

**2015 WEEKLY BULLETIN**  
**DEPARTMENT OF CHEMISTRY, NORTHWESTERN UNIVERSITY**  
**EVANSTON, ILLINOIS**  
October 5, 2015

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

Tuesday October 5<sup>th</sup>:                      *Faculty Lunch Seminar: Teri Odom*  
Tech K140  
12:00 – 1:00pm

### **BIP**

BIP has a new time! 10:00am every Friday in Tech K140.  
First meeting will be October 9<sup>th</sup>. Coffee and snacks will be served.

### **Arrivals**

Anindita Das joined the Mirkin Group  
Venkatesan Kathiresan joined the Hoffman Group  
Wei Lin joined the Schatz Group  
Kathleen Richert joined the Scheidt Group

### **Opportunities**

**The Surface Chemistry Group in the Materials Science Division at Argonne National Laboratory** is in search of a postdoctoral appointee. The successful candidate will enable next generation solar energy conversion through new intermediate band solar absorbers and thermal photovoltaic design. In collaboration with theoretical and computational colleagues, the appointee will fabricate novel thin film devices as well as advance the basic science of intermediate band semiconductor growth and characterization. Atomic layer deposition, materials synthesis and crystallization, as well as optoelectronic characterization will be required. Previous device experience is preferred, as device design and assessment will be emphasized. Candidates within three years of completion of their Ph.D. are eligible.

Interested candidates should send a detailed CV, along with a list of publications, to Alex Martinson [martinson@anl.gov](mailto:martinson@anl.gov). Argonne is a U.S. Department of Energy laboratory managed by UChicago Argonne, LLC. Argonne is an equal opportunity employer, and we value diversity in our workforce.

**The School of Sciences at Indiana University Kokomo** invites applications for a full time, tenure-track, 10-month, organic chemistry position at the assistant professor level beginning August 1, 2016. Information about the School can be found at: [www.iuk.edu/sciences](http://www.iuk.edu/sciences)

Responsibilities include teaching organic chemistry I and II (lectures and labs), general chemistry courses, and additional courses such as a freshman learning community course, the chemistry capstone, or other upper-level chemistry courses depending on qualifications. Course load will be 72% FTE per semester. Research with undergraduates is expected and supported. Publication is required for promotion and tenure. Research in chemical biology (and related fields) or environmental chemistry is preferred, but

candidates specializing in all areas of organic chemistry are encouraged to apply. An appropriate level of university/professional/community service is also required (e.g. committee work, assessment of the major, and engagement in campus initiatives to increase retention and enrollment).

Requirements include a Ph.D. in organic chemistry or in a closely related area with thesis work in organic chemistry, experience teaching undergraduate chemistry (lecture and/or lab courses), and research potential (e.g., publications, external funding) in the field. Postdoctoral experience, experience teaching organic chemistry lecture courses, engaging in outreach activities, and working with undergraduates in research is preferred.

Salary is competitive and includes an excellent fringe benefits package. Although the review process will commence October 23, 2015, applications will be accepted until the position is filled. Interested candidates should review the application requirements and submit their application at: <https://indiana.peopleadmin.com/postings/1908> . Questions regarding the position or application process can be directed to Lu Ann Name, School of Sciences, Indiana University Kokomo, P.O. Box 9003, Kokomo, IN 46904-9003, [Lname@iuk.edu](mailto:Lname@iuk.edu) . The application must include a cover letter, a *curriculum vitae* outlining appropriate education and work experience, a one-page statement outlining teaching philosophy, a one-page statement outlining research agenda, unofficial copies of undergraduate and graduate transcripts, and the names, mailing addresses, email addresses, and telephone numbers of at least three professional references.

One of eight campuses of Indiana University, Indiana University Kokomo is a comprehensive non-residential campus located 50 miles north of Indianapolis in Kokomo, Indiana, a city with a population of approximately 55,000. Committed to student success, the campus serves approximately 4,000 students from a 14 county area in north central Indiana. IU Kokomo has approximately 257 full time faculty and staff. Associate, Baccalaureate, and Master degrees are offered. Additional information about Indiana University Kokomo can be accessed at <http://www.iuk.edu> .

Indiana University Kokomo is an equal opportunity and affirmative action employer. All qualified applicants will receive consideration for employment without regards to race, color, ethnicity, religion, age, sex, sexual orientation or identity, national origin, disability status, or protected veteran status. The institution is also a provider of ADA services.

**The Department of Chemistry and Biochemistry at the University of Colorado Boulder** seeks to hire a tenure-track Assistant Professor to begin August 15, 2016. The successful candidate will be expected to establish a prominent research program in theoretical chemistry and to teach theoretical, physical, and general chemistry courses. A doctorate in Chemistry or a related field is required. The candidate selected for this position must be able to meet eligibility requirements to work in the United States at the time the appointment is scheduled to begin. The University of Colorado is an Equal Opportunity Employer committed to building a diverse workforce. We encourage applications from women, racial and ethnic minorities, individuals with disabilities and veterans. Alternative formats of this ad can be provided upon request for individuals with disabilities by contacting the ADA Coordinator at [hr-ada@colorado.edu](mailto:hr-ada@colorado.edu). Applications are accepted electronically at <https://www.jobsatcu.com>, posting #F02790. To ensure full consideration, complete applications (including letters of reference solicited only after the rest of the application is complete) should be received by November 1, 2015. Review of applications will begin on November 2, 2015. Applications will be accepted until the position is filled.

**Department of Chemistry at Ball State University** is accepting applications for two Tenure-track faculty positions available August 19, 2016 which will include those in analytical, biochemistry, inorganic or physical chemistry. Responsibilities: develop an externally-funded research program that complements the department's existing research, that involves undergraduate and graduate students, and

preferably with applications in materials, computational or environmental science; teach undergraduate and graduate classes in specialty as well as teach general chemistry. **Minimum qualifications:** Ph.D. degree in Chemistry or closely related area; postdoctoral research experience or equivalent; evidence of potential for excellence in teaching; evidence of potential for excellence in research. **Preferred qualifications:** Teaching experience at the collegiate level, e.g. teaching assistant, instructor, Assistant Professor; research interests that focus on an area which complements the department's existing research programs. ([www.bsu.edu/chemistry](http://www.bsu.edu/chemistry))

Send cover letter, vita, copies of undergraduate and graduate transcripts, statement of teaching philosophy, three original letters of recommendation, and description of proposed research to: Dr. Robert E. Sammelson, Chairperson at [chemoffice2@bsu.edu](mailto:chemoffice2@bsu.edu). Review of applications will begin immediately and will continue until the position is filled.

The university offers an excellent benefits package, including health care and retirement plans, tuition assistance for employees and dependents, and generous time off with pay.

Ball State University is an Equal Opportunity/Affirmative Action employer that is strongly and actively committed to diversity within its community. Women, minorities, individuals with disabilities and protected veterans are strongly encouraged to apply. All qualified applicants will receive equal consideration for employment without regard to race, color, religion, sex, national origin, age, disability, protected veteran status or any other legally protected status.

**The Department of Chemistry at The University of Chicago** invites applications from outstanding individuals for the position of Assistant Professor of Chemistry in the area of organic chemistry. Applicants must apply online to the University of Chicago Academic Career website at <http://tinyurl.com/oxvy7n8>. Applicants must upload a cover letter, a curriculum vitae with a list of publications, a succinct outline of research plans and a one page teaching statement. In addition, three reference letters are required. At the time of hire the successful candidate must have a Ph.D. in Chemistry or a related field. Joint appointments with other departments are possible. Review of applications will continue until all positions are filled.

Referral letter submission information will be provided during the application process.  
Additional Information or Requirements:

Statement:

All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, protected veteran status or status as an individual with disability.

The University of Chicago is an [Affirmative Action / Equal Opportunity](#) / Disabled / Veterans Employer.

Job seekers in need of a reasonable accommodation to complete the application process should call 773-702-5671 or email [ACOppAdministrator@uchicago.edu](mailto:ACOppAdministrator@uchicago.edu) with their request.

Required Applicant Documents:

Cover Letter

Curriculum Vitae

Teaching Statement

Research Statement

Optional Applicant Documents:

**The Department of Chemistry at The University of Chicago** invites applications from outstanding individuals for the position of Assistant Professor of Chemistry in the area of inorganic chemistry. Applicants must apply online to the University of Chicago Academic Career website at <http://tinyurl.com/nq59kgr> . Applicants must upload a cover letter, a curriculum vitae with a list of publications, a succinct outline of research plans and a one page teaching statement. In addition, three reference letters are required. At the time of hire the successful candidate must have a Ph.D. in Chemistry or a related field. Joint appointments with other departments are possible. Review of applications will continue until all positions are filled.

Referral letter submission information will be provided during the application process.  
Additional Information or Requirements:

Statement:

All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, protected veteran status or status as an individual with disability.

The University of Chicago is an [Affirmative Action / Equal Opportunity](#) / Disabled / Veterans Employer.

Job seekers in need of a reasonable accommodation to complete the application process should call 773-702-5671 or email [ACOppAdministrator@uchicago.edu](mailto:ACOppAdministrator@uchicago.edu) with their request.

Required Applicant Documents:

Cover Letter, Curriculum Vitae, Teaching Statement, Research Statement

**The Department of Chemistry at The University of Chicago** invites applications from outstanding individuals for the position of Assistant Professor of Chemistry in the area of physical chemistry. Applicants must apply online to the University of Chicago Academic Career website at <http://tinyurl.com/py98uyk>. Applicants must upload a cover letter, a curriculum vitae with a list of publications, a succinct outline of research plans and a one page teaching statement. In addition, three reference letters are required. At the time of hire the successful candidate must have a Ph.D. in Chemistry or a related field. Joint appointments with other departments are possible. Review of applications will continue until all positions are filled.

Referral letter submission information will be provided during the application process.  
Additional Information or Requirements:

Statement:

All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, protected veteran status or status as an individual with disability.

The University of Chicago is an [Affirmative Action / Equal Opportunity](#) / Disabled / Veterans Employer.

Job seekers in need of a reasonable accommodation to complete the application process should call 773-702-5671 or email [ACOppAdministrator@uchicago.edu](mailto:ACOppAdministrator@uchicago.edu) with their request.

Required Applicant Documents:

Cover Letter, Curriculum Vitae, Teaching Statement, Research Statement

**The Department of Chemistry at the University of California, Riverside** seeks outstanding applicants for **four new faculty positions in 2016**. The list below also includes direct links to the specific iRecruit application portals.

- 1) **Analytical Chemistry (Open Level) - Oct 23 application date**  
[Junior Applicants - <https://aprecruit.ucr.edu/apply/JPF00375>]  
[Senior Applicants - <https://aprecruit.ucr.edu/apply/JPF00382>]
- 2) **Teaching Faculty position specializing in Organic Chemistry - Oct 23 application date**  
[<https://aprecruit.ucr.edu/apply/JPF00373>]
- 3) **Assistant Professor in Environmental Toxicology.**  
[application link coming soon]
- 4) **Assistant Professor in Atmospheric Chemistry.**  
[application link coming soon]

The four new chemistry hires will augment the recent and continuing growth in the size and reputation of the UCR Chemistry program. New faculty will be able to contribute to and benefit from the enhanced visibility and reputation of the program. UCR Chemistry is ranked 25th in US in the 2015 Annual Review of World Universities and is ranked 26th in the US in the current Nature Index (<http://chem.ucr.edu/>).

**SET Environmental, Inc.** has been providing environmental management services to a nationwide client base for 37 years. Founded in Wheeling in 1978, the firm currently employs more than 410 people, including over 350 environmental experts.

As SET assists clients with a wide range of non-routine environmental concerns, SET recognizes that finding the right solution to any hazardous problem requires an appreciation of each client's unique circumstances.

SET is committed to growing our technical expertise and capabilities to better serve our clients in our primary service lines:

1. Emergency Response / Specialty Field Services
2. Customized Waste Management / On Site Services
3. Compressed Gas Cylinder Services

#### **POSITION DESCRIPTION:**

We are searching for an individual who has a passion for learning, problem solving, chemistry, being part of a team, and strives for excellence. This individual would work in our Technical Services Group, and be part of a team of chemists, professional engineers, and safety professionals.

This individual would be responsible for helping the SET sales team and operations team identify unknown solids, liquids, and gases. This person would also be responsible for problem solving and coming up with "how to" solutions for mechanical, chemical, technical challenges that SET customers have in the field.

#### **POSITION REQUIREMENTS:**

1. Strong Chemistry background (Master's Degree preferred)
2. Operational knowledge of GCMS, FTIR, XRF
3. Passion for learning and problem solving
4. Flexibility – you will work in a laboratory and in the field
5. Excellent work ethic – health and safety of people's lives depends on your work
6. Teamwork / humility – this person is part of a team that must work together to solve problems

If you are interested in this opportunity, please contact Lauren Newell at (847) 537-9221

**University of Illinois at Urbana-Champaign** is searching for outstanding candidates for an appointment as an Assistant Professor in the general area of organic chemistry, beginning with the 2016-2017 academic year. Our primary interest is that the candidate be bright, energetic, enthusiastic, and imaginative, with extraordinary potential in both research and teaching. The exact field of interest of the applicant is of less importance to us. Other aspects being equal, preference will be given to candidates whose research and teaching interests complement those in our current program.

Applications are welcomed from all qualified persons. The University of Illinois is an Affirmative Action-Equal Opportunity Employer and we encourage applications from members of minority groups and women.

Please submit a curriculum vitae, list of publications, and a detailed statement of research and professional objectives, and to arrange for two letters of recommendation uploaded according to the instructions at the following web address <http://go.illinois.edu/ChemistryAssistantProf>

Applications should be submitted promptly, preferably by October 18, 2015 to ensure consideration.

**The Department of Chemistry with Kansas State University** ([www.ksu.edu/chem](http://www.ksu.edu/chem)) invites applications for a tenure-track position in Synthetic Inorganic Chemistry at the rank of Assistant Professor to begin in August 2016. A Ph.D. in chemistry is required and postdoctoral experience is desirable. The successful candidate will be expected to establish a creative and vibrant research program that attracts extramural funding and capable co-workers; s/he will also be expected to excel in teaching to a diverse population at the graduate and undergraduate levels. Candidates should submit a letter of interest, a curriculum vitae, descriptions of proposed research, and a statement of teaching philosophy and interests. Also arrange for at least three letters of recommendation to be sent to: Professor Christer Aakeröy ([aakeroy@ksu.edu](mailto:aakeroy@ksu.edu)), Department of Chemistry, 213 CBC Building, 1212 Mid-Campus Dr North, Kansas State University, Manhattan KS 66506. Screening of applications will begin on 10/31/2015 and will continue until the position is filled.

Kansas State University is an Equal Opportunity Employer and actively seeks diversity among its employees. In accordance with Board of Regents policy, a background check will be required for the successful candidate.

**The Department of Chemistry with Kansas State University** ([www.ksu.edu/chem](http://www.ksu.edu/chem)) invites applications for a position at the rank of Instructor to begin in August 2016. An M.S. in chemistry or chemical education is required; a Ph.D. degree is desirable. This is a regular position with opportunities for promotion in rank. The successful candidate will be expected to excel in teaching to a diverse population in our first-year courses. Candidates should submit a letter of interest, a curriculum vitae, and a statement of teaching philosophy and interests. Also arrange for at least three letters of recommendation to be sent to: Dr. Yasmin Patell ([yasmin@ksu.edu](mailto:yasmin@ksu.edu)), Department of Chemistry, 213 CBC Building, 1212 Mid-Campus Dr North, Kansas State University, Manhattan KS 66506. Screening of applications will begin on 10/31/2015 and will continue until the position is filled.

Kansas State University is an Equal Opportunity Employer and actively seeks diversity among its employees. In accordance with Board of Regents policy, a background check will be required for the successful candidate.

**The University of Southern Mississippi** invites applicants for a full-time, nine-month faculty position as an instructor of chemistry in the Department of Chemistry and Biochemistry in the College of Science and Technology to begin in fall 2016.

**Duties and Responsibilities:**

- Primary responsibility is to teach general chemistry lecture courses on the Hattiesburg campus; candidate may be asked to teach other chemistry courses as needed.
- Candidate will hold regular office hours for students and advise and mentor chemistry majors.
- Position also entails possible supervision of undergraduate research projects and engagement in professional service (e.g., committee work) at the department, college and/or university level.

**Minimum Qualifications:**

- M.S. degree in chemistry or a closely related field, with a minimum of 18 hours of graduate-level course work in chemistry
- Evidence of commitment to excellence in teaching, student mentoring and professional service
- Prior college classroom teaching experience beyond serving as lab teaching assistant and evidence of innovative teaching and approaches that enhance student learning
- Must be eligible to work in the U.S. at the time of application

**Preferred Qualifications:**

- PhD degree in chemistry or a closely related field from an accredited university, with a minimum of 18 hours of graduate-level course work in chemistry
- General chemistry teaching experience and experience with large class settings

Posting Date: 09-11-2015

Closing Date: Open Until Filled

**Special Instructions to Applicants:**

Applications must be submitted online at <https://jobs.usm.edu>. In order to be guaranteed full consideration, a complete application must be received by December 1, 2015: cover letter outlining qualifications for the position, curriculum vitae, statement of teaching philosophy, transcripts, teaching portfolio, contact information for 3 references. Unofficial transcripts will suffice for the application. Official transcripts will be required prior to a campus interview. The teaching portfolio must contain:

- A description of courses that were developed and taught (incl. number of students per section, grade distribution, examples of previously utilized examinations, as well as copies of graded work and student feedback if available)
- A description of any involvement with curriculum design, evaluation, revision and accreditation;
- A description of any involvement with student recruiting and retention efforts;
- Documentation of ways in which student learning opportunities have been extended beyond the physical classroom;
- Documentation of adaptation of course delivery to accommodate different learning styles and foster active student engagement in learning;
- Documentation of student learning outcomes resulting

**The University of Southern Mississippi** invites applicants for a full-time, nine-month, tenure-track faculty position as an assistant professor in biochemistry in the Department of Chemistry and Biochemistry.

**Duties and Responsibilities:**

Scholarly research that involves doctoral, master's level and undergraduate students; teaching at the undergraduate and graduate level; professional service

**Minimum Qualifications:**

A Ph.D. and specialization in biochemistry or a closely related area

At least two years of postdoctoral research experience by the time employment commences

Evidence of potential to develop a rigorous, externally funded research program that incorporates graduate and undergraduate students; evidence of commitment to excellence in teaching and professional service

**Preferred Qualifications:**

Outstanding applicants pursuing research in all areas of biochemistry and using a variety of experimental model systems will be considered.

Areas of interest include, but are not limited to, analytical biochemistry, bioenergy, bioengineering, biomaterials, biomedicine, biophysical chemistry, chemical biology, computational biology and synthetic biology.

A major consideration will be the fit of the candidate's research interests with existing research strengths in the department and in the College of Science and Technology.

Posting Date: 09-16-2015

Closing Date: Open Until Filled

The document detailing the research plan should not exceed three pages and should include a concise statement of previous research accomplishments.

Special Instructions to Applicants: The document describing the teaching and student mentoring philosophy should be no more than two pages long.

Applicants must also upload a detailed statement of their start-up needs.

**The Department of Chemistry and Biochemistry at the University of Maryland** invites applications for a full-time tenure-track faculty position at the Assistant Professor level. Applicants are expected to establish a vigorous and externally funded research program in any sub-discipline of an area broadly defined as chemical biology (e.g., bioorganic, bioanalytical, biophysical chemistry, and biochemistry). Candidates must have an outstanding record of scientific achievement, demonstrated by publications in peer-reviewed journals. The successful applicant should have a PhD and postdoctoral experience in any of the sub-disciplines listed above, will be expected to teach at both the undergraduate and graduate (PhD and MS) levels with particular emphasis on bioorganic, biophysical, or biochemistry courses, and should demonstrate an understanding of and commitment to diversity.

The Department ([www.umbc.edu/chem-biochem](http://www.umbc.edu/chem-biochem)) is a highly cross-disciplinary and interactive group of faculty, postdoctoral fellows, and students engaged in cutting edge research, working in state-of-the-art laboratory facilities in a recently renovated building. The faculty has strong collaborations across the entire campus, and with the University of Maryland Schools of Medicine and Pharmacy.

UMBC is committed to academic excellence and diversity within the faculty, staff, and student body (<http://facultydiversity.umbc.edu/>). The university is strategically situated on a suburban campus in the intellectually and culturally vibrant Baltimore-Washington corridor, providing unique opportunities afforded by its diversity, intermediate size and world-class infrastructure. Candidates should submit their applications electronically to <http://apply.interfolio.com/30626>, and include curriculum vitae, description of research plans, and statement of teaching philosophy. The candidates also need to arrange for three letters of recommendation to be submitted to <http://apply.interfolio.com/30626>. For inquiries only, please email [chemsearch@umbc.edu](mailto:chemsearch@umbc.edu).

**QUALIFICATIONS**

Candidates must have an outstanding record of scientific achievement, demonstrated by publications in peer-reviewed journals. The successful applicant should have a PhD and postdoctoral experience in an area *broadly defined as chemical biology* (e.g., bioorganic, bioanalytical, biophysical chemistry, and biochemistry), will be expected to teach at both the undergraduate and graduate (PhD and MS) levels with particular emphasis on bioorganic, biophysical, or biochemistry courses, and should demonstrate an understanding of and commitment to diversity. Applications for women, minorities, individuals with disabilities and other traditionally under-represented groups in the sciences are especially encouraged. Review of applications will begin November 1, 2015 and continue until the position is filled. This appointment will commence in August, 2016.



## APPLICATION INSTRUCTIONS

Candidates should submit their applications electronically to <http://apply.interfolio.com/30626> and include curriculum vitae, description of research plans, and statement of teaching philosophy. The candidates also need to arrange for three letters of recommendation to be submitted electronically to <http://apply.interfolio.com/30626>.

**The Department of Chemistry at Washington University in St. Louis** seeks to make a faculty appointment to begin in the fall of 2016 in organic chemistry with an emphasis on bio-organic or materials chemistry. Applicants should have a significant synthetic component in their research programs. The position is available at the assistant-professor level. The duties of the position include teaching assigned courses, including organic chemistry at the second-year undergraduate level, applying successfully for extramural research grants, conducting research, publishing research results in peer-reviewed journals, 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 or a closely related field at the time of appointment.

Applications should consist of a curriculum vitae and one or more concise research proposals. These documents are to be submitted in *electronic form* as PDF (portable document format) files to [chemsearch@wustl.edu](mailto:chemsearch@wustl.edu) with the following in the subject line: "Organic Chemistry Position." Applicants should also arrange for three letters of reference to be sent to [chemsearch@wustl.edu](mailto: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 **15 October 2015** to ensure inclusion in the initial review. However, applications received later will also be considered until the search is concluded.

Washington University is an equal-opportunity, affirmative-action employer. Individuals from under-represented groups and women are especially encouraged to apply.

**The Department of Chemistry of Lehigh University** invites applications for an Assistant Professor position in bioanalytical chemistry. Candidates must have a Ph.D. with demonstrated scholarship and research achievements; postdoctoral experience is preferred. A strong commitment to teaching at both undergraduate and graduate levels is a requirement. Review of applications will begin October 15 and continue until the position is filled.

Interested applicants should submit a cover letter, curriculum vitae, statements of proposed research and teaching interests, and arrange for three letters of recommendation to be sent. All materials must be submitted electronically at: <https://academicjobsonline.org/ajo/jobs/5936>. Inquiries about this position should be directed to Prof. Dmitri Vezenov ([dvezenov@lehigh.edu](mailto:dvezenov@lehigh.edu)).

The College of Arts and Sciences at Lehigh is especially interested in qualified candidates who can contribute, through their research, teaching, and/or service, to the diversity and excellence of the academic community. Applications from and nominations of women and minority candidates are highly encouraged. Lehigh University is an equal opportunity/affirmative action employer, seeking a diverse

faculty. Lehigh offers excellent benefits including domestic partner benefits.  
<http://www.lehigh.edu/~inprv/faculty/worklifebalance>.

**The Department of Chemistry at the University of Tennessee, Knoxville** (UTK) has an opening for a tenure-track Assistant Professor position in Theoretical and Computational Chemistry. The appointment is expected to begin August 2016.

UTK is the flagship campus of the University of Tennessee System with an enrollment of 27,000 students (21,000 undergraduates and 6,000 graduate and professional). The Department of Chemistry currently has 28 faculty members, about 125 graduate students (nearly all Ph.D. students), and more than 20 postdoctoral fellows. We have the distinctive advantage of being located only 25 miles from Oak Ridge National Laboratory (ORNL), and this geographic proximity has led to very strong collaborative ties to ORNL. Of special note are the four UTK/ORNL Joint Institutes in Advanced Materials, Biological Sciences, Computational Sciences, and Neutron Sciences. The Joint Institute for Computational Sciences ([www.jics.utk.edu](http://www.jics.utk.edu)) is an especially important resource for computational chemistry, including access to leadership-class supercomputing.

The successful candidate in this search will have an extraordinary opportunity. This position has minimum required qualifications of a Ph.D. degree in chemistry or related fields with one or more years of post-doctoral experience preferred. Candidates with interest in developing and applying new theories and modern computational methods to research issues in modern materials, biomaterials, catalysis, and/or energy are especially encouraged to apply. As a tenure-track Assistant Professor, his or her duties/responsibilities will be to develop an internationally recognized research program, as well as to be fully engaged in the teaching and service missions of the University. The Knoxville campus of the University of Tennessee is seeking candidates who have the ability to contribute in meaningful ways to the diversity and intercultural goals of the University. Interested applicants should visit our search website (<https://www.chem.utk.edu/positions>) for detailed application instructions. Review of applications will begin on November 1, 2015 and continue until the position is filled.

**The Department of Chemistry at the University of Minnesota–Twin Cities** is conducting an area open search to fill one or more tenure-track or tenured faculty positions. Our department is vibrant, collegial, and committed to cutting edge multidisciplinary research and teaching.

**We would especially like to include candidates from your esteemed institution in our consideration. The search is open to applicants from all areas of modern chemistry at all ranks.**

Successful candidates 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, 2015 and will continue until the positions are filled. Candidates should apply electronically to <http://z.umn.edu/ttrack2015> (tenure track) or <http://z.umn.edu/tenured2015> (tenured) and include the following: a cover letter, a curriculum vitae, a statement of overall research interests, a statement addressing anticipated contributions to the research and teaching missions of the department, and copies of their undergraduate and graduate transcripts. Candidates should also arrange to have three letters of recommendation sent as attachments to emails to [chemfs@umn.edu](mailto: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 Chemistry Department of Johns Hopkins University**, Baltimore, Maryland ([www.chemistry.jhu.edu](http://www.chemistry.jhu.edu)) invites applications from outstanding individuals in search of a tenure-track position in the area broadly defined as chemistry at the interface of biology with an anticipated starting date of July 1, 2016.

Applicants at the Assistant and Associate Professor level are preferred but exceptional candidates at the Full Professor level will also 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/30860>). Consideration of applications will begin on October 15, 2015.

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](mailto: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 Chemistry at Johns Hopkins University is made up of internationally recognized faculty involved in all areas of contemporary chemical science, including many interdisciplinary areas interfacing chemistry with the fields of biology, medicine, physics and materials. There are currently ongoing research programs in analytical chemistry, atmospheric chemistry, environmental chemistry, bioorganic chemistry, biophysical chemistry, inorganic chemistry, bioinorganic chemistry, synthetic organic chemistry, organometallic chemistry, physical organic chemistry, physical chemistry, chemical physics, surface chemistry, and theoretical chemistry. Achievements of the faculty in the department are highlighted by the many awards won each year by various faculty members, including prestigious NSF CAREER awards, Dreyfus Teacher-Scholar Awards, Dreyfus New Faculty Awards, Young Investigator Awards from the American Cancer Society, Department of Energy, DuPont and Eli Lilly, fellowships from the Sloan and Guggenheim Foundations, and Arthur C. Cope Scholar Awards.

**California State University, Long Beach – College of Natural Sciences and Mathematics, Department of Chemistry and Biochemistry** is accepting applications for a tenure-track Assistant/Associate Professor of Inorganic or Physical Chemistry with Specialization in Materials Science

**Duties:** Teach undergraduate lecture and laboratory courses in physical or inorganic chemistry and materials science and graduate level courses in the area of specialty; supervise undergraduate and graduate student research; develop and sustain an independent and externally funded research program involving undergraduate and graduate students leading to publications (research start-up funds are available); participate in activities serving the department, college, university, and community.

CSULB seeks to recruit faculty who enthusiastically support the University's strong commitment to the academic success of all of our students, including students of color, students with disabilities, students who are first generation to college, veterans, students with diverse socio-economic backgrounds, and students of diverse sexual orientations and gender expressions. CSULB seeks to recruit and retain a diverse workforce as a reflection of our commitment to serve the People of California, to maintain the excellence of the University, and to offer our students a rich variety of expertise, perspectives, and ways of knowing and learning.

Effective Date: August 17, 2016 (Fall Semester)

Salary Range: Commensurate with qualifications and experience

**Minimum Qualifications:** Ph.D. in physical or inorganic chemistry, or materials science degree at time of application or official notification of completion of the doctoral degree by August 1, 2016.

Strong record of research productivity; demonstrated potential for developing and sustaining an independent externally funded research program involving undergraduate and graduate (MS) students leading to peer-reviewed publications; potential for effective teaching in inorganic or physical chemistry, and materials science. Demonstrated commitment to working successfully with a diverse student population.

**Desired/Preferred Qualifications:** Post-doctoral research experience; preference will be given to candidates who can complement research interests of existing faculty and/or utilize existing instrumentation.

**Required Documentation:**

- A Student Success Statement about your teaching or other experiences, successes, and challenges in working with a diverse student population (approximately one page, single-spaced).
- Letter of application addressing the minimum and desired/preferred qualifications.
- CV (including current email address).
- Three current letters of recommendation independently provided by references.
- Research proposal involving lab, major instrumentation and start-up needs.
- Statement of teaching philosophy.
- Copy of unofficial transcript from institution awarding highest degree.
- Finalists will also be required to submit a signed SC-1 form, three current letters of recommendation (if not already submitted), and an official transcript.

Electronic files from applicants and reference letters should be sent to [chemsearch5@csulb.edu](mailto:chemsearch5@csulb.edu)

Requests for information should be addressed to:

Dr. Chris Brazier, Chair  
California State University, Long Beach  
Department of Chemistry and Biochemistry  
1250 Bellflower Boulevard  
Long Beach, CA 90840-9401

**Application Deadline:** Review of applications to begin October 12<sup>th</sup>, 2015. Position opened until filled (or recruitment canceled)

**Naval Research Laboratory** has an opening for a postdoctoral associateship on the impact of nanoconfinement on enzyme catalysis.

The U.S. Naval Research Laboratory Bio/Analytical Chemistry Section is looking for a qualified Ph.D. candidate for a postdoctoral position in biochemistry and biomaterials. Qualified candidates need to hold a Ph.D. in Biochemistry, Chemistry, Biology or related field and be willing to work on interdisciplinary programs. Candidates with research experience in enzymes, soft nanotechnology, and/or self-assembled nanostructures are of interest. Specific desired skills include 3D confocal microscopy, cell culturing, microfluidics, fluorescence spectroscopy, as well as biological atomic force microscopy.

NRL collaborates with the National Research Council (NRC) and the American Society of Engineering Education (ASEE) to place postdoctoral associates at the Lab. The starting salaries for these positions are

approximately \$74,872/year and require US citizenship or permanent resident status. Additional information about these opportunities can be found at:

<http://sites.nationalacademies.org/pga/rap/>

AND

<http://nrl.asee.org/>

Please send CV's and interest letters to Dr. Greg Collins (Head, Bio/Analytical Chemistry Section, NRL) at [Greg.Collins@nrl.navy.mil](mailto:Greg.Collins@nrl.navy.mil)

**The Department of Chemistry at Colorado State University**, located in Fort Collins, CO, seeks to hire at least two tenure-track faculty members. While exceptional candidates from all areas of chemical science are encouraged to apply, candidates with research interests in chemical biology, experimental physical chemistry, and/or soft materials are of particular interest.

We aim to fill these positions 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/17641>. Questions regarding the searches should be directed to Chair, Faculty Search Committee, [CHEM\\_search@mail.colostate.edu](mailto:CHEM_search@mail.colostate.edu). Applications will be accepted until the positions are filled; applications completed by 11:59 PM (MT) on October 15, 2015 will receive full consideration. Files of semifinalists will be available to all Chemistry Department regular faculty. CSU is an EO/EA/AA employer. Colorado State University conducts background checks on all final candidates.

**The Department of Chemistry at the University of Pennsylvania in Philadelphia, PA** plans to make a tenure track appointment at the Assistant Professor level. The appointment will be in the broadly defined area of Biological Chemistry, with a particular, but not exclusive, interest in cryoelectron microscopy, the structure and function of RNA or membrane proteins, development of screening and “omics” technologies, or multi-step biosynthesis. The candidate is expected to establish an externally funded research program and participate in the Department’s undergraduate and graduate teaching mission.

Applicants must apply online at <http://facultysearches.provost.upenn.edu/postings/645>. Required application materials include: a curriculum vitae including a list of publications, and a description of proposed research. Applicants should also submit the names and contact information of three individuals who will provide letters of recommendation.

Review of applications will begin on October 15, 2015 and will continue until the position is filled. The Department of Chemistry is strongly committed to Penn’s Action Plan for Faculty Diversity and Excellence and to creating a more diverse faculty (for more information see: <http://www.upenn.edu/almanac/volumes/v58/n02/diversityplan.html>). The University of Pennsylvania is an equal opportunity employer. Minorities, women, individuals with disabilities, and protected veterans are encouraged to apply.

**The Department of Chemistry at the University of Kentucky** is seeking candidates for a tenure track assistant professor faculty position. The research area is focused on synthetic biology, with particular interest in the control and engineering of cellular systems for the production of high-value chemicals such as carotenoids, enhanced lipid production or protein content, and so on. This position has a start date of August 2016. A Ph.D. in Chemistry or a closely related field is required and postdoctoral experience is highly desirable.

Our Department houses research programs in all areas of chemistry and has a vibrant graduate program. The Department currently has 29 tenure-track faculty members and offers BA and BS undergraduate degrees (including a BS with Biochemistry option), as well as MS and Ph.D. graduate degrees. The Department has close ties to UK interdisciplinary research centers, including the Sanders-Brown Center on Aging (<http://www.uky.edu/coa/>), the Markey Cancer Center (<http://ukhealthcare.uky.edu/markey/>) and the Center for Applied Energy Research ([www.caer.uky.edu](http://www.caer.uky.edu)), which is the site of the Kentucky-Argonne National Battery Research and Manufacturing Center.

The University of Kentucky is a land-grant University with on-campus schools of Business, Dentistry, Law, Medicine, and Nursing. The UK student body numbers over 30,000 undergraduate, graduate, and professional school students. The University is located in Lexington, a city of 300,000 in the center of the scenic Bluegrass region of Kentucky.

We would be grateful if you would circulate this email within your department and bring this position to the attention of promising candidates. Details of the position and instructions for submission of applications can be found on our website <http://ukjobs.uky.edu/postings/77774>. We will begin reviewing the applications on October 14, 2015.

*The University of Kentucky is an Affirmative Action/Equal Opportunity University that values diversity and is located in an increasingly diverse geographical region. It is committed to becoming one of the top public institutions in the country. Women, persons with disabilities, and members of other underrepresented groups are encouraged to apply. The University also supports family-friendly policies*

**Oxford Instruments – Santa Barbara, California** is accepting applications for an **Industrial Postdoctoral Researcher**

Asylum Research, an Oxford Instruments Company and technology leader in Scanning Probe Microscopy, has a Postdoctoral Research position immediately available for a highly motivated and skilled experimentalist. As a postdoc with our company, you will use the latest SPM technology to investigate a variety of physical problems on the sub-micrometer level, including:

- High resolution imaging
- Nanomechanics
- Ferro- and Piezo-electric materials
- Nanoelectrical Measurements
- Functional Energy Production and Storage
- Fluid and Biological Imaging
- Chemical Measurements

In addition to working on ongoing research projects as described above, you will publish in peer-reviewed journals, work on projects for deployment to end users and participate in development of next-generation SPM technology.

**The Candidate**

*Successful candidates must have:*

- PhD in Physics, Chemistry, Materials Science or a related discipline
- Demonstrated publication writing and public speaking skills
- Background in SPM research or related application areas such as energy, polymers, physics, or chemistry
- Creative and independent thinking skills, along with the ability to work effectively in a collaborative and interdisciplinary setting
- Industrial experience is a plus

### **Apply for the Position**

Asylum Research offers a creative and casual work environment with flexible hours and a chance to work with some of the most talented scientists and engineers in the field of SPM. We also provide a competitive salary and benefits program including medical, dental, vision and 401k. Postdoctoral positions are one-year appointments but have the potential to evolve into permanent staff scientist positions. To apply for this outstanding opportunity, please send your CV and three references in PDF format to [Erin.McClanahan@oxinst.com](mailto:Erin.McClanahan@oxinst.com) . Please include the job title "Postdoctoral Associate" in the subject line. For further information, please visit our website at [www.AsylumResearch.com](http://www.AsylumResearch.com) .

Asylum Research, an Oxford Instruments Company is an Equal Opportunity/Affirmative Action employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability or protected veteran status.

### **University of Notre Dame, Department of Chemistry and Biochemistry - Synthetic**

Organic/Medicinal Chemists: Two postdoctoral positions in synthetic organic chemistry/medicinal chemistry are available. The qualified applicant would have a Ph.D. in synthetic chemistry and would be knowledgeable of modern synthetic techniques and structure analysis. He/she should be able to perform multistep syntheses of molecules designed as potential antibiotics, or probes of mechanisms of action of enzymes involved in antibiotic resistance. Knowledge of enzyme chemistry and/or medicinal chemistry principles is desirable but not required. The work environment is multidisciplinary and the successful candidates will have the opportunity to work among a large group of scientists of similar interests within our groups.

South Bend, Indiana, is a college town and a wonderful place live. The cost of living is relatively low, so students and postdocs enjoy a higher standard of living compared to other locations. The city is within 1.5 hours of Chicago by car and there are regular train and air service as well.

Interested candidates should e-mail their curriculum vitae, along with the names of three individuals who would be able to write letters of recommendations on their behalf to either of the addresses below: Prof. Mayland chang ([mchang@nd.edu](mailto:mchang@nd.edu) ) or Prof. Shahriar Mobashery ([mobashery@nd.edu](mailto:mobashery@nd.edu) )

Department of Chemistry and Biochemistry  
423 Nieuwland Science Center  
University of Notre Dame  
Notre Dame, IN 46556 USA

**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](mailto: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](http://www.nationalacademies.org/rap).