

2014 WEEKLY BULLETIN
DEPARTMENT OF CHEMISTRY, NORTHWESTERN UNIVERSITY
EVANSTON, ILLINOIS
October 13, 2014

Tuesday October 14th: *Faculty Lunch Seminar: Neil Kelleher*
Tech K140
12:00 – 1:00pm

Friday October 17th: *Chemistry Colloquium: Albert Fahrenbach*
Tech LR3
4:00 – 5:00pm

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

BIP

Meets every Friday at 2:45pm in Tech K140

Arrivals

There were not any new arrivals last week

Opportunities

The Department of Chemistry at the University of Alberta invites applications for three tenure-track faculty positions. The starting date is July 1, 2015. The rank for these positions is directed at the Assistant or Associate Professor level. The Department seeks applicants in the fields of: 1) Organic Chemistry with an emphasis on Medicinal or Green Chemistry 2) Environmental Chemistry and 3) Biomaterials, including tissue engineering, DNA related sensing and nanotechnologies, and Synthetic Biology. Preferential consideration will be given to outstanding individuals whose research areas are of consensual interest to the faculty and complement current expertise in the Department. The Department has vibrant research programs encompassing most areas of modern chemistry including materials and nanoscience, catalysis, polymer chemistry, spectroscopy, synthesis and medicinal chemistry, chemical biology, computational chemistry, and instrumentation and analysis (www.chem.ualberta.ca). An outstanding research environment is offered with access to excellent support facilities.

The candidate must hold a Ph.D., will have demonstrated excellence in research and a strong ability to communicate. The successful candidate will show outstanding promise in research and a strong commitment to graduate and undergraduate teaching. They will establish their own funded research program, and supervise and teach graduate and undergraduate students.

Interested individuals should submit a curriculum vitae, a clear statement of which field they are applying in, a proposal that details innovative and original research, a statement of teaching philosophy, and arrange to have three confidential letters of reference sent on their behalf.

The application deadline is October 30, 2014.

How to Apply:

Mail

Professor D Jed Harrison, Chair
Department of Chemistry
E3-38 Gunning/Lemieux Chemistry Centre
University of Alberta
Edmonton, AB Canada T6G 2G2

Email

chair@chem.ualberta.ca

All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority. If suitable Canadian citizens or permanent residents cannot be found, other individuals will be considered.

The University of Alberta hires on the basis of merit. We are committed to the principle of equity in employment. We welcome diversity and encourage applications from all qualified women and men, including persons with disabilities, members of visible minorities, and Aboriginal persons.

The Department of Chemistry at Purdue University, West Lafayette, invites applications for a tenure-track faculty position at the Associate or Full Professor level in chemical education. This individual would contribute to and complement the research activities of the chemical education division in an outstanding chemistry department that strongly support efforts in chemical education. Successful candidates should have a Ph.D. degree, a strong background in chemistry, and exceptional promise and/or achievements in research in chemical education.

Successful candidates are expected to develop an externally funded and nationally prominent research program. The successful candidate will also be expected to teach chemistry at the undergraduate level and either chemistry or science education at the graduate level, and supervise graduate students doing research toward M.S. and Ph.D. degrees in chemical education and/or science education. The position carries the possibility of a courtesy appointment in the College of Education.

Applicants should submit a letter of application with curriculum vita, a summary of planned research, and a statement of how the science/chemistry education research literature informs their teaching philosophy electronically at: <https://academicjobsonline.org/ajo/jobs/4312>.

Applicants should also arrange for three letters of recommendation to be uploaded. Applications will be reviewed beginning October 15, 2014, and will remain in consideration until the position is filled. See <http://www.chem.purdue.edu/> for further details.

A background check will be required for employment in this position. Purdue University is an ADVANCE institution.

Purdue University is an EEO/AA employer fully committed to achieving a diverse workforce. All individuals, including minorities, women, individuals with disabilities, and protected veterans are encouraged to apply.

The Department of Chemistry at Purdue University, West Lafayette, invites applications for a tenure-track faculty position at the Assistant Professor level in inorganic chemistry. Successful candidates may have interests in any research area of inorganic chemistry, broadly defined. Purdue has a tradition of excellence in inorganic chemistry and the Department is looking to integrate a creative scientist into the cutting edge interdisciplinary environment provided by Purdue University.

Successful candidates must have a doctorate degree in chemistry or related field, have demonstrated excellence in research and teaching, and are expected to establish a vibrant research program supported by extramural funding and teach courses at the undergraduate and/or graduate level.

Applicants should submit a letter of application with curriculum vita, a summary of planned research and a statement on teaching philosophy electronically at: <https://academicjobsonline.org/ajo/jobs/4311>
Applicants should also arrange for three letters of recommendation to be uploaded. Applications will be reviewed beginning October 15, 2014, and will remain in consideration until the position is filled.
A background check will be required for employment in this position. Purdue University is an ADVANCE institution. Purdue University is an EEO/AA employer fully committed to achieving a diverse workforce. All individuals, including minorities, women, individuals with disabilities, and protected veterans are encouraged to apply.

The University of North Carolina at Chapel Hill As part of a continuing commitment to building a culturally diverse intellectual community and advancing scholars from underrepresented groups in higher education, The University of North Carolina at Chapel Hill Carolina Postdoctoral Program for Faculty Diversity (CPPFD) is pleased to offer postdoctoral research appointments for a period of two years. The purpose of CPPFD is to develop scholars from underrepresented groups for possible tenure track appointments at the University of North Carolina and other research universities. Postdoctoral scholars will be engaged full-time in research and may teach only one course per fiscal year. This program is funded by the State of North Carolina. The CPPFD is a nationally recognized and extremely competitive program. We typically receive more than 750 applications per year and typically fund 4-5 new postdoctoral researchers per year.

Applications for study in any discipline represented on the campus are welcome. Please specify your discipline of interest when applying.

Stipend

- \$42,000 per calendar year
- \$2,000 per year research fund for research expenses, including travel.

Eligibility

- Applicants must have completed their doctoral degree within the past five years and no later than July 1st of the current year.
- The primary criterion for selection is evidence of scholarship potentially competitive for tenure track appointments at the University of North Carolina and other research universities.
- AN IMPORTANT SECONDARY CRITERION IS THE SUPPORT OF PROSPECTIVE DEPARTMENTS.
- Preference will be given to U.S. citizens and permanent residents. The University of North Carolina at Chapel Hill strongly encourages applications from African American, Native American and Hispanic scholars.

Application materials

- Cover letter addressed to Vice Chancellor Barbara Entwisle
- Curriculum vitae
- A statement of research plans (1-3 pages)
- A personal statement on why you should be selected for this program (1–3 pages)
- Writing samples (e.g., publications and/or dissertation chapters) – Visual Artists should include a portfolio of their artwork in lieu of writing samples.*
- Three references for letters of recommendation

**VA Candidate's Portfolio should include on a CD/DVD up to 16 images and/or 4 videos as well as a short description of each image/video. The CD/DVD should be mailed separately to:*

Office of Postdoctoral Affairs

The University of North Carolina at Chapel Hill

301 Bynum Hall, CB#4100

Chapel Hill, NC 27599-4100

The application deadline is November 15 at 11:59 EST.

Contact Information

For questions or additional information regarding the Carolina Postdoctoral Program for Faculty Diversity, please contact:

Jennifer Pruitt
Program Coordinator
jennifer_pruitt@unc.edu
Sibby Anderson-Thompkins
Director, Office of Postdoctoral Affairs
opa@email.unc.edu

Department of Pharmaceutical Sciences at The University of Maryland Baltimore School of Pharmacy

has an FDA funded postdoctoral position available in the Michel laboratory. The Michel laboratory is part of a team that is initiating a clinical trial focused on evaluating iron speciation in the blood plasma of patients who have been treated with generic and brand-named sodium ferric gluconate products to treat anemia. The postdoctoral fellow will lead the development of high-throughput assays to measure iron speciation in blood plasma utilizing cutting edge inductively coupled plasma mass spectrometry (ICP-MS) approaches. A second aspect of the project will involve the development of physical methods to characterize the physiochemical properties of the sodium ferric gluconate nanoparticle products utilized in the clinical trial. The postdoctoral fellow will also have the opportunity to collaborate with faculty and researchers from the UMB Mass Spectrometry Waters Center for Innovation to develop high throughput LC/MS assays to measure oxidative stress and toxicity in blood plasma.

The ideal candidate will have a strong background in bioinorganic chemistry and an interest in translational research in the area of metals in medicine. Interested candidates are asked to send a CV and have 2 letters of recommendation forwarded to Dr. Michel at smichel@rx.umaryland.edu. For more information on research in the Michel laboratory see: <http://faculty.rx.umaryland.edu/smichel/>

Nanophotonics Lab at Emory University is seeking postdoctoral researchers. Applicants must have a PhD in physics or a related field. Prior research experience in the field of spectroscopy/microscopy of nanomaterials, optics, plasmonics or nano-fabrication is a plus.

The candidate will have opportunity to work in a lively and stimulating scientific environment at the beautiful Emory campus. Successful candidates will be offered competitive stipend/salary commensurate with experience and accomplishments. For more information visit <http://bit.ly/1sK2dfm>.

Please send applications (including CV, list of publications, and two references) to prof. Hayk Harutyunyan at hayk.harutyunyan@emory.edu.

The Department of Chemistry at New York University (NYU) invites applications for a tenure-stream faculty position in experimental physical, biophysical, or inorganic chemistry as part of its Laboratory for Molecular Nanoscience. While we expect to hire at the junior level, exceptional senior level candidates will be considered. The anticipated start date is September 1, 2015, pending budgetary and administrative approval. The Department of Chemistry at NYU is implementing a significant growth plan, including the creation of the Biomedical Chemistry Institute, the Molecular Design Institute, and the addition of numerous senior and junior faculty members. In addition to establishing a vigorous research program, duties will include undergraduate and graduate teaching.

Applicants should have an outstanding record of research and a commitment to teaching. Applications must include a curriculum vitae, a list of publications, and statements of future research and teaching plans. These materials, as well as three reference letters, must be submitted to our web-based application system using the following link: www.nyuopsearch.com/applicants/Central?quickFind=52152

Application review will begin October 15, 2014. Questions about this position can be sent by Email to chemistry.search@nyu.edu. NYU is an Equal Opportunity/Affirmative Action Employer.

The Department of Chemistry and Biochemistry of the University of Maryland anticipates making a tenure-track faculty appointment, starting August 2015. Candidates at all tenure levels with exceptional records of research accomplishment, visibility and vision are invited to apply. Leaders in the chemical sciences who complement our existing research strengths, push disciplinary boundaries and are committed to developing stellar academic programs are sought. As a key department in the world-class College of Computer Science, Mathematical, and Natural Sciences, Chemistry and Biochemistry faculty play important roles in major University and federally-funded Centers, and enjoy close interactions and collaborations with nearby government labs that include NIH, ARL, NRL, FDA, NASA, and NIST. The University of Maryland, College Park is the flagship campus of the University of Maryland System and is ideally situated in close proximity to Washington, D.C., Baltimore, and Maryland's 270 Technology Corridor. Inquiries and/or nominations should be addressed to chembchm2015fac@umd.edu. Applications, consisting of a cover letter, curriculum vitae, three-page summary of research plans, statement of educational interests, and three references, must be submitted electronically to: ejobs.umd.edu.

Qualifications: We seek scholars who have or will build highly visible, widely acclaimed research programs and have or will achieve excellence in education. Candidates are expected to have a Ph.D. degree, demonstrated accomplishments in independent research, and be an effective educator in the chemical sciences.

Salary: Commensurate with qualifications.

Deadline: Review of applications will begin October 20, 2014, but we will continue to accept applications until the positions are filled.

AN EQUAL OPPORTUNITY, AFFIRMATIVE ACTION EMPLOYER. APPLICATIONS FROM WOMEN AND MINORITIES ARE ENCOURAGED

The "Synthesis and Biological Recognition Stream" (SBRS) in the Freshman Research Initiative (FRI) at the University of Texas, at Austin is uniquely designed to provide an organized platform for second-semester freshmen and first-semester sophomores to conduct original research at the exciting interface of chemistry and biology. Students are first taught routine and specialized laboratory and instrumental methods they will need to perform their research using a course manual that is complemented by online instructional videos and modules. Students learn to visualize molecular interactions between proteins and ligands using PyMOL. Small teams of students work together to design potential antagonists they believe will bind to a selected protein target from their analysis of crystallographic data of protein-ligand complexes. Once the small molecule target is identified, the students are trained to use Reaxys and SciFinder to search for reactions and precedent that will enable them to prepare the compound. After preparing the "rationally-designed" ligands, the students determine the thermodynamic binding parameters for its association with its target protein (*e.g.*, mouse major urinary protein, the Src and Grb2 SH2 domains, and HCV protease) using ITC. Interested students can learn the techniques of protein expression and purification, but these tasks are often performed by student "mentors", who have participated in the stream and help supervise new students in addition to performing their own independent research. Some ligands are selected for structural studies by X-ray crystallography, and students assist hanging drops in crystallization screens. Students are evaluated by formal written reports, a lab practicum, oral presentations, a research proposal, and a final research report. *The interdisciplinary curriculum is uniquely designed to provide undergraduates with an applied understanding of advanced laboratory techniques and computational tools in order to develop experimental, technical, writing, and presentation skills and knowledge that will be invaluable in preparing them to enter graduate or professional school or the workplace.*

More Information and How to Apply

The Texas Institute for Discovery Education in Science in the College of Natural Sciences is seeking a Specialist to teach Research Experience courses and conduct research at the interface of organic chemistry and biology as part of its innovative science education program, the Freshman Research Initiative (FRI) and specifically as a leader of the **Synthesis and Biological Recognition Stream (SBRS)**. FRI merges the teaching and research missions of the university by engaging undergraduates in conducting research project(s) related to a faculty member's ongoing research. For more information about the FRI, please visit: <http://cns.utexas.edu/fri> and for more information on the SBRS, see <http://sbrs.cm.utexas.edu/>

Responsibilities include teaching research-based courses, managing a fast-paced undergraduate research group, and coordinating research- and teaching-related activities in the *area of organic synthesis with a focus on applications in biological molecular recognition.* The position is renewable on an annual basis depending on job performance and class enrollments.

Applications will be reviewed and interviews conducted until position is filled. Start dates will be negotiated with the finalists, but preferred start date is between January 15 and April 1, 2015. Qualifications: A Ph.D. or equivalent is required in the field of chemistry, with doctoral or postdoctoral research in organic synthesis. The preferred applicant will also have experience with techniques in biochemistry/molecular biology, which may include testing of organic compounds in biological assays, protein expression, isothermal titration calorimetry, and/or protein crystallography. The preferred candidate will also have experience teaching or mentoring undergraduates.

Applicant Instructions: Please email a cover letter with the contact information for three references, a current CV or resume, and a statement of teaching experience and accomplishments. The official job posting can be found here:

https://facultyjobs.utexas.edu/potential/view_job.cfm?jobID=2353

All application materials should be submitted to:

Erin Dolan

Painter Hall 3.04

103 W. 24th Street, G2550

Austin, TX 78712 edolan@austin.utexas.edu

The Cain Department of Chemical Engineering at Louisiana State University invites applications for up to two tenure-track faculty positions at the Assistant Professor level in the research area of Energy. The positions provide the opportunity to join a Department with a long-standing commitment to excelling in energy research, whether related to traditional fuels, renewable resources, or alternative technologies. Salary will be commensurate with experience. A doctoral degree in chemical engineering (or closely related field) from a recognized institution, and a proven record of academic accomplishment are required. Visit www.eng.lsu.edu/employ to learn more or contact Dr. Krishnaswamy Nandakumar at nandakumar@lsu.edu

The Cain Department of Chemical Engineering at Louisiana State University invites applications for up to two tenure-track faculty positions at the Assistant Professor level in the research area of the Environment. The positions provide the opportunity to perform research on today's environmental challenges – in the context of a Department with a strong record of impact-full environmental research in areas such as atmospheric chemical processes and pollutant transport in aqueous systems. Salary will be commensurate with experience. A doctoral degree in chemical engineering (or closely related field) from a recognized institution, and a proven record of academic accomplishment are required. Visit www.eng.lsu.edu/employ to learn more or contact Dr. Krishnaswamy Nandakumar at nandakumar@lsu.edu

The Department of Chemistry at Texas A&M University is trying to fill several postdoctoral positions with the Gabbai Group. One position is in the area of ^{18}F PET imaging agent synthesis. The successful candidate will be asked to investigate the synthesis and aqueous chemistry of organometallic main group fluorides. The second position is in the more general area of heavy main group element chemistry with applications in anion sensing and solar energy conversion. In addition to being talented chemists, the successful candidates should also show strong leadership skills.

All suitable candidates are encouraged to apply. For more information on our chemistry, please see below or visit <http://www.chem.tamu.edu/rgroup/gabbai/Publications.html>

Optical Studies of Recombination in Thin Film Photovoltaics at University of Washington, Seattle

We seek applications for a postdoctoral research fellow to lead systematic studies of charge generation and recombination losses in novel organic and hybrid photovoltaic materials using a combination of ultrafast transient absorption, modulation spectroscopy, and device measurements. Previous experimental experience with femtosecond transient absorption spectroscopy is highly desirable. A working knowledge of solar cell device physics (organic, hybrid, inorganic or otherwise) would be beneficial, but is not a prerequisite. Applicants should have a strong record of research productivity, and will be expected mentor students and work with faculty with diverse backgrounds in physics, chemistry, and engineering. Interested applicants should email David Ginger directly with a CV, and arrange for 2 letters of reference to be sent separately (ginger@chem.washington.edu).

The Department of Chemistry and Biochemistry of the University of Maryland anticipates making a tenure-track faculty appointment, starting August 2015. Candidates at all tenure levels with exceptional records of research accomplishment, visibility and vision are invited to apply. Leaders in the chemical sciences who complement our existing research strengths, push disciplinary boundaries and are committed to developing stellar academic programs are sought. As a key department in the world-class College of Computer Science, Mathematical, and Natural Sciences, Chemistry and Biochemistry faculty play important roles in major University and federally-funded Centers, and enjoy close interactions and collaborations with nearby government labs that include NIH, ARL, NRL, FDA, NASA, and NIST. The University of Maryland, College Park is the flagship campus of the University of Maryland System and is ideally situated in close proximity to Washington, D.C., Baltimore, and Maryland's 270 Technology Corridor.

Inquiries and/or nominations should be addressed to chembchm2015fac@umd.edu. Applications, consisting of a cover letter, curriculum vitae, three-page summary of research plans, statement of educational interests, and three references, must be submitted electronically to: www.ejobs.umd.edu

Qualifications: We seek scholars who have or will build highly visible, widely acclaimed research programs and have or will achieve excellence in education. Candidates are expected to have a Ph.D. degree, demonstrated accomplishments in independent research, and be an effective educator in the chemical sciences.

Salary: Commensurate with qualifications.

Deadline: Review of applications will begin October 20, 2014, but we will continue to accept applications until the positions are filled.

AN EQUAL OPPORTUNITY, AFFIRMATIVE ACTION EMPLOYER. APPLICATIONS FROM WOMEN AND MINORITIES ARE ENCOURAGED

The UCLA Department of Chemistry and Biochemistry (www.chemistry.ucla.edu) is seeking outstanding candidates for a tenure track faculty position in Inorganic Chemistry at the Assistant Professor level. We invite candidates in any area of inorganic chemistry including bioinorganic, nanoscience, organometallic and solid state to apply. The successful applicant will be expected to develop a strong and creative research program and contribute to teaching in inorganic chemistry at the undergraduate and graduate levels. Ph.D. required.

All applications must be uploaded through UCLA Academic Recruit at <https://recruit.apo.ucla.edu/apply/JPF00413>.

Candidates should provide a cover letter, a curriculum vitae, a list of publications, a summary of research accomplishments (1-2 pages), and future research plans (3 pages max.). In addition, candidates should arrange for 3 letters of reference to be uploaded to UCLA Academic Recruit.

To assure consideration, all application materials and letters should be received by October 15, 2014.

The University of California Los Angeles and the Department of Chemistry and Biochemistry are interested in candidates who are committed to the highest standards of scholarship and professional activities, and to the development of a campus climate that supports equality and diversity. The University of California 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, age or protected veteran status. For the complete University of California nondiscrimination and affirmative action policy see: UC Nondiscrimination & Affirmative Action Policy. The UCLA campus has policies that address dual academic and non-academic career issues.

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

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

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

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

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

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

The Department of Chemistry at the University of Texas at El Paso (UTEP) invites applications for a tenure-track assistant professor position in all aspects of Medicinal Chemistry. The anticipated appointment date is fall 2015 or earlier. The successful candidate is expected to establish an extramurally-funded research program; to teach and mentor undergraduate, master's, and doctoral students; and to be a member of the Border Biomedical Research Center (BBRC). The BBRC has multiple state-of-the-art laboratories and core

facilities, including those focused on proteomics, metabolomics, genomics, cell imaging, high-throughput screening (HTS) analyses, and bioinformatics and biostatistics. Major resources at BBRC include: gas and liquid chromatography---mass---spectrometry (GC---MS and LC---MS) systems, two high-content imaging (HCI) systems for HTS of libraries of small molecule inhibitors, a surface---plasmon resonance system, a new---generation Illumina DNA sequencing system, and electron and confocal microscopes. The BBRC also features newly constructed BSL3/ABSL3 facilities. The Department of Chemistry is housed in the newly completed Chemistry and Computer Science building which has facilities for NMR spectroscopy, mass spectrometry, EPR, x---ray crystallography, and cryoelectron microscopy. Candidates' research should have a strong potential for extramural funding and for the establishment of collaborations with other BBRC laboratories. Preference will be given to candidates whose research employs innovative approaches in areas including the design, generation, and analysis of bioactive compounds, and the manipulation of their pharmacokinetic and pharmacodynamic properties and their bioavailability.

ABOUT UTEP AND EL PASO: Located on the culturally vibrant U.S.---Mexico border, The University of Texas at El Paso is an emerging national research university with more than 23,000 students. The University's rapidly growing research portfolio in the sciences, engineering, health fields, and other areas brings in more than \$83 million per year, ranking UTEP fourth in federal research expenditures among the public universities in Texas. El Paso is a highly livable, bicultural community of 800,000 people, which offers affordable homes and attractive neighborhoods. It is the safest large city in the United States. Shielded by mountains on three sides, El Paso experiences more than 300 days of sunshine annually, and residents enjoy outdoor activities year---round. The city of El Paso is adjacent to both the state of New Mexico and the country of Mexico, making it the nation's leading area for cultural diversity and border health research. Comprising 248 square miles, El Paso is the sixth largest city in Texas and 19th largest city in the United States. El Paso's active arts and culture community features the state's longest running symphony orchestra, a nationally recognized chamber music festival, art galleries, history museums, and a full schedule of seasonal festivals and events. UTEP adds to the arts scene with an award---winning dinner theater, music and dance productions, contemporary and student art galleries, and a natural history museum. For sports fans, the UTEP Miners offer exciting Division I college athletics at Sun Bowl Stadium, the Don Haskins Center and Kidd Field. Southwest University Park located in El Paso's lively downtown is home to the El Paso Chihuahuas, the San Diego Padres AAA baseball team.

REQUIRED QUALIFICATIONS: Applicants must have a Ph.D. or equivalent degree, postdoctoral research experience, and a strong record of research accomplishments.

APPLICATION PROCEDURES: Review of applications will begin immediately and will continue until the position is filled. Candidates should send a letter of interest, curriculum vitae, statement of research interest, a brief description of teaching philosophy, and complete contact information for at least three references to the following address:

Dr. Katja Michael
Medicinal Chemistry Search Committee Chair
Department of Chemistry
University of Texas at El Paso
500 West University Avenue
El Paso, TX 79968
Email: kmichael@utep.edu

The University of Texas at El Paso is an Equal Opportunity/Affirmative Action Employer. The University does not discriminate on the basis of race, color, national origin, sex, religion, age, disability, genetic information, veteran status, or sexual orientation in employment or the provision of services.

The Department of Chemistry and Biochemistry at The University of Toledo invites applications for two tenure-track faculty positions, one each in biochemistry and organic chemistry. Applicants in all areas of biochemistry and organic chemistry are encouraged to apply. These positions are expected to be at the Assistant Professor level, but senior appointments will be considered for applicants with strong records of research accomplishments. A Ph.D. degree in chemistry, biochemistry or a closely related field is required; postdoctoral experience is preferred. The successful candidates will begin their appointment August 2015, will be expected to teach in the undergraduate and graduate (M.S. and Ph.D.) programs, and establish and maintain an externally funded research program in their area of expertise. Opportunities for intra-university collaborations are possible through several research focus areas including the School of Green Chemistry and Engineering.

The University of Toledo is a comprehensive state institution with an enrollment of approximately 21,000 students located on an attractive suburban campus. The University offers competitive salaries and excellent start-up and benefits packages. Further information is available at <http://www.utoledo.edu/nsm/chemistry/>. Applicants must submit to <https://jobs.utoledo.edu> a cover letter, current curriculum vitae, a summary of research plans, and a statement of teaching philosophy as a single pdf file and arrange to have three recommendation letters sent to: utchem@utoledo.edu. Review of applicants will begin on October 15, 2014 and continue until the positions are filled. The Department encourages applications from minorities, women and persons with disabilities. The University of Toledo is an Affirmative Action/Equal Opportunity Employer M/F/D/V.

The Department of Chemistry and Biochemistry at Baylor University invites applications for an Assistant Professor level tenure-track Analytical faculty to begin August 2015.

Candidates will be evaluated based on (i) their potential and/or existing track record in developing an internationally recognized, externally funded research program and (ii) their desire to excel as a teacher at both the undergraduate and graduate levels. Preference will be given to applicants with demonstrated experience and continued interest in solving problems at the interface of the chemical and biological sciences.

Submit applications in a single PDF file in the following order: cover letter, curriculum vitae, research plans and estimated start-up costs, official Ph.D. transcripts, and contact information for three references. Applications will be reviewed beginning 10/30/2014 and will be accepted until the position is filled. All correspondence should be directed to Touradj Solouki, Search Committee Chair, Department of Chemistry and Biochemistry, Baylor University, One Bear Place #97348, Waco, TX 76798; materials may be submitted electronically to Barbara_Rauls@baylor.edu

Baylor is the world's largest Baptist University and aspires to become a top-tier research university while reaffirming and deepening its distinctive Christian mission as described in *Pro Futuris* (<http://www.baylor.edu/profuturis/>). Baylor's mission is to educate men and women for worldwide leadership and service by integrating academic excellence and Christian commitment with a caring community.

Baylor is a Baptist university affiliated with the Baptist General Convention of Texas. As an AA/EEO Employer, Baylor encourages minorities, women, veterans and persons with disabilities to apply.

The Department of Chemistry at Washington University in St. Louis seeks to make a faculty appointment to begin in the fall of 2015 in bioorganic, polymer, or biomaterials chemistry, broadly defined. 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 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 with the following in the subject line: "Bioorganic, Polymer, or Biomaterials Chemistry Position." Applicants should also arrange for three letters of reference to be sent to chemsearch@wustl.edu, with signed originals sent to:

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

Completed applications for the position must be received by **15 October 2014** 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 are especially encouraged to apply.

The Chemistry Department of Macalester College invites applications for a tenure-track position in organic chemistry at the assistant professor level to begin in the fall of 2015. A Ph.D. is required and post-doctoral experience in either an academic or an industrial setting is preferred. We are particularly interested in candidates with expertise in polymers or materials science. We seek applicants who are committed to excellence both in teaching and in engaging undergraduates in research. The successful candidate will be expected to teach classes in organic chemistry every semester, regularly offer advanced elective courses, periodically offer courses appropriate for non-science majors and the College's First-Year Seminar program, and develop a research program that leads to publications with student co-authors and that attracts external funding. To apply, upload an application letter, curriculum vitae, and statements of teaching philosophy and research plans to www.academicjobsonline.org. Also arrange for undergraduate and graduate transcripts and three letters of reference to be uploaded to the same web site. Address questions to Professor Keith T. Kuwata, Chair, (kuwata@macalester.edu , 651-696-6768). Applications received by 15 October 2014 will receive full consideration.

Macalester College is a highly selective, private liberal arts college in the vibrant and diverse Minneapolis-Saint Paul metropolitan area, which has a population of approximately three million and is home to numerous colleges and universities, including the University of Minnesota. Macalester's diverse student body comprises over 1900 undergraduates from 49 states and the District of Columbia and over 90 nations. The College maintains a longstanding commitment to academic excellence with a special emphasis on internationalism, multiculturalism, and service to society. We are especially interested in applicants dedicated to excellence in teaching and research/creative activity within a liberal arts college community. As an Equal Opportunity employer supportive of affirmative efforts to achieve diversity among its faculty, Macalester College strongly encourages applicants from women and members of underrepresented minority groups.

The Department of Chemistry at the University of Rochester (NY) invites applications for one position in the area of inorganic chemistry, broadly defined, and one position in the area of theoretical chemistry, broadly defined. This search is primarily for candidates at the junior level, but exceptional senior candidates can also be considered. Candidates are expected to establish an outstanding program of original research and to be effective teachers at the graduate and undergraduate levels. Application materials are to be submitted online at <https://www.rochester.edu/fort/chm/>. Materials to be submitted must include a *curriculum vitae* indicating graduate and postdoctoral advisors, a statement of research plans and a statement of teaching interests. Junior candidates will also enter the names and email addresses of three references. The references will be notified by email with instructions for online submission of letters. The department will solicit letters for senior candidates.

Review of complete applications will begin on October 15, 2014. Questions may be sent to facrec@chem.rochester.edu. The University of Rochester has a strong commitment to diversity and actively encourages applications from groups underrepresented in higher education. The University is an Equal Opportunity Employer.

The Department of Chemistry at the University of California, Irvine invites applications from outstanding individuals for a tenure-track position at the Assistant Professor level in the broad field of Inorganic Chemistry. Candidates must have a PhD in Chemistry or a related field; postdoctoral experience is desirable. The position requires both the establishment of a vigorous research program involving any aspect of inorganic chemistry, and a strong commitment to excellence in teaching at both the undergraduate and graduate levels.

Applications must be submitted electronically via the Internet at <http://recruit.ap.uci.edu/apply/JPF02554>. Applicants should upload a cover letter, a curriculum vita (including a publication list), and a concise statement of proposed research. A separate statement that addresses past and/or potential contributions to diversity, equity and inclusion should also be included in the application materials. At least three letters of recommendation are required. Applications and supporting materials should be received by October 15, 2014 for full consideration.

The University of California is an Equal Opportunity/Affirmative Action Employer advancing inclusive excellence. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability, age, protected veteran status, or other protected categories covered by the UC nondiscrimination policy.

Huntsman Cancer Institute (HCI) in conjunction with the Department of Medicine, Division of Medical Oncology, and the Department of Medicinal Chemistry of the Skaggs Pharmacy Institute, at the University of Utah, invite applications for a tenure-track faculty position, at the rank of assistant professor. We are searching for talented investigators with the potential to develop outstanding research programs in the area of medicinal chemistry directed toward cancer therapeutic discovery. In addition to their academic interests, the successful candidate is expected to develop programs that will result in new commercial activities.

Huntsman Cancer Institute is an NCI-designated cancer center and a member of the National Comprehensive Cancer Network. HCI has a strong history of academic achievement and a commitment to excellence in service, teaching, and research, including laboratory, clinical, and population sciences. Sunil Sharma, MD, FACP, serves as the Chief of the Division of Medical Oncology in the Department of Medicine, and as Senior Director of Clinical Research and Director of the Center for Investigational Therapeutics at Huntsman Cancer Institute.

This position will be part of HCI's Center for Investigational Therapeutics, which is a transdisciplinary program for development of novel cancer therapeutics. It is anticipated that the new hire will work closely with translational cancer researchers and have dual appointments in the Department of Medicinal Chemistry and the Division of Medical Oncology. For more information, visit www.huntsmancancer.org, www.utahinternalmedicine.org, and www.pharmacy.utah.edu/medchem

The position is also part of the Utah Science, Technology, and Research Initiative (USTAR), which was funded by the Utah Legislature to attract focused teams of outstanding researchers who have the potential to build major fundamental research programs that will lead to the commercialization of new technologies and/or build new industries for Utah. Information about the USTAR initiative and past hires can be found at www.ustar.utah.edu.

Candidates should submit a cover letter, a complete curriculum vitae, and a statement of research plans. The names of at least three references should be included in the submitted documents. Review begins immediately and continues until the position is filled or the search is closed.

Huntsman Cancer Institute
Attn: Recruitment Office, Room 5363
2000 Circle of Hope, Salt Lake City, UT 84112-5550 Email: hci.recruitment@hci.utah.edu

Or, to apply online, please visit the following link: <http://utah.peopleadmin.com/postings/33295>

The Department of Chemistry and Chemical Biology at Cornell University is searching for tenure-track faculty member at the Assistant Professor level. Outstanding candidates with research interests in inorganic, materials, organic, and theoretical chemistry are encouraged to apply. A Ph.D. degree is required, and postdoctoral experience is preferred.

Application materials should be submitted electronically to Academic Jobs Online at <https://academicjobsonline.org/ajo/jobs/4364>. Applicants should submit a curriculum vitae, graduate transcript, separate statements of research experience, proposed research, and teaching interests, and have at least three letters of recommendation submitted. The cover letter should clearly specify which sub-discipline listed above best describes the applicant's proposed research program along with one area of secondary interest. **The deadline for submitting applications is October 15, 2014.** Please direct questions to chemfacsearch@cornell.edu

Diversity and Inclusion are a part of Cornell University's heritage. We are an employer and educator recognized for valuing AA/EEO, Protected Veterans, and Individuals with Disabilities. We actively encourage applications of women, persons of color, and persons with disabilities.

Abbe Center of Photonics at Friedrich-Schiller-Universität Jena, Germany is searching for a Junior Research Group Leader (m/f).

The appointee is expected to establish an independent research group at the Abbe Center of Photonics. Being an interfaculty center of the university, the Abbe Center of Photonics runs a competitive research and education program in fundamental and applied photonics science embedded in a one-of-a-kind research infrastructure. This is an open topic call focusing on the excellence of early career scientists. The university encourages an increase in the number of women in leading positions in science, and therefore women are especially encouraged to apply. As such the position will be filled under the condition of being financed by the Pro-Excellence program issued by the State of Thuringia with the aim to strengthen gender equality in science. The appointee will receive funding of up to 600.000 EUR for up to five years which should be used to finance his/her own salary and the start of an independent research program. The salary is based on qualification and experience according to state regulations (TV-L). Further funds can be accessed on a competitive basis. In addition, the junior research group will be given access to lab and office space as well as equipment in the center's new top-notch research building. The earliest start of the appointment is January 1st, 2015, and it is limited to December 31st, 2019.

The candidates should already have documented their potential for excellent science by an outstanding quality of their Doctorate/PhD research in optics and photonics. Furthermore, they should demonstrate the ability to supervise students and their leadership potential to run a research team. A successful postdoc period is highly appreciated. Knowledge of German is an advantage, but due to the international character of the center not strictly necessary.

Besides the standard documents, applications should include the contact details of three referees supporting the application, a filled-in application form (download at www.acp.uni-jena.de/career), and a detailed description of the proposed research program indicating also the networking and contribution to the established fields of the Abbe Center of Photonics. Applications quoting reference no. 143/2014 should be sent by email to acp@uni-jena.de before October 19, 2014.

Applications of handicapped people will be given preference in the selection among equivalently qualified competitors.

For further information, please contact Dr. Christian Helgert (christian.helgert@uni-jena.de) and refer to www.acp.uni-jena.de.

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

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

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

Further information on the Chemistry Department is linked at: <http://chemistry.ucdavis.edu/>
Interested candidates should upload a cover letter, curriculum vitae, names and addresses of three references, statement of research and a statement of teaching to: <https://recruit.ucdavis.edu/apply/JPF00334>
This position will be "Open Until Filled", but for full consideration applications should be completed by October 31, 2014. The University of California is an Equal Opportunity/Affirmative Action Employer.

Elon University and the Department of Chemistry invite applicants for a tenure-track Assistant Professor position in Inorganic Chemistry beginning August 2015. The position is opened for all areas of Inorganic Chemistry, but seeks candidates whose interests include bioinorganic, organometallics, materials or nanotechnology. A Ph.D. in Inorganic Chemistry or closely-related area is required and post-doctoral experience is preferred. Successful candidates must demonstrate the potential for excellence in undergraduate teaching and the commitment to sustained research involving undergraduate students. Teaching responsibilities include Inorganic Chemistry, General Chemistry I and II, and the associated lab courses along with the development of courses for non-majors. Additional upper-level elective courses may be possible depending on faculty expertise. Further, all tenure-track faculty members are expected to contribute to Elon's Core Curriculum. Elon is a dynamic private, co-educational, comprehensive institution that is a national model for actively engaging faculty and students in teaching and learning. To learn more about Elon, please visit us at www.elon.edu

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

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

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

The National Research Council of the National Academies sponsors a number of awards for graduate, postdoctoral and senior researchers at [participating federal laboratories and affiliated institutions](#). These awards include generous stipends ranging from \$45,000 - \$80,000 per year for recent Ph.D. recipients, and higher for additional experience. [Graduate](#) entry level stipends begin at \$30,000. These awards provide the opportunity for recipients to do independent research in some of the best-equipped and staffed laboratories in the U.S. Research opportunities are open to U.S. citizens, permanent residents, and for some of the laboratories, foreign nationals.

Detailed program information, including online applications, instructions on [how to apply](#) and a [list of participating laboratories](#), is available on the NRC Research Associateship Programs [Website](#) (see link above).

Questions should be directed to the NRC at 202-334-2760 (phone) or rap@nas.edu. There are four annual review cycles.

Review Cycle: **August**; Opens June 1; Closes August 1
Review Cycle: **November**; Opens September 1; Closes November 1
Review Cycle: **February**; Opens December 1; Closes February 1
Review Cycle: **May**; Opens March 1; Closes May 1

Applicants should contact prospective Adviser(s) at the lab(s) prior to the application deadline to discuss their research interests and funding opportunities. More detailed information and an online application can be found at www.nationalacademies.org/rap.