

**2015 WEEKLY BULLETIN**  
**DEPARTMENT OF CHEMISTRY, NORTHWESTERN UNIVERSITY**  
**EVANSTON, ILLINOIS**  
**October 19, 2015**

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

Tuesday October 20<sup>th</sup>:            *Faculty Lunch Seminar: Mercouri Kanatzidis*  
Tech K140  
12:00 – 1:00pm

*Department of Chemistry Special Seminar:*  
*Jennifer Laaser, University of Minnesota*  
Ryan Hall 4003  
1:00-2:00pm

Friday October 23<sup>rd</sup>:            *Department of Chemistry Special Seminar:*  
*Julia Kalow, MIT*  
Tech M152  
1:00-2:00pm

**BIP**

On October 23<sup>rd</sup> BIP will meet at 2:45pm in Tech K140

**Arrivals**

No new arrivals this week

**Opportunities**

**The Department of Chemistry at the University of Houston** invites applications for a tenure-track faculty position in experimental biophysical chemistry. Desired start date of September 1, 2016. The University of Houston is an Equal Opportunity/Affirmative Action institution. Minorities, women, veterans and persons with disabilities are encouraged to apply. <https://jobs.uh.edu/postings/26725>

Applicants must have a PhD and postdoctoral experience in chemistry and/or physics.

**Required Documents**

1. Cover Letter/Letter of Application
2. CV
3. Teaching Philosophy
4. Research Statement

\*\*The statement of teaching interests and experience should be a maximum of one page in length. Research plans should be a maximum of five pages total in length.

**The Department of Chemistry at Virginia Commonwealth University** invites applications for a tenure-eligible, Assistant Professor position in the broad area of Analytical Chemistry to begin in fall 2016. The candidate is expected to develop and maintain a funded, nationally recognized research program. Teaching will primarily be in undergraduate and graduate courses in analytical chemistry. The candidate's research interests should complement those of existing faculty; those candidates with analytical chemistry interests that bridge to nanoscience and/or chemical biology are encouraged to apply. Candidates Demonstrated experience working in and fostering a diverse faculty, staff, and student environment, or the commitment to do so.

A Ph.D. in chemistry is required and post-doctoral experience is strongly encouraged. Well qualified candidates at higher ranks may be considered, contingent on funding availability.

Candidates will submit:

- (1) a cover letter
- (2) a curriculum vitae
- (3) a document containing detailed research proposals, teaching plans and an estimate of start-up costs to <https://www.vcujobs.com/postings/47038> .

In addition, names of three references must be entered into vcujobs; these individuals will be asked to provide recommendation letters. Review of applications will begin immediately and continue until the position is filled. Please contact Sarah C. Rutan, Search Committee Chair, at [srutan@vcu.edu](mailto:srutan@vcu.edu) for any questions about the position.

Virginia Commonwealth University is an equal opportunity/affirmative action employer and seeks to provide equal opportunities for employment without regard to race, color, religion, national origin, age, gender, political affiliation, veterans' status, sexual orientation, gender identity, gender expression, genetic information, or disability. Virginia Commonwealth University welcomes individuals with diverse backgrounds, experiences, and ideas and those who embrace and value diversity and inclusivity.

**The University of Connecticut (UConn)** is entering a transformational period of growth supported by the \$1.7B *Next Generation Connecticut* (<http://nextgenct.uconn.edu/>) and the \$1B *Bioscience Connecticut* (<http://biosciencect.uhc.edu/>) investments and a bold new *Academic Plan: Path to Excellence* ([http://issuu.com/uconnprovost/docs/academic-plan-single-hi-optimized\\_1](http://issuu.com/uconnprovost/docs/academic-plan-single-hi-optimized_1)). Applications are invited for tenure-track positions in the Chemistry Department. All areas of Chemistry will be considered, with preference given to candidates whose research contributes to the above initiatives and complements that of current faculty.

The successful applicant should have postdoctoral experience and is expected to develop a nationally and internationally competitive research program, evidenced by high impact publications and strong extramural funding. Teaching excellence at undergraduate and graduate levels is also anticipated. Appointments are aimed for Fall 2016.

Minimum qualifications include: a Ph.D. or equivalent in chemistry or a closely related field in hand by the time the appointment begins; outstanding record of research accomplishments in Chemistry or a related field; and strong oral and written communication skills.

To apply, please visit the University's *Husky Hire* online application system at:

<https://academicjobsonline.org/ajo/jobs/5907> . Send: cover letter (that addresses synergies between candidate/department/university—2 page limit), curriculum vitae, description of research plans (6 page limit), and brief statement of teaching philosophy and interest (1-2 pages). Additionally, please follow the instructions on Academic Jobs Online to direct reference writers to submit letters of reference on your behalf.

Screening of applications will begin immediately. For full consideration please apply by November 2, 2015.

**Lumileds located in San Jose, CA** is looking for Failure Analysis Engineers. The challenge is to identify the root cause of electrical, chemical, structural, and thermal defects and failures. In order to successfully carry out various kinds of failure/defect analysis, failure analysis engineer needs to continuously study new technical areas and come up with the creative ideas to solve the technical issues which are most of time multidisciplinary. FA Engineer is a key member of product development and process development and works closely with product development team, process development team and manufacturing team. FA engineer's contribution immediately and significantly impacts the quality of company's products.

Your Responsibilities:

- Will analyze product failure to identify the root cause of the failure of new product and new process
- Will analyze yield reject to improve manufacturing yield
- Will characterize LED product chemically, electrically, optically, thermally and structurally
- Will develop 1) new characterization tool and 2) application of characterization tool
- Will work with functional team for product development and process development

Your Team:

Advanced FA Team at Lumileds is composed of highly technical and talented staffs with various backgrounds (Material Science, Electrical Engineering, Chemical Engineering, and Physics). The team is in charge of performing 1) Failure Analysis for new product/process development and 2) Defect Analysis for yield improvement.

Our Offer:

Advanced FA Team will provide never-ending technical trainings and offer various kinds of interesting and technical challenges which help you technically grow quickly and eventually become a master of technical problem solving.

What We Are Looking For

Advanced FA Team is looking for a highly motivated and passionate technical staff who is willing to learn various technical areas, has out-of-box thinking and can bring creative ideas and solutions to technical challenges.

Qualifications:

- PhD in Chemistry with emphasis in polymer material processing and characterization or
- PhD in Analytical Chemistry
- Hands-on experience in various chemistry and polymer characterization tools
- Knowledge on semiconductor device physics/processing is a plus
- Excellent verbal and written communication skills

Contact: Sungwook Huh ([Sungwook.huh@philips.com](mailto:Sungwook.huh@philips.com))

**Beloit College** invites applications for a tenure-track faculty position in chemistry to begin August 2016. The successful candidate will hold a Ph.D. in chemistry or related field and be able to teach courses in general and organic chemistry. We especially seek candidates who have demonstrated success in working with diverse populations of students. This position is an excellent opportunity to teach in an ACS-certified department known for innovative pedagogy.

Candidates will be expected to develop a research program related to some aspect of health, broadly defined, that engages undergraduates. This position places strong emphasis on advising undergraduate students in Chemistry, Biochemistry, and our multidisciplinary Health and Society program. Candidates should demonstrate enthusiasm for liberal arts education including expected participation in first-year seminars and interdisciplinary courses. The college emphasizes excellence in teaching, learning beyond the traditional classroom, international perspectives, and collaborative research among students and faculty.

Located in a diverse community close to Madison, Milwaukee, and Chicago, Beloit is a selective undergraduate liberal arts college of approximately 1250 students from 48 states and 40 countries. It is recognized as one of the Colleges That Change Lives and in 2014 was recognized among the Great Colleges to Work For.

Because equity and inclusion are central to our students' liberal education and vital to the thriving of all members of our residential learning community, Beloit College aspires to be an actively anti-racist institution. We recognize our aspiration as ongoing and institution-wide, involving collective commitment and accountability. We welcome employees who are committed to and will actively contribute to our efforts to celebrate our cultural and intellectual richness and be resolute in advancing inclusion and equity. We encourage all interested individuals meeting the criteria of the described position to apply.

Submit a letter of interest, curriculum vitae, statements of teaching and research interests, transcripts, and three letters of reference to Sarah Arnsmeier at [chemistrysearch@beloit.edu](mailto:chemistrysearch@beloit.edu). Review of applications will begin October 30, 2015. For more information about Beloit College see <http://www.beloit.edu> and <http://chemistry.beloit.edu/classes>. AA/EEO Employer

**The Department of Chemistry and Biochemistry at the University of Montana - Missoula** invites applications for a tenure-track faculty position in Environmental Chemistry at the Assistant Professor level to begin August 2016. We welcome applications from scientists with expertise in any area of environmental chemistry. Postdoctoral experience is required. The successful candidate will be expected to teach general, analytical or environmental chemistry courses at the undergraduate and graduate level. We are a small Ph.D. granting department with 15 tenure-line faculty and ~25 graduate students with a strong extramural research program. Excellence in research and undergraduate and graduate education are expected. See <http://hsweb.hs.umt.edu/chemistry/default.php> for more information about the Department and University.

UM, the College of Humanities and Sciences, and the Department embrace diversity as a core value. Applications from persons with diverse backgrounds are especially welcome. Screening of applications will begin on November 15, 2015 and will continue until the position is filled. Inquiries and letters of recommendation should be directed to the Department at: [chemistry@umontana.edu](mailto:chemistry@umontana.edu) Applicants are required to submit all application materials, including a letter of intent, full CV, a summary of research plans, and a statement of teaching philosophy to: [Environmental Chemistry Faculty Position](#). The University of Montana is a ADA/EOE/AA/Veteran's Preference Employer.

**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

**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 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 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.

**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 to 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).