environmental-studies>). Both programs are housed in the new Ho Interdisciplinary Science Center that is configured to facilitate interdisciplinary teaching and research. The university is committed to advancing sustainability and achieving climate neutrality by 2019 (see <http://www.colgate.edu/distinctlycolgate/sustainability>).

Candidates should submit a curriculum vitae along with statements of research and teaching interests, including a plan for involving undergraduates in field work. The CV should include a publication list and the names of three individuals who have been asked by the candidate to submit letters of recommendation. An additional letter can be submitted if needed to address the candidate's teaching qualifications. All materials should be submitted through <https://academicjobsonline.org/ajo/jobs/3090>. Review of applications will begin October 28, 2013, and continue until the position is filled. Applicants with dual-career considerations can find postings of other employment opportunities at Colgate and at other institutions of higher education in upstate New York at www.upstatenyherc.org. Developing and sustaining a diverse faculty, staff, and student body further the University's educational mission. Colgate is an Equal Opportunity/Affirmative Action Employer; women and minorities are especially encouraged to apply.

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 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.