

2016 WEEKLY BULLETIN
DEPARTMENT OF CHEMISTRY, NORTHWESTERN UNIVERSITY
EVANSTON, ILLINOIS
September 19, 2016

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

Tuesday September 20th: *Faculty Lunch Seminar: Tobin Marks*
Tech K140
12:00-1:00pm

BIP

BIP meets every Friday 10-11:00am in Tech K140

Arrivals

Carlo Berti joined the Mirkin Group
Simone Fabiano joined the Facchetti Group
Jae Woo Park joined the Shiozaki Group

Opportunities

Ithaca College invites applications for a full-time, tenure eligible Assistant Professor position in Chemistry, to begin August 2017. The candidate is expected to establish an active research program in the realm of biochemistry with undergraduates and have a strong commitment to teaching introductory general chemistry and biochemistry classes. <https://ithaca.peopleadmin.com/postings/8581>

Position/Job Qualifications:

Ph.D. in chemistry, biochemistry, biophysical chemistry, or a closely related field is preferred; ABD with anticipated completion of Ph.D. by start date shortly thereafter may be considered. Previous teaching and/or post-doctoral experience desired. Successful candidates will demonstrate an ability to teach in ways that acknowledge and value the varied learning styles and interests of a culturally diverse student population, reflecting a commitment to encouraging the success of all students. We also seek candidates who have relevant experience and/or a record of professional engagement with groups and communities underrepresented in the academy. Candidates from underrepresented groups whose exclusion from the academy has been longstanding are strongly encouraged to apply.

EEO Statement

Ithaca College is committed to building a diverse academic community and encourages members of underrepresented groups to apply. Experience that contributes to the diversity of the college is appreciated.

Instructions for submitting your application:

Interested individuals should apply online at ithaca.edu/jobs, and attach a cover letter, curriculum vita/resume, statement of teaching philosophy, statement of research interests, and scanned copies of undergraduate and graduate transcripts. Under separate cover, three letters of recommendation should be forwarded directly to: Anna Larsen, Chair, Department of Chemistry, Ithaca College, 953 Danby Rd,

Ithaca NY 14850. Questions about the online application should be directed to the Office of Human Resources at (607) 274 8000. Review of applications will begin immediately. To ensure full consideration, complete applications should be received by October 10, 2016.

The Department of Chemistry at Iowa State University seeks candidates for tenure-track Assistant Professor positions in (a) inorganic and (b) theoretical and computational chemistry, both broadly defined. Candidates should have a demonstrated potential for transformative research and excellent classroom teaching. Candidates with expertise complementing those that already exist in chemistry and related departments and who are willing to collaborate are strongly encouraged.

Qualified applicants must have a PhD in chemistry or a closely related discipline, a strong research record, and enthusiasm for teaching undergraduate and graduate chemistry courses. For further information about these positions and to apply online see <http://www.iastatejobs.com>. Inorganic #600167 and Theoretical and/or Computational #600168. The application package should include a cover letter, a CV listing publications, statements of future research plans and interests (max. of 10 pages), and of teaching philosophy (max. of 3 pages), and 3 references. To be given full consideration, applications must be submitted by October 1, 2016.

As part of a major interdisciplinary hiring initiative (las.iastate.edu/faculty-careers) in the College of Liberal Arts and Sciences (www.las.iastate.edu/) at Iowa State University (ISU), a new joint initiative by the Departments of Chemistry and Physics & Astronomy aims to foster and enhance capabilities in mesoscale science. Multiple new hires in the field of Mesoscale Science are planned over the next 2-3 years and should expect to benefit from and contribute to the interaction and collaboration among these and other departments. This mesoscale initiative includes synthesis, characterization, and theoretical understanding of novel functional materials with unique properties controlled by their complex, multi-scale heterogeneous structure. It will build on existing strengths in synthesis of functional nanomaterials, experimental condensed matter physics, and theory & simulation within both departments, and related efforts at the USDOE Ames Laboratory. Candidates with an interest in this area are particularly encouraged to apply.

Iowa State University is an EO/AA employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, gender or gender expression, national origin, disability, or protected Vets status. The University and the LAS College provide an intellectual environment conducive to academic excellence and diversity, offer mentoring programs for new faculty, and are committed to increasing the diversity of the faculty, the student body, and the curriculum.

Iowa State University (www.iastate.edu) is an AAU-member comprehensive, land grant, Carnegie Doctoral/Research Extensive University with an enrollment of over 36,000 students. The university is located in Ames, IA, one of the nation's most highly rated metropolitan areas of its size. ISU is committed to achieving inclusive excellence through a diverse workforce and is dedicated to supporting work-life balance through flexible policies.

The Department of Chemistry (www.chem.umn.edu) at the University of Minnesota – Twin Cities seeks to fill one or more tenure-track or tenured faculty positions beginning July 1, 2017 or later.

Applications will be accepted from candidates whose research interests are in any area of modern chemistry. Appointments will be made at a rank commensurate with the appointee's experience. Appointees will be expected to carry out vigorous programs of original research, to advise research students, to teach a broad range of undergraduate and graduate courses in the Department of Chemistry, and to participate in Departmental and University governance. Selection will be based on each candidate's record of previous accomplishments relevant to these responsibilities and potential for outstanding future contributions.

Appointees must have completed all requirements for the Ph.D. or equivalent foreign degree by the date of appointment. Evaluation of applications will begin October 1, 2016 and will continue until the positions are filled. Candidates should apply online at <http://z.umn.edu/tenuretrack2016> (tenure-track) or <http://z.umn.edu/tenured2016> (tenured) and include: cover letter, curriculum vitae, statement of research interests, statement on anticipated contributions to the teaching mission, brief statement on the ability to contribute to the department's commitment to diversity, and copies of undergraduate and graduate transcripts.

Candidates should also arrange to have three letters of recommendation sent as attachments to emails to chemfs@umn.edu or as hard copies to: Faculty Search Committee, Department of Chemistry, University of Minnesota, 207 Pleasant St. SE, Minneapolis, MN, 55455-0431. The University of Minnesota provides equal access to and opportunity in its programs, facilities, and employment without regard to race, color, creed, religion, national origin, gender, age, marital status, disability, public assistance status, veteran status, sexual orientation, gender identity, or gender expression.

The Chemistry Department of Johns Hopkins University, Baltimore, Maryland

(www.chemistry.jhu.edu) invites applications from outstanding individuals for two tenure-track faculty positions to begin July 1, 2017. Candidates in all areas of chemistry are encouraged to apply; for one of the positions applicants with a focus in biological chemistry broadly defined are of particular interest. Applicants at the Assistant and Associate Professor level are preferred but exceptional candidates at the Full Professor level will be considered. Applicants should submit a curriculum vitae, a statement of teaching interests and philosophy, and a description of research plans through Interfolio (<http://apply.interfolio.com/36258>). Evaluation of applications will begin on October 17, 2016. Applicants should send requests for recommendation letters from their Interfolio account to their three references. For questions about Interfolio, call (887) 997-8807 or email help@interfolio.com. Johns Hopkins University is committed to active recruitment of a diverse faculty and student body. The University is an Affirmative Action/Equal Opportunity Employer of women, minorities, protected veterans and individuals with disabilities and encourages applications from these and other protected group members. Consistent with the University's goals of achieving excellence in all areas, we will assess the comprehensive qualifications of each applicant.

The Department of Biochemistry at the University of California, Riverside invites applications for a new tenure-track faculty position at the Assistant Professor level in any area of epigenetics but with an emphasis in understanding epigenetic mechanisms in vivo and their roles in human diseases. Areas of particular interest include (but are not limited to) epigenetic modifications in cancer, the intersection of metabolism and epigenetics, epigenetic mechanisms in stem cell biology, mammalian development, and/or aging. The position will build on existing campus strengths in genomics and epigenetics in different model organisms, including faculty with expertise in structural, molecular, and cellular biology who study epigenetic coregulators and modifications of chromatin structure, non-coding RNAs, transcription regulation, or DNA repair in the context of metabolism, stem cell biology, cancer, neuroscience and aging.

The successful candidate will have a record of original research accomplishments in epigenetics and is expected to have expertise in the use of animal models, including genetically modified animals, to study epigenetic mechanisms during normal development and/or in disease. The successful candidate will have had some experience in grant writing and will be expected to develop a vigorous, independent, and internationally recognized research program that is able to attract extramural funding; s/he will also develop and teach graduate and undergraduate courses, advise and mentor graduate and undergraduate students, and engage in service activities. A competitive start-up package will be provided, with salary commensurate with education and experience. The position is available July 1, 2017. A Ph.D., M.D., or equivalent degree in biochemistry, molecular, or cellular biology, or a related field is required, as well as

postdoctoral experience. Interested individuals should send a cover letter, a full curriculum vitae, a description of proposed research, a statement of teaching philosophy, statement of contributions to diversity, and arrange for at least three letters of reference to be provided. Application materials must be submitted through <http://aprecruit.ucr.edu/apply/JPF00635> . Review of applications will begin on October 7, 2016. Applications will be accepted until the position is filled. Advancement through the faculty ranks at the University of California is through a series of structured, merit-based evaluations, occurring every 2-3 years, each of which includes substantial peer input.

For more information about the position, please contact Dr. Ernest Martinez, Department of Biochemistry, University of California, Riverside; (ernest.martinez@ucr.edu) . For questions on application procedures and requirements, please contact Margi Burnett, Academic Personal, at margi.burnett@ucr.edu . Additional information about the Department of Biochemistry can be found at: <http://biochemistry.ucr.edu> , and for the campus, visit <http://www.ucr.edu>.

UCR is a world-class research university with an exceptionally diverse undergraduate student body. Its mission is explicitly linked to providing routes to educational success for underrepresented and first-generation college students. A commitment to this mission is a preferred qualification.

The Department of Chemistry at Colorado State University, located in Fort Collins, CO, seeks to hire at least one tenure-track faculty member. While exceptional candidates from all areas of chemical science are encouraged to apply, those with research interests in organic chemistry or chemical biology are of particular interest.*

We aim to fill this position at the Assistant Professor level, but will consider exceptional candidates at the Associate Professor rank. Candidates must hold a Ph.D. or equivalent degree and be capable of outstanding teaching, scholarship, and research. Postdoctoral experience is highly desirable. Complete applications must include a detailed CV, descriptions of research plans and teaching interests, and the names of at least three references.

For more information or to apply see <http://jobs.colostate.edu/postings/36544>. Questions regarding the searches should be directed to Chair, Faculty Search Committee, CHEM_search_b@mail.colostate.edu. Applications will be accepted until the positions are filled; applications completed by 11:59 PM (MT) on September 30, 2016 will receive full consideration. Files of semifinalists (including reference letters) will be available to all Chemistry Department regular faculty.

*Note: this is one of three ongoing junior-level searches in the Department, collectively encompassing all areas of chemistry. See <http://www.chem.colostate.edu> for more information. CSU is an EO/EA/AA employer and conducts background checks on all final candidates.

The Department of Chemistry at Colorado State University, located in Fort Collins, CO, seeks to hire at least one tenure-track faculty member; exceptional candidates from all areas of chemical science are encouraged to apply. *

We aim to fill the position(s) at the Assistant Professor level, but will consider exceptional candidates at the Associate Professor rank. Candidates must hold a Ph.D. or equivalent degree and be capable of outstanding teaching, scholarship, and research. Postdoctoral experience is highly desirable. Complete applications must include a detailed CV, descriptions of research plans and teaching interests, and the names of at least three references.

For more information or to apply see <http://jobs.colostate.edu/postings/36614>. Questions regarding this search should be directed to the Chair of the Open-Area Faculty Search Committee, CHEM_search@mail.colostate.edu . Applications will be accepted until the positions are filled;

applications completed by 11:59 PM (MT) on November 1, 2016 will receive full consideration. Files of semifinalists, including reference letters, will be made available to all Chemistry Department regular faculty.

*Note: this is one of three ongoing junior-level searches in the Department, collectively encompassing all areas of chemistry. See <http://www.chem.colostate.edu> for more information.

CSU is an EO/EA/AA employer and conducts background checks on all final candidates.

The Department of Chemistry at Colorado State University, located in Fort Collins, CO, seeks to hire at least one tenure-track faculty member. While exceptional candidates from all areas of chemical science are encouraged to apply, those with research interests in soft materials are of particular interest.*

We aim to fill this position at the Assistant Professor level, but will consider exceptional candidates at the Associate Professor rank. Candidates must hold a Ph.D. or equivalent degree and be capable of outstanding teaching, scholarship, and research. Postdoctoral experience is highly desirable. Complete applications must include a detailed CV, descriptions of research plans and teaching interests, and the names of at least three references.

For more information or to apply see <http://jobs.colostate.edu/postings/36719>. Questions regarding the searches should be directed to Chair, Faculty Search Committee, CHEM_search_a@mail.colostate.edu. Applications will be accepted until the positions are filled; applications completed by 11:59 PM (MT) on October 3, 2016 will receive full consideration. Files of semifinalists (including reference letters) will be available to all Chemistry Department regular faculty.

*Note: this is one of three ongoing junior-level searches in the Department, collectively encompassing all areas of chemistry. See <http://www.chem.colostate.edu> for more information.

CSU is an EO/EA/AA employer and conducts background checks on all final candidates

The Department of Chemistry and Biochemistry at Santa Clara University is seeking a tenure-track assistant professor beginning Fall 2017 (pending availability of funding). Santa Clara University is a highly ranked Jesuit Catholic university with an ACS-approved undergraduate program and located in Silicon Valley. The successful candidate is expected to establish an externally funded and productive undergraduate research program in experimental biochemistry, contribute to departmental research and teaching objectives, and demonstrate the ability to teach biochemistry and general chemistry effectively.

Basic qualifications: A PhD and postdoctoral experience in biochemistry or a closely allied field is required, along with a strong commitment to teaching and undergraduate research. College teaching experience is highly desirable, and experience in teaching a diverse student population is preferred.

More details about the position and the application process can be found at:

<https://jobs.scu.edu/postings/4892>

Additional information on the Department of Chemistry and Biochemistry can be found on our website: <https://www.scu.edu/cas/chemistry/>. Inquiries about this position can be emailed to the search committee at ChemApp@scu.edu.

Application deadline is October 14, 2016.

The Hope College Chemistry Department invites applications for a tenure-track position at the Assistant Professor level to begin in Fall 2017. Primary teaching responsibilities will be in the lecture and laboratory courses in one of Analytical, Inorganic, or Physical chemistry, and in General Chemistry. 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 undergraduates is expected. Start-up funds will be provided.

Qualifications: Candidates must have a Ph.D. and postdoctoral experience in environmental, analytical, inorganic, or physical chemistry.

Application Instructions: Applications are accepted online at www.hope.edu/employment/faculty. As part of the online application, candidates will upload the following documents: a cover letter, curriculum vitae, description of research plans, and statement of teaching philosophy and competencies.

Additionally, please arrange for three confidential letters of recommendation to be sent to jobs@hope.edu.

Applications received by September 23, 2016 will be assured full consideration.

A subset of candidates will be asked to submit official undergraduate and graduate transcripts and a statement describing their fit to the mission of Hope College in September and must be available for a Skype interview.

The Northeastern Section of the American Chemical Society (NESACS) is inviting nominations for its prestigious Gustavus John Esselen Award for Chemistry in the Public Interest. This award is given annually to a chemical scientist, whose scientific and technical work has contributed to the public well-being and has thereby communicated the positive values of the chemical profession. The significance of this work should have become apparent within the five years preceding nomination. The awardee shall be a living resident of the United States or Canada at the time of the nomination.

There is no limitation to the field of chemistry. The selection committee focuses on the general public recognition of the work, as well as its scientific/technical significance.

The Award consists of a bronze medal and the sum of \$5,000. Travel expenses incidental to the conferring of the award will be reimbursed. The award will be presented at the April 2017 meeting of the Section. The Awardee is expected to deliver an address on the subject of the work for which the honor is conferred, or for work in progress which is also directed toward chemistry in the public interest.

Nominations should be submitted as a single pdf file including:

- a letter signed by the primary sponsor with a description of the nominee's work recognized as making a major contribution to the public welfare and as communicating positive values of the chemical profession, plus the names of two co-sponsors;
- short supporting co-sponsor statements;
- the nominee's professional biography including a list of no more than ten of the nominee's publications selected for their pertinence to the work nominated for recognition; and
- copies of popular and technical press news or feature articles indicative of public benefit and interest.

Nominations Are Due October 15, 2016 to karl@amgen.com with cc to JPiperGrady@gmail.com. Award recipients will be notified by February 1, 2017. More information can be found at: http://www.nesacs.org/awards_esselen.html

The Department of Chemistry at Washington University in St. Louis seeks to make a faculty appointment in biochemistry to begin in the fall of 2017. The position is at the assistant-professor level. The duties of the position include conducting research, publishing research results in peer-reviewed journals, applying successfully for extramural research grants, teaching assigned courses, including introductory biochemistry, advising students, performing assigned committee work, and participating in appropriate university service. The development and maintenance of an outstanding research program and excellence in the teaching of core chemistry courses at the undergraduate and graduate levels are required. Candidates must have a Ph.D. or equivalent doctoral degree in the field of chemistry, biochemistry, or a closely related field at the time of appointment.

Applications should consist of a curriculum vitae, one or more concise research proposals, and a brief summary of research accomplishments (one-page limit). These documents are to be submitted in *electronic form* as PDF (portable document format) files to chemsearch@wustl.edu with the following in the subject line: "Biochemistry Position." Applicants should also arrange for three letters of reference to be sent to chemsearch@wustl.edu, with signed originals sent to:

Chemistry Faculty Search Committee
Department of Chemistry, Washington University
One Brookings Drive, Campus Box 1134
St. Louis, MO 63130-4899
[FAX no. (314) 935-4481]

Completed applications for the position must be received by 01 October 2016 to ensure inclusion in the initial review. However, applications received later will also be considered until the search is concluded.

The Georgia Institute of Technology, School of Chemistry and Biochemistry seeks to fill one or more tenure-track faculty positions. Candidates from all areas will be considered, with opportunities for joint appointments in other departments of science and engineering to facilitate interdisciplinary research and scholarship. Exceptional candidates at all levels are encouraged to apply. Candidates for appointment at the assistant professor level should submit an application letter, curriculum vitae, summary of research plans, description of teaching interests and philosophy, and arrange for submission of three letters of reference. Candidates at advanced levels should submit an application letter, curriculum vitae, and a brief description of research plans (particularly if future plans differ significantly from past efforts). All materials and requests for information should be submitted electronically, as per the instructions found at:

<https://academicjobsonline.org/ajo/jobs/7626>

The application deadline is October 1, 2016 with application review continuing until the positions are filled. Georgia Tech is an equal education/employment opportunity institution.

The University of Nevada, Reno Department of Chemistry is seeking candidates to fill a tenure-track position at the Assistant Professor Level in Inorganic Materials Chemistry (i.e. Bio(inspired)-materials, polymer research, soft materials, solid state chemistry, etc). In addition to developing an active research program in inorganic chemistry, the successful candidate will also be expected to contribute to the teaching mission of the University, and therefore must be able to teach undergraduate and graduate courses in the inorganic division. For more information about the department and its programs potential candidates should visit the website at www.unr.edu/chemistry

More information about the position and how to apply can be found at www.unrsearch.com/postings/21505

Application review will begin October 9, 2016.

The Department of Chemistry at Wayne State University will be holding the 18th Annual Chemistry Graduate Research Symposium on October 22nd, 2016.

The symposium is a unique student organized event of graduate students to present their research to fellow students, faculty and the regional scientific community.

This event also serves to introduce new graduate students to cutting edge research in the department and acquaint prospective graduate students and their faculty advisors from regional institutions with our department.

The deadline for submitting a poster abstract in October 1st and the deadline for registration is October 15th. If you would like additional information, the symposium website can be found at www.chem.wayne.edu/symposium

Stanford ChEM-H is an independent institute at Stanford University, formed in partnership with the Schools of Medicine, Humanities and Sciences, and Engineering. More information about the institute can be found on <https://chemh.stanford.edu/>. The Institute is seeking applicants for a tenure-track faculty position at the junior level (Assistant or untenured Associate Professor). Applicants are expected to have earned a Ph.D. or M.D. degree in any discipline of science, engineering or medicine.

We will consider applicants knowledgeable in any frontier area of research at the interface between chemistry, biology, engineering, and medicine. In general, we give higher priority to the overall originality and promise of the candidate's work than to the sub-area of specialization.

The successful candidate will have his/her primary appointment in a department within the School of Medicine, Humanities and Sciences, or Engineering. He/she will be expected to teach and/or perform clinical service within this department in a manner that is consistent with standard practices for tenure-track faculty within that department. The candidate will also be expected to develop a world-class research program in chemical biology. Applicants should be seeking a stimulating interdisciplinary environment in which to pursue teaching and research. We anticipate that the faculty member will develop interactions with faculty not only in his/her home department but also in other departments and Schools at Stanford and at the Stanford Synchrotron Radiation Laboratory.

Applications should be addressed to Professors Justin Du Bois and Chaitan Khosla, Search Committee Co-Chairs, and include a curriculum vitae (including research accomplishments, teaching experience, and publications), a description of future research plans, a teaching statement, and at least three letters of reference. All materials should be submitted online at <https://academicjobsonline.org/ajo/jobs/7456>. To ensure full consideration, applications should be submitted by October 3, 2016. Questions should be addressed to Professors Du Bois and Khosla at chemh_info@stanford.edu.

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, members of minority groups, protected veterans and individuals with disabilities, as well as from others who would bring additional dimensions to the university's research, teaching and clinical missions.

The School of Basic Sciences at EPFL invites applications for a tenure track assistant professor of experimental physics of biological systems in the Institute of Physics.

The successful candidate must demonstrate innovative research interests within biophysics, broadly defined as the investigation of the structure, dynamics and function of biological systems, from molecules to organisms. The open position will be embedded in a collaborative environment of both theoretical and experimental research at the interface between physical and biological sciences. Unique research platforms are available on campus and elsewhere in Switzerland, including the Swiss Light Source/SwissFEL, the Center for Biological Imaging (CIBM), the Center for Micronanotechnology (CMI) and the Center for Electron Microscopy (CIME). The appointed Professor will also enjoy close contacts with the other EPFL Schools, such as Life Sciences, Engineering, as well as the nearby Universities and University Hospitals.

Candidates must hold a PhD in physics or biophysics and possess a strong experimental background as well as an excellent publication record.

The appointee is expected to initiate an independent, creative research program and be committed to excellence in teaching physics at all levels. We offer internationally competitive salaries, benefits, and start-up resources for scientific equipment, as well as annual resources for PhD students, staff and consumables.

Applications including cover letter with a statement of motivation, curriculum vitae, publications list, concise statements of research and teaching interests as well as the names and addresses (including email) of five references should be submitted in pdf format via the website:

<https://academicjobsonline.org/ajo/jobs/7454> by September 30, 2016.

For additional information about this call for applications, please contact:

Prof. Benoit Deveaud
Director of the Institute of Physics
Email: benoit.deveaud@epfl.ch

More information about EPFL and the Institute of Physics can be found at: <http://www.epfl.ch/> and <http://iphys.epfl.ch>

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: **February**; Opens December 1; Closes February 1

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

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

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