

2014 WEEKLY BULLETIN
DEPARTMENT OF CHEMISTRY, NORTHWESTERN UNIVERSITY
EVANSTON, ILLINOIS
September 1, 2014

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

BIP

Meets every Friday at 3:00pm in Tech K140

Arrivals

Paula Mayorga joined the Marks/Facchetti Group

Opportunities

The Department of Chemistry at the University at Buffalo invites applications for a tenure-track faculty position in organic/inorganic chemistry at the Assistant Professor level. Preference will be given to applicants with research interests in any of the following experimental areas: development of new synthetic methods, bioorganic chemistry, organometallic chemistry, bioinorganic chemistry or the synthesis of organic- and/or bio-inspired materials. Use of sustainability concepts, where appropriate, is encouraged. Applicants must have a Ph.D. in chemistry (or a closely related field) with the appropriate experience to vigorously pursue their chosen area of research. The potential to engage in collaborative research is desirable. An assistant professor is expected to develop a vigorous, externally funded research program, to be committed to teaching at undergraduate and graduate levels, to mentor students, and to serve the department, university, and discipline.

Applicants should upload their application package (in PDF format) to

<https://www.ubjobs.buffalo.edu/applicants/Central?quickFind=57368> including: a cover letter, Curriculum Vitae, teaching statement, research proposals (5 page limit), and names and contact information (including address, email, phone numbers) for three references. References will be contacted with a request to submit letters online at www.UBJobs.buffalo.edu

Review of applications will begin on October 1, 2014 and continue until the position is filled. Questions may be addressed to ioresearch@buffalo.edu.

The University at Buffalo is an Affirmative Action / Equal Opportunity Employer and in keeping with our commitment, encourages women, minorities, persons with disabilities and veterans to apply

The Department of Chemistry at the University California, Davis invites applications for a Lecturer with Potential for Security of Employment (PSOE) (which parallels the position of an assistant professor on track for tenure) or Lecturer with Security of Employment (SOE) (which parallels a tenured professorial appointment). The primary focus of this position is coordination and academic integration of the courses and laboratories within the undergraduate curriculum in chemistry, with a preference for the first year chemistry sequence.

- PSOE candidates should possess a Ph.D. in chemistry or equivalent field, a proven record of excellence in teaching, and the intent to pursue creative activities.
- SOE candidates should possess a Ph.D. in chemistry or equivalent field, an extensive proven record of excellence in teaching, and documented creative activities.

All candidates should possess innovative ideas for instructional initiatives and familiarity with existing learning assessment methodologies and pedagogies.

As a member of the Academic Senate, the successful candidate will be a primary resource for undergraduate curriculum development and will participate in university and departmental committees as needed for effective teaching and safety enforcement. The successful candidate will collaborate with faculty conducting chemical education research, provide coordination for evidence-based teaching methods and be a resource for innovative teaching practices.

Further information on the Department is found at: <http://chemistry.ucdavis.edu/>. The deadline for full consideration is October 1, 2014. Applications should be submitted here:

<https://recruit.ucdavis.edu/apply/JPF00330>. The University of California is an affirmative action/equal opportunity employer.

Please contact Delmar Larsen (dlarsen@ucdavis.edu) if additional information regarding this position is desired.

The Department of Chemistry in the Division of Mathematical and Physical Sciences and the Department of Biochemistry & Molecular Medicine in the School of Medicine seek to fill a joint tenured or tenure-track professorial position in the area of Chemical Biology involving research in biological chemistry that can translate into biomedical research applications.

Candidates must possess the degree of PhD, MD/PhD or equivalent and show exceptional scientific creativity and productivity. The successful *tenured* candidate will be expected to maintain a high quality extramurally funded research program, demonstrate excellence in the teaching of graduate, undergraduate, and medical students, and possess a strong commitment to providing service to the department, university, and professional communities. The successful *tenure-track* candidate will be expected to demonstrate interest, and the potential to achieve such a record, in the areas of research, teaching and service.

Fields of particular interest include but are not limited to molecular imaging, theranostics, and new chemistry for biomedical science.

Further information on the Chemistry Department is linked at: <http://chemistry.ucdavis.edu/>

Interested candidates should upload a cover letter, curriculum vitae, names and addresses of three references, statement of research and a statement of teaching to: <https://recruit.ucdavis.edu/apply/JPF00334>

This position will be "Open Until Filled", but for full consideration applications should be completed by October 31, 2014. The University of California is an Equal Opportunity/Affirmative Action Employer.

The Hope College Chemistry Department invites applications for a tenure-track position at the Assistant Professor level to begin in Fall 2015. Candidates must have a Ph.D. and postdoctoral experience in biochemistry and/or chemistry. Primary teaching responsibilities will be in the biochemistry and organic chemistry programs. The Chemistry Department (www.hope.edu/academic/chemistry) is a national leader in undergraduate research. The development of a strong, externally-funded, experimental research program involving undergraduate students is expected. Start-up funds will be provided.

Please submit a cover letter, curriculum vitae, description of research plans, and statement of teaching philosophy and competencies to Dr. Jeffrey B. Johnson, Search Committee Chair. All materials are to be submitted electronically to www.hope.edu/employment/faculty. A review of all completed applications will begin October 1. A subset of candidates will be asked to submit original undergraduate and graduate transcripts, three letters of recommendation, and a statement describing their fit to the mission of Hope College in mid-October.

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; is accredited by NCA, ACS, ASBMB, 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 Holland, Hope College, and the Chemistry Department can be found at www.hope.edu/academic/chemistry/openings/bio-organic.pdf.

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, therefore, welcomed. Hope College complies with federal and state requirements for nondiscrimination in employment.

The Bowdoin College Chemistry Department and Biochemistry Program seek applicants for an appointment in physical biochemistry / biophysical chemistry (broadly defined) beginning Fall 2015. A Ph.D. in chemistry, biochemistry or a related field is required. The tenure track or tenured joint appointment to Chemistry and Biochemistry will be made at the Assistant, advanced Assistant or Associate professor level, depending on qualifications and experience.

The teaching load is three courses per year, which includes responsibility for teaching a thermodynamics course appropriate for chemistry and biochemistry majors. Other courses will include contributions at the introductory level and courses at any level that will contribute to the curricula of the chemistry and biochemistry majors. Full-time laboratory instructor support is provided for most courses. The successful candidate must possess a strong commitment to undergraduate education and demonstrate the potential to develop a funded, active, and productive research program that involves undergraduates, especially those interested in biochemistry.

Bowdoin College accepts only electronic submissions. Please visit <https://careers.bowdoin.edu> to submit a cover letter, curriculum vitae, a statement of research plans, a statement on teaching philosophy and contact information for three people to provide letters of recommendation.

Review of applications, including letters of recommendation, will begin October 6, 2014.

A highly selective liberal arts college on the Maine coast with a diverse student body made up of 31% students of color, 5% international students and approximately 15% first generation college students, Bowdoin College is committed to equality and diversity and is an equal opportunity employer. We encourage inquiries from candidates who will enrich and contribute to the cultural, socio-economic, and ethnic diversity of our college. Bowdoin College does not discriminate on the basis of age, race, creed, color, religion, marital status, gender, sexual orientation, veteran status, national origin, or disability status in employment, or in our education programs.

Bowdoin College offers strong support for faculty research and teaching. We recognize that recruiting and retaining faculty may involve considerations of spouses and domestic partners. To that end, where possible, the College will attempt to accommodate and respond creatively to the needs of spouses and partners of members of the faculty. For further information about the College please visit our website: <http://www.bowdoin.edu/chemistry>.

Elon University and the Department of Chemistry invite applicants for a tenure-track Assistant Professor position in Inorganic Chemistry beginning August 2015. The position is opened for all areas of Inorganic Chemistry, but seeks candidates whose interests include bioinorganic, organometallics, materials or nanotechnology. A Ph.D. in Inorganic Chemistry or closely-related area is required and post-doctoral

experience is preferred. Successful candidates must demonstrate the potential for excellence in undergraduate teaching and the commitment to sustained research involving undergraduate students. Teaching responsibilities include Inorganic Chemistry, General Chemistry I and II, and the associated lab courses along with the development of courses for non-majors. Additional upper-level elective courses may be possible depending on faculty expertise. Further, all tenure-track faculty members are expected to contribute to Elon's Core Curriculum. Elon is a dynamic private, co-educational, comprehensive institution that is a national model for actively engaging faculty and students in teaching and learning. To learn more about Elon, please visit us at www.elon.edu

Candidates must submit a PDF file via email to include the following documents for full consideration:

- A statement of interest in the position
- A complete curriculum vitae
- A summary (one page) of proposed research
- Detailed description of planned research (< 5 pages) with instrument needs and plans to include undergraduates
- A statement of teaching philosophy
- Unofficial undergraduate and graduate transcripts

Send the above information and three letters of recommendation to: Dr. Daniel Wright, Chemistry Search Chair, at ChemInorganic@elon.edu, including your full name in the subject field. Review of completed applications will begin October 15, 2014, and will continue until position is filled. Elon University is an equal opportunity employer committed to a diverse faculty, staff and student body.

Department of Chemistry at DePaul University is accepting applications for adjunct faculty positions to teach two lab sections for the autumn quarter. Please contact Linhua Jin, Associate Professor and Chair, Department of Chemistry, DePaul University – Chicago ljin1@depaul.edu

The Department of Chemistry at the University at Buffalo (UB) invites applications for a tenure-track faculty position in analytical/bioanalytical chemistry at the Assistant Professor level to begin in Fall 2015. All areas of analytical/bioanalytical chemistry will be considered; however, areas of preference include those with research interests that complement the current research efforts in the department (www.chemistry.buffalo.edu). An assistant professor is expected to develop a vigorous, externally funded research program, to be committed to teaching at undergraduate and graduate levels, to mentor students, and to serve the department, university, and discipline.

Applicants should upload their application package (in PDF format) to <https://www.ubjobs.buffalo.edu/applicants/Central?quickFind=57342>, including: cover letter, Curriculum Vitae, teaching statement, research proposals (five page limit), and names and contact information (including address, email, phone numbers) for three references. References will be asked to submit letters online at www.UBJobs.buffalo.edu

Review of applications will begin on September 15, 2014 and will continue until the position is filled. Questions may be addressed to achemsch@buffalo.edu.

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Department of Chemistry at the University at Buffalo (UB) invites applications for a tenure-track faculty position in theoretical & computational chemistry at the Assistant Professor level. All relevant research areas will be considered; candidates with interests in materials research, structure and dynamics of bio-organic or bio-inorganic systems, electron dynamics, multi-scale modeling of complex systems down to the quantum level, or development of new electronic structure methods, are particularly encouraged to apply. An assistant professor is expected to develop a vigorous, externally funded research program, to be committed to teaching at undergraduate and graduate levels, to mentor students, and to serve the department, university, and discipline.

Applicants should upload their application package (in PDF format) to <https://www.ubjobs.buffalo.edu/applicants/Central?quickFind=57304> including: cover letter, Curriculum Vitae, teaching statement, research proposals (ten page limit), and names and contact information (including address, email, phone numbers) for three references. References will be asked to submit letters online at www.UBJobs.buffalo.edu

Review of applications will begin on October 1, 2014 and will continue until the position is filled. Questions may be addressed to tcsearch@buffalo.edu

The University at Buffalo is an Affirmative Action/Equal Opportunity Employer/Recruiter (AA/EOE) and encourages women, minorities, and persons with disabilities, and veterans to apply.

New Department of Material Design and Innovation, University at Buffalo, the State University of New York

The University at Buffalo, The State University of New York, is seeking an outstanding researcher and visionary leader to chair the new Department of Material Design and Innovation (MDI). The department is a joint undertaking between the School of Engineering and Applied Sciences (SEAS) and the College of Arts and Sciences (CAS). We invite applications and nominations for the position of Professor and founding Department Chair.

The Chair will lead the Department in the development and implementation of a strategic plan for educational, research, service and engagement programs. The Chair is expected to attract and mentor an interdisciplinary group of new faculty as well as build the Department into a nationally recognized academic unit. The Chair will foster and grow an environment of teamwork and collaboration across disciplinary and decanal areas and with external partners. The Chair will promote the MDI department to government, industry, not-for-profit organizations and academia.

The new Department will build on UB's considerable faculty expertise in material science and engineering, and in computing and informatics, to lead the campus effort in designing new materials. MDI together with the recently announced Center for Excellence in Material Informatics will lead the campus response to national and state needs in materials innovation and advanced manufacturing. MDI will partner with the Computer and Data Science and Engineering initiative in advancing UB's effort related to the White House Materials Genome initiative. As Chair, the candidate will provide strategic and academic leadership at the undergraduate/graduate educational levels, interdisciplinary research areas, service and engagement activities. The Chair is expected to integrate new and existing intellectual and physical resources to grow materials science and engineering research and educational programs across the disciplines. As the Department's chief administrative officer, candidates will provide effective management for all academic, administrative, budget and personnel decisions, as well as the vision and desire to steer the Department through a period of growth and expansion.

As Professor, the selected candidate will be expected to teach courses at the graduate and undergraduate level, mentor graduate students and junior faculty, advise students at all levels and maintain an active research program. An endowed chair was created for the inaugural MDI Department Chair. The selected candidate will

be given this endowed chair position known as the Erich Bloch Chair. Candidates must have a Ph.D. in engineering or science. He/she should have demonstrated expertise in an area of material science and/or engineering. Candidates are expected to have a sustained track record of significant scholarship as evidenced by peer reviewed publications as well as a productive and well-funded program of basic or applied research. He/she should have international stature and recognition commensurate with the rank of Professor. All candidates must have a strong commitment to graduate and undergraduate education.

To apply, please submit a cover letter, curriculum vita, statements of teaching philosophy, statement of research goals and contact information for references via the UB Jobs posting at:
www.ubjobs.buffalo.edu/applicants/Central?quickFind=57222.

Further information on the new department can be found at www.mdi.buffalo.edu

For questions regarding the search, please contact Ms. Laura Dombrowski at lauradom@buffalo.edu

The Department of Chemistry and Biochemistry at New Mexico State University (NMSU), Las Cruces, invites candidates with a Ph.D. in Chemistry or a closely related area to apply for a full-time, nine-month non-tenure-track lecturer position at the College Assistant Professor level (Position #718317) beginning either January 2015 or August 2015. Primary teaching assignments will include general chemistry and undergraduate-level organic chemistry, both lecture and laboratory. Successful candidates must have demonstrated excellence in teaching undergraduate lecture or laboratory courses and be committed to providing quality undergraduate education. Applicants must submit three letters of reference, a cover letter, CV, copy of transcripts with degree posted, statement of professional goals and teaching philosophy, and evidence of teaching effectiveness. 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/>

Applications should be submitted on-line at: <https://jobs.nmsu.edu/> New Mexico State University is an Equal Opportunity/Affirmative Action Employer; Minorities, Females, Veterans, and those with a Disability are encouraged to apply. To begin Searching for Job Openings, please click "Search Jobs" in the left navigation section (Quicklink: <http://jobs.nmsu.edu/postings/18404>). To apply for Job Openings, please create an account by clicking the "Create Account" link. If you need assistance, please contact Human Resource Services at (575) 646-8000.

Review of applications will begin October 1, 2014. NMSU is an Equal Opportunity/Affirmative Action Employer and encourages applications from women and underrepresented minority candidates. All university positions are contingent upon availability of funding. All offers of employment, oral and written, are contingent on the university's verification of credentials and other information required by federal law, state law, and NMSU policies/procedures, and may include the completion of a criminal history check.

Pharmaceutical Sciences group at Merck & Co. Inc has several exciting Sr. Scientist openings. The positions will be located at our Rahway NJ or West Point PA sites. We are seeking talented chemists with backgrounds in analytical, organic, physical organic, organometallic, inorganic, physical, bioanalytical, biophysical or polymer chemistry. In this role, the Sr. Scientist will work in an interdisciplinary team supporting new product development activities. Example activities include:

- Solving challenging drug development problems
- Developing innovative analytical approaches to characterize small molecules and peptides in formulation
- Elucidate drug degradation mechanisms and develop mitigation strategies
- Characterize chemical and physical properties of excipients

- Support a variety of solid oral and parenteral dosage form development from a fundamental chemistry perspective

Interested applicants should send their resume to Yun Mao, PhD, Director, Analytical Sciences, Pharmaceutical Sciences at yun_mao@merck.com.

The Georgia Institute of Technology, School of Chemistry and Biochemistry seeks to fill a tenure-track faculty position in the development of any aspect of chemistry or biochemistry related to feedstocks from renewable and sustainable sources. Research areas of interest include, but are not limited to, functional biomaterials, catalysis, energy harvesting and storage, efficient syntheses and processes, and plant bioengineering and synthetic biology. Opportunities for significant interaction with and support from the Institute for Paper Science and Technology at Georgia Tech (ipst.gatech.edu) will be available. Candidates with interdisciplinary research programs may be considered for joint appointments with other campus units.

Exceptional candidates at all levels are encouraged to apply. Assistant Professor candidates should submit a cover letter, curriculum vitae, description of research plans, description of teaching interests and philosophy, and arrange for the submission of three letters of recommendation. Candidates at advanced levels should submit a cover letter, curriculum vitae, and the names and contact information of three references. All materials and requests for information should be submitted electronically, as per the instructions found at:

<https://academicjobsonline.org/ajo/jobs/4045>

The application deadline is September 15, 2014, with application review continuing until the position is filled. Georgia Tech is an equal education/employment opportunity institution.

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 \$45,000 - \$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.