

2019 WEEKLY BULLETIN
DEPARTMENT OF CHEMISTRY, NORTHWESTERN UNIVERSITY
EVANSTON, ILLINOIS
October 21, 2019

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

Tuesday October 22nd: *Faculty Lunch Seminar: SonBinh Nguyen*
Tech K140
12:00-1:00pm

Wednesday October 23rd: *Department of Chemistry Colloquium:*
Professor Hongcai "Joe" Zhou, Texas A&M University
Tech LR3
3:00-4:00pm

Arrivals

We did not have any new arrivals

BIP

BIP every Friday at 10:00 am in Tech K140

Announcements

Congratulations to Yishu Jiang for being selected to be the recipient of the 2019 Gerrhard Closs Graduate Student Award by the Inter-America Photochemical Society. This award recognizes the excellent work done as a graduate student with Professor Emily Weiss.

Opportunities

The Department of Chemistry at Duke University, located in Durham, NC, seeks to hire a tenure-track faculty member at the assistant professor level. Candidates from all areas of chemistry are encouraged to apply; competitive candidates will have strong commitments to research, teaching, and embracing a diverse and inclusive community of scholars.

Applicants should submit a cover letter, curriculum vitae to include publications, description of research plans, and a statement describing your philosophy on teaching, mentoring and managing a research group. In your cover letter, please specify one or more sub-disciplines that best represents your research and teaching interests (analytical, biological, inorganic, materials, organic, physical, theoretical). Applicants should also arrange to have three letters of recommendation submitted on their behalf. Applications received by November 1 via the following website will be guaranteed consideration:
<https://academicjobsonline.org/ajo/jobs/14508>.

The Department of Chemistry at The University of Texas at San Antonio

(<https://chemistry.utsa.edu>) invites applications for a Tenure-Track Assistant Professor position beginning fall 2020. UTSA is a vibrant and growing campus with a diverse faculty focused on scholarship

and the education of a multicultural community of students. Candidates must have the ability to work with and be sensitive to the educational needs of a culturally diverse urban population and be willing to contribute to UTSA's commitment to thrive as a Hispanic Serving Institution and a model for Student Success. Candidates from all subdisciplines of chemistry are welcome to apply especially those with expertise in Biochemistry or Physical Chemistry.

Candidates must have a Ph.D. in Chemistry/Biochemistry or a related field with postdoctoral experience desirable. Responsibilities will include, but are not limited to, (1) scholarly activities entailing the development of a robust, externally funded research program, (2) teaching courses to a diverse student body at the undergraduate and graduate levels, and (3) participation in institutional service activities. Screening of applications will begin November 1, 2019 and continue until the position is filled. Interested applicants can submit their application package (as a single PDF file) to the STARS website at <https://jobs.utsa.edu/>. The application package should include: (1) a cover letter indicating the candidate's qualifications, (2) a current curriculum vitae, and (3) a statement of research plans and teaching philosophy, including a discussion on the role diversity and inclusion plays in an academic environment (5-7 pages).

Candidates should also arrange to have three letters of recommendation sent on their behalf to chemfacultysearch@utsa.edu. Those applicants selected for interviews must be able to show proof that they will be eligible and qualified to work in the United States by the time of hire.

The University of Texas at San Antonio is an Affirmative Action/Equal Opportunity Employer. Women, minorities, veterans, and individuals with disabilities are encouraged to apply.

The University of Missouri (MU) invites applications for two tenure-track faculty positions in the Department of Biochemistry, which is a joint academic division within the College of Agriculture, Food and Natural Resources (CAFNR) and the School of Medicine (SOM). These faculty positions will be affiliated formally with either CAFNR and/or SOM, and responsibilities will include contributions to undergraduate, graduate and medical education. This is the first in a series of recruitments. We seek applications in our areas of interest including plant biochemistry, gene/genome regulation, gene delivery and transgenic technology, synthetic biology, medicinal biochemistry, structural biology and imaging, including development of new molecular markers and reporters. Related areas of research will also be considered.

Responsibilities

We seek dynamic individuals who will lead federally-funded research programs, contribute to undergraduate, graduate and/or medical education programs through instruction and research mentorship, and contribute to academic service on the campus and/or professionally.

Required Qualifications: An earned doctorate.

Preferred Qualifications

A record of research in an area that complements departmental strengths. Appropriate disciplines include agriculturally-relevant biochemistry for one position (plant or animal); biomedically-relevant biochemistry for the other. Applications for these positions at the Assistant Professor level are encouraged, but candidates at a higher level will be considered if there is evidence of continuous extramural research funding, high impact publications and excellence in teaching and service expected of tenured faculty at a research-intensive university. A record of successful post-doctoral research; ability to communicate effectively in a research and educational setting; and evidence of past research collaborations or a willingness to work in related research areas.

About MU and Biochemistry

MU is the flagship campus of the University of Missouri System. The University is located midway between St. Louis and Kansas City in Columbia, a vibrant community consistently ranked among the top small cities to live in the nation. MU Biochemistry has a reputation for excellence in interdisciplinary research and effective instruction. Current strengths include medical biochemistry, plant biochemistry and biophysical, structural and mechanistic biochemistry. The department forms a bridge between fundamental molecular science and translation both into agricultural applications and biomedical advances. Agricultural advances will be supported by the \$28M greenhouse expansion. Biomedical advances will be anchored by the \$225M NextGen Precision Health Institute that will house expanded cryo-Electron Microscopy capabilities.

Application

Submit using online eRecruit system (link below): (1) a cover letter; (2) a curriculum vitae; (3) a one-page summary of research accomplishments with two pages of future plans; (4) a narrative of teaching philosophy and diversity inclusion; and (5) names and contact information of four references. Review of applications will begin on November 15, 2019 and will continue until the position is filled. For information, contact Dr. Scott Peck, Chair of the Search Committee (PeckS@missouri.edu).

Applicants only need to submit information to one of the openings.

<https://biochem.missouri.edu/open-positions/>

This position is eligible for a comprehensive University benefits package, including medical, dental and vision plans, retirement, and educational fee discounts.

The University of Missouri is an Equal Access, Equal Opportunity, and Affirmative Action Employer. We are fully committed to achieving the goal of a diverse and inclusive academic community of faculty, staff and students. We seek individuals who are committed to this goal and our core campus values of respect, responsibility, discovery and excellence.

The Stanford Science Fellows program is focused on incubating new directions in foundational scientific research through an interdisciplinary community of exceptional postdoctoral scholars from around the world who are driven by a sense of wonder about the natural world. The goals of this new postdoctoral training program are:

- To deepen our understanding of the natural world by advancing and bridging disciplines in the physical, mathematical, and life sciences.
- To provide opportunities for exceptionally qualified early-career scientists to develop academic leadership skills focused on fostering scientific discovery, acquire interdisciplinary approaches to foundational scientific research, and broaden science communication skills.
- To recognize and support scholars who bring a diversity of perspectives, identities, and backgrounds, including those from groups who are underrepresented in the sciences.
- To build community at Stanford around frontier research challenges.
- To provide flexibility and resources for bold, independent thinkers to pursue their own scientific research visions.
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Stanford Science Fellowships are intended for exceptional early-career postdoctoral scholars who have recently been awarded their PhD or will be awarded their PhD by the start of the fellowship and who want to pursue research and training in any natural science discipline. International scholars are welcome to apply.

Between 4 to 8 fellows will be selected to start appointments between July 1 and September 1, 2020. Prospective fellows will be considered by a committee of Stanford faculty from departments and schools

across the natural sciences at Stanford. An explicit goal of these selection committees, in addition to selecting candidates with tremendous intellectual strength, will be the enhancement of demographic and intellectual diversity in the scientific community at Stanford.

Learn more about the Stanford Science Fellows and the application at stanfordsciencefellows.stanford.edu.

Stanford Science Fellow appointments will be for three-year terms. Fellows will receive an annual stipend of \$83,000 per year, benefits, and up to \$8,000 per year supplemental funds to support research and professional development.

Interested applicants must apply online (stanfordsciencefellows.stanford.edu) by November 1, 2019. Inquiries may be directed to stanfordsciencefellows@stanford.edu.

Université de Montréal has more than 10,000 employees and is one of Canada's Top 100 Employers. UdeM has Canada's 2nd largest student body and ranks among the top five Canadian research universities, receiving more than half a billion dollars in research funding every year.

The Department of Chemistry is seeking applications for a full-time tenure-track position at the rank of Assistant Professor who specializes in the area of material science.

Through the achievements of the members of its community, UdeM participates in building today's and tomorrow's world.

Responsibilities

The appointed candidate will be expected to develop an outstanding research program in the context of global competitiveness, teach at all three levels of the curriculum, supervise graduate students, engage in ongoing research and publication, and contribute to the academic life and reputation of the University.

Requirements

- Ph.D. in chemistry and post-doctoral training
- Strong research expertise in the area of material science
- University level teaching ability and excellent communication skills
- Ability to develop an active and original high level research program
- Excellent publication track record
- An adequate knowledge of the French written and spoken language or a strong commitment to mastering the proficiency level required, in accordance to Université de Montréal's Language Policy. An institutional learning support program is offered to all professors wishing to learn French or improve their communication skills.

How to submit your application

The application must include the following documents:

- a cover letter
- application must include in the cover letter one of the following statements : “ I am a citizen / permanent resident of Canada.” or “ I am not a citizen or permanent resident of Canada.”
- a curriculum vitae
- a research proposal
- a letter describing the teaching philosophy (max. 1 page)
- copies of recent publications and research

Three letters of recommendation are also to be sent directly to the department chair by the referees.

Application and letters of recommendation must be sent by email to Professor André Charette, chair of the Department of Chemistry:

Professeur André B. Charette

Faculté des arts et des sciences, Département de Chimie, UdeM

Téléphone : (514) 343-6730

Courriel : andre.charette@umontreal.ca

Site Web : www.chimie.umontreal.ca

The Department of Chemistry at Columbia University invites applications for a tenure track Assistant Professor position with a start date of July 1, 2020. All areas of Chemistry will be considered and candidates from all sub-disciplines are encouraged to apply. Successful candidates for this position must have the potential to do innovative and pioneering research and to teach effectively at the undergraduate and graduate levels. Application details may be found on our website at the following link:

<http://pa334.peopleadmin.com/postings/3965>

Louisiana State University and Agricultural and Mechanical College is the premier flagship university for the state of Louisiana, committed to the employment of faculty who are excellent teacher-scholars, nationally competitive in research and creative activities, and who contribute to a world-class knowledge base that is transferable to educational, professional, cultural, and economic enterprises. The scenic campus is located in Baton Rouge, LA.

The Department of Chemistry has 34 tenure-track faculty, complemented by 10 instructors and 22 staff. Research is supported by a range of state and federal agencies and recent faculty successes include a DOE Early Investigator, a Beckman Young Investigator and two NSF CAREER awards. Research facilities are housed in Choppin Hall and the 2012 Chemistry & Materials Building. Our graduate program currently hosts a diverse group of 140 PhD students.

For more information, visit our homepage: <https://www.lsu.edu/science/chemistry/>

Assistant Professor – Organic Chemistry Position #R00039692

Qualifications: PhD in Chemistry or related field.

Specific Experience: Demonstrated excellence in research, teaching, service and leadership and strong experience in organic chemistry, broadly defined. Preference may be given to those with interests in organic materials or biologically/medicinally related applications of organic chemistry

Application Process: Applications should consist of a cover letter, curriculum vitae, proposed research and teaching philosophy, preferably in that order, as a single pdf document. Copies of transcripts may be attached to the application; original transcripts will be required prior to an appointment. Applicants should arrange to have a minimum of three letters of recommendation e-mailed directly to Amy Commander (acom@lsu.edu). Please use the following subject line: LSU Chemistry Organic Faculty

Search. *Review of applications will begin October 30th, 2019 and will continue until the position is filled.*

Applications must be submitted online: https://lsu.wd1.myworkdayjobs.com/en-US/LSU/job/LSU---Baton-Rouge/Assistant-Professor_R00039692

LSU is committed to diversity and is an equal opportunity / equal access employer.

The Department of Chemistry at University of North Texas invites applications for a tenure-track faculty position in Organic Chemistry. The position will have a joint appointment in the BioDiscovery Institute (<http://bdi.unt.edu>), an interdisciplinary Institute of Research Excellence at UNT focused on

fundamental research in biobased products and materials. An appointment at the Assistant Professor level is expected; however, candidates at higher ranks may be considered. The expected start date is August 2020.

We are seeking an individual working in the general area of synthetic chemistry of biologically relevant organic compounds. Candidates should have expertise in synthetic organic chemistry, and preferably experience with lipids, natural products, or other biomolecules. Interest or experience in combining synthetic studies with biochemical or genetic approaches to deciphering biosynthetic pathways in plants, fungi or microorganisms is preferred. Candidates with research interests that address important fundamental and applied questions in the synthesis and development of bio-based products for agriculture, materials engineering, bioenergy or health-related chemistry are especially encouraged to apply. Dedicated, newly-renovated research space and state-of-the-art core facilities in genomics and analytical chemistry/biochemistry will be available to the new faculty member as part of the joint appointment in BDI. The new faculty member will also have opportunities to interface with and contribute to a growing emphasis on chemical biology within the UNT Chemistry Department.

The University of North Texas (UNT) is a Carnegie R1 research university with a diverse population of over 39,000 students. UNT is located in Denton, a cultural hot spot on the northern edge of the Dallas-Fort Worth Metroplex, one of the fastest growing metropolitan areas in the country. The UNT Chemistry Department is entering a growth phase, with plans to hire an endowed Welch Chair in Chemistry and up to 10 additional tenure-track faculty over the next five years. Our department has a strong culture of interdisciplinary collaboration, with specific strengths in computational chemistry, photochemistry, and materials chemistry.

Applicants should submit materials by visiting <http://facultyjobs.unt.edu> and searching for positions in the Chemistry Department, or by following this link. A cover letter, curriculum vitae, a statement of research interests, and a statement of teaching philosophy are requested. Letters of recommendation will be solicited on the applicant's behalf. Evaluation of applications will begin on November 1, 2019 and will continue until the position has been filled.

For more information, please visit the following: Human Resources <http://facultyjobs.unt.edu> ; College of Science <https://cos.unt.edu/>; Department of Chemistry <https://chemistry.unt.edu/> .

Louisiana State University, Assistant Professor – Organic Chemistry The Department of Chemistry, housed within LSU's College of Science, has a tenure-track faculty position available in organic chemistry.

Duties:

- 50% Teach undergraduate and/or graduate-level courses in chemistry; direct/supervise graduate and undergraduate students; participate in University service, including committee activities, supervision of teaching/research assistants and student advising, Maintain professional standards and level of competence.
- 50% Maintain a strong, well-funded, widely recognized research program publish results in appropriate journals or other media.
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Qualifications: PhD in Chemistry or related field

Specific Experience: Demonstrated excellence in research, teaching, service and leadership and strong experience in organic chemistry, broadly defined. Preference may be given to those with interests in organic materials or biologically/medicinally related applications or organic chemistry.

Application Process: Applications should consist of a cover letter, curriculum vitae, proposed research and teaching philosophy, preferably in that order, as a single pdf document. Copies of transcripts may be

attached to the application; original transcripts will be required prior to an appointment. Applicants should arrange to have a minimum of three letters of recommendation e-mailed directly to Amy Commander (acom@lsu.edu). Please use the following subject line: LSU Chemistry Organic Faculty Search. Review of applications will begin October 30th, 2019 and will continue until the position is filled.

https://lsu.wd1.myworkdayjobs.com/en-US/LSU/job/LSU---Baton-Rouge/Assistant-Professor_R00039692

The Department of Chemistry & Biochemistry at Eastern Illinois University invites applications for a one-semester position: Instructor of Analytical Chemistry. Duties begin in January, 2020. A Ph.D. or substantial graduate work in chemistry or a closely related field is preferred. Teaching duties will include an undergraduate course in analytical chemistry, as well as general chemistry/general education courses. Applicants should email a cover letter and current CV to Dr. Robert Chesnut at rwchesnut@eiu.edu. Applicants should include the names of three references.

Application review begins October 30, 2019 and will continue until the position is filled. Direct inquiries to Dr. Robert Chesnut at rwchesnut@eiu.edu.

Eastern Illinois University is an Affirmative Action/Equal Opportunity Employer - minority/female/disability/veteran - committed to achieving a diverse community.

Appalachian State University, Department of Chemistry and Fermentation Sciences is accepting applications for the following positions:

Lecturer in Analytical / Forensic Chemistry (start 01/2020):

<https://appstate.peopleadmin.com/postings/23646>

Lecturer in Organic Chemistry / Biochemistry (start 01/2020) :

<https://appstate.peopleadmin.com/postings/23639>

Assistant Professor in Chemical Education Research (start 08/2020):

<https://appstate.peopleadmin.com/postings/23627>

Assistant Professor in Inorganic Chemistry (start 08/2020):

<https://appstate.peopleadmin.com/postings/23658>

Lecturer in Chemistry (start 08/2020) : <https://appstate.peopleadmin.com/postings/23694>

The A. R. Smith Department of Chemistry and Fermentation Sciences offers a Bachelor of Science in Chemistry with eight different concentrations, including the American Chemical Society (ACS) Certified degree, Marketing and Business, Biochemistry, Environmental, Fermentation Sciences, Forensic Science, Individually Designed and Chemistry Secondary Education Licensure; a BA degree in Chemistry is also offered. The Department also offers a Bachelor of Science degree in Fermentation Sciences, which includes a background in chemistry and biology as well as business, marketing and entrepreneurial principles. The department has 20 tenure-track faculty members, 287 undergraduate chemistry majors and 66 undergraduate fermentation sciences majors. Many of the chemistry and fermentation sciences majors conduct research and disseminate their results at national, regional and local professional meetings and in peer-reviewed publications.

Appalachian State University, in North Carolina's Blue Ridge Mountains, prepares students to lead purposeful lives as global citizens who understand and engage their responsibilities in creating a

sustainable future for all. The transformational Appalachian experience promotes a spirit of inclusion that brings people together in inspiring ways to acquire and create knowledge, to grow holistically, to act with passion and determination, and embrace diversity and difference. As one of 17 campuses in the University of North Carolina system, Appalachian enrolls about 19,000 students, has a low student-to-faculty ratio and offers more than 150 undergraduate and graduate majors.

Throughout their teaching, research, and service duties, the successful applicant should promote diversity and inclusive excellence.

The Department of Chemistry at the University of Houston (UH) invites applications for a tenure-track assistant professor position in experimental polymer chemistry. The faculty member will be expected to teach undergraduate and graduate-level courses in the Department of Chemistry, including possibly introductory general chemistry or introductory organic chemistry, and to perform cutting-edge research in experimental polymer chemistry. To gain promotion to associate professor with tenure in the Department of Chemistry at UH, a faculty member is expected to garner peer-reviewed funding from a federal agency to support his or her research, publish a substantial number of papers in high impact peer-reviewed journals from research performed at UH, and establish a national reputation for excellence in research during his or her probationary period. In addition to these criteria for research excellence, the Department expects the candidate to excel at teaching, as documented through teaching evaluations, and to serve on various Departmental, College, and University committees.

To apply, upload a cover letter, full curriculum vitae, one-page statement of teaching interests and experience, summary of research plans (five pages maximum), all as PDF documents. During the application process, the applicant will be prompted to provide the names and email addresses of three people to whom requests will be sent directly for letters of recommendation.

The University of Houston, with one of the most diverse student bodies in the nation, seeks to recruit and retain a diverse community of scholars. Additionally, the University is responsive to the needs of dual career couples.

The University of Houston is an Equal Opportunity/Affirmative Action Institute. Minorities, women, veterans, and persons with disabilities are encouraged to apply.

Qualifications

Ph.D. in chemistry, materials chemistry, or chemical physics. Postdoctoral research experience or the equivalent industrial research experience strongly preferred.

https://uhs.taleo.net/careersection/ex2_uhf/jobdetail.ftl?job=FAC001078&tz=GMT-05%3A00&tzname=America%2FChicago

The Department of Chemistry at Virginia Commonwealth University invites applications for a tenure-track, open rank position in Physical Chemistry to begin in fall 2020. Candidates are required to have an established research agenda and clear potential for extramural funding as well as potential for nationally-recognized scholarship in Physical Chemistry that complements or expands existing expertise in the Department of Chemistry. Teaching will primarily be in undergraduate and graduate courses in Physical Chemistry. Those candidates with theoretical/computational chemistry interests' especially in biophysical chemistry and nanoscience as applied to biology and medicine are encouraged to apply.

A Ph.D. in chemistry is required and post-doctoral experience is strongly encouraged. Applicants at all levels of professor rank will be considered. Candidates at the Associate and Full Professor levels must

have a well-developed research portfolio with evidence of multi-disciplinary applications and external funding. Candidates need to 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/>. In addition, names of three references must be entered into VCUjobs.com; these individuals will be asked to provide recommendation letters. Review of applications will begin immediately and continue until the positions are filled. Please contact Sally Hunnicutt, Search Committee Chair, sshunnic@vcu.edu for any questions about the position.

Virginia Commonwealth University enrolls about 32,000 students, including nearly 8,500 ethnic minorities. The University seeks to attract an active, culturally diverse faculty of the highest caliber. The Chemistry Department of Virginia Commonwealth University is committed to the dual mission of teaching and research at the bachelor, master and doctoral levels. In teaching, the purpose is to provide high quality education in chemistry to undergraduate as well as graduate students, in preparation for professional careers at all levels. In research, the goals are to advance the science of chemistry, to keep faculty on the forefront of the field, and to maintain an educational program consistent with the latest technology and development of the discipline. Service to the chemical profession is also an important aspect of the department's activities.

Virginia Commonwealth University is an equal opportunity, Affirmative Action University providing access to education and employment without regard to race, color, religion, national origin, age, sex, political affiliation, veteran status, genetic information, sexual orientation, gender identity, gender expression, or disability.

The Chemical Engineering Department in the College of Engineering at the University of California, Santa Barbara is seeking applications as part of an external search for two tenure-track Assistant Professor positions with a start date of July 1, 2020 or later. At a minimum, applicants must have completed all requirements for a PhD (or equivalent) except the dissertation at the time of application. Applicants must have a PhD degree or equivalent in chemical engineering or a related field by time of appointment as Assistant Professor.

Application packages should include a completed CV, contact information for 3-5 references, and a cover letter (limited to 2 pages) containing the following four elements: (1) most significant research accomplishment as a graduate student; (2) most significant research accomplishment as a postdoc (if applicable); (3) overall goals/vision for a research program at our institution; and (4) experience and qualifications that make you particularly well-suited to achieve those goals. A Statement of Research and a Statement of Teaching must also be submitted. Please submit all application materials via UC Recruit at: <https://recruit.ap.ucsb.edu/JPF01504>

The department is especially interested in candidates who can contribute to the diversity and excellence of the academic community through research, teaching and service. We strongly encourage applicants to submit an optional Statement of Contributions to Diversity. These statements, if submitted, will be reviewed for evidence of teaching, research, professional and/or public service contributions that promote diversity and equal opportunity, such as effective strategies used for the educational advancement of students in various under-represented groups; demonstrated contributions to the advancement of equitable access and diversity in education; and contributions furthering diversity and equal opportunity in higher education through participation in such activities as recruitment, retention, and mentoring of scholars and students.

Applicants are encouraged to submit their applications by the primary consideration date of November 1, 2019 or until the positions are filled. Questions regarding these positions should be directed to the department at: che-jr-facrecruitment2019@chemengr.ucsb.edu

The University of California is an Equal Opportunity/Affirmative Action Employer and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability status, protected veteran status, or any other characteristic protected by law.

Marquette University – Department of Chemistry A Postdoctoral Fellow position is available in the experimental physical chemistry group of Dr. Ofer Kedem. The group focuses on functional nanomaterials, and particularly nanoscale chemical communication, transport, and reaction control. Please visit the group's website at www.kedemlab.com for more details. The Postdoctoral Fellow will primarily focus on developing chemical signaling circuits based on patterned monolayers.

This is a 12-month position expected to start in January 2020 (with some flexibility), and may be renewed for an additional 12 months based on mutual agreement between the PI and the Postdoctoral Fellow.

Applications will be reviewed as they are received, and the position will remain open until an appropriate candidate has been found.

Duties and Responsibilities

Carry out experimental research in designing, synthesizing and characterizing functional monolayers with dynamic responses. Conduct research with high degree of autonomy, supervising and guiding graduate and undergraduate students. Analyze results, collaboratively author journal manuscripts and reports, and propose new research directions, as appropriate.

Required Knowledge, Skills and Abilities

Earned doctorate (or its foreign equivalent) or appropriate terminal degree.

Preferred Knowledge, Skills and Abilities

Of particular interest are candidates with experience in any of the following: (i) nanomaterial synthesis, characterization and functionalization; (ii) organic ligand synthesis; (iii) synthesis and operation of molecular switches; (iv) monolayer deposition; (v) fluorescence microscopy; (vi) programming in MATLAB, Python or similar; and (vii) modeling of reaction-diffusion systems, molecular dynamics simulations, or finite element simulations.

<https://employment.marquette.edu/postings/12309>

The Department of Chemistry and Biochemistry at Auburn University invites applications for a tenure-track, nine-month position at the Assistant Professor rank. Auburn University is an institution that is both highly research-active and committed to maintaining teaching excellence as one of the nation's premier land, sea, and space grant institutions. With this position, the department is looking to fill research needs in inorganic/organometallic chemistry; candidates who can augment the department's research initiatives in chemical biology are particularly encouraged to apply. The successful candidate is expected to develop a vigorous, externally funded research program. In addition, the successful candidate must demonstrate a commitment to promoting a diverse and inclusive scholarly environment in teaching, research, mentoring, and service. Duties also include teaching at both the undergraduate and graduate levels.

For more information about the College of Sciences and Mathematics and the Department of Chemistry and Biochemistry, please refer to our website: <http://www.auburn.edu/chemistry>.

Minimum Qualifications

Minimum qualifications include excellent written and interpersonal communication skills. In addition, a Ph.D. in chemistry, biochemistry, or a closely related field and at least one year of postdoctoral experience are required at the time employment begins. The selected candidate must also meet eligibility

requirements to work in the U.S. on the date of appointment (August 2020) and must be able to continue working legally for the proposed term of employment.

All applicants should submit a cover letter, curriculum vitae, a detailed statement of research plans and a two-page statement of teaching philosophy which highlights a commitment to diversity and inclusion in higher education. The applicant will also need to provide the names and contact information of three professional references.

Review of applications will begin October 31, 2019 and continue until the position is filled.

<https://aufacultypositions.peopleadmin.com/postings/3805>