2017 WEEKLY BULLETIN
DEPARTMENT OF CHEMISTRY, NORTHWESTERN UNIVERSITY
EVANSTON, ILLINOIS
September 11, 2017

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

Monday September 12th: *Department of Chemistry Tenure Presentation: Toru Shiozaki*
Tech LR3
4:00-5:00pm

Thursday September 14th: *Department of Chemistry Tenure Presentation: Danna Freedman*
Tech M345
4:00 – 5:00pm

Friday September 15th: *Department of Chemistry Tenure Presentation: Elad Harel*
Pancoe Auditorium
4:00 -5:00pm

BIP

BIP will meet every Friday in Tech K140 at 10:00am beginning October 13th

Arrivals

We did not have any new arrivals

Opportunities

The Department of Chemistry at Furman University invites applications to fill two open-rank, tenure-track positions to begin in August 2018. One position is in the area of biochemistry and one is in any area of chemistry that complements the current research areas of the department. The department is particularly interested in candidates who can contribute to the diversity and excellence of the academic community through their research, teaching, and/or service. For more information and to apply, you are directed to the following sites:

Biochemistry position - https://jobs.furman.edu/postings/6598

Open chemistry position - https://jobs.furman.edu/postings/6597

The Department of Chemistry and Biochemistry at the University of Maryland, Baltimore County (UMBC) 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 analytical chemistry* (e.g., technique/instrumentation development, sensor development, bio-analytical, forensic analysis, environmental analysis, etc.). 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 analytical and instrumental chemistry courses, and should demonstrate an understanding of and commitment to diversity.

The Department (www.umbc.edu/chem) 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 all the departments on campus, as well as with the nearby University of Maryland Schools of Medicine and Pharmacy and local federal agencies (Army Research Lab, Naval Research Lab, NIST, NIH, etc.).

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. UMBC is known for its commitment to academic excellence and diversity within the faculty, staff, and student body (http://facultydiversity.umbc.edu/). Interested candidates should submit their applications electronically using the following interfolio link: http://apply.interfolio.com/44579 The application should include curriculum vitae, description of research plans, and statement of teaching philosophy. When applying, candidates will be prompted to provide the names and contact information of three professionals in the field who will submit letters of recommendation in interfolio to support their application. Review of applications will begin October 16, 2017 and continue until the position is filled, with the appointment commencing in August 2018. Only full applications including all required documents and three letters of recommendation will be considered. For inquiries, please email chemsearch@umbc.edu.

UMBC is an Equal Opportunity/Affirmative Action Employer. Applications from women, minorities, individuals with disabilities and other traditionally under-represented

The Department of Chemistry at Smith College invites applications for a tenure-track, full-time position at the rank of Assistant or Associate Professor of Chemistry, to begin July 2018. The successful candidate will regularly teach advanced inorganic chemistry as well as general chemistry and may also teach electives and other courses aligning with their area of expertise. Candidates with proficiency in any subfield of inorganic chemistry are encouraged to apply. Additional relevant experience may include postdoctoral research or college-level teaching. A Ph.D. in Chemistry is expected by the time of appointment.

We seek a colleague engaged in learning, developing, and maintaining a dynamic curriculum that is responsive to the needs of Smith's diverse and talented student body. The Department of Chemistry has state-of-the-art facilities and instrumentation, and its faculty is dedicated to active research programs with undergraduate students. The successful candidate is expected to establish an active research program with undergraduate student participation. Details about the Department of Chemistry at Smith may be found at http://www.smith.edu/chemistry.

Located in the vibrant community of Northampton, MA, Smith College is the largest independent women's college in the country and is dedicated to excellence in teaching and research across the liberal arts. A faculty of outstanding scholars interact with students in small classes, as advisors, and through student-faculty research projects. The Five College Consortium, comprised of Smith, Amherst, Mount Holyoke, and Hampshire Colleges and the University of Massachusetts, Amherst, provides a rich intellectual and cultural life and broad collegial opportunities.

Submit application at http://apply.interfolio.com/44225 with a cover letter, curriculum vitae, statement of teaching philosophy, description of research plans, unofficial copies of graduate and undergraduate transcripts, and three confidential letters of recommendation. Review of applications will begin October 15, 2017.

Diversifying the student body, faculty, administration, staff, and curriculum is crucial to the mission and vision for the College. We are committed to providing access and reasonable accommodation in the application process for individuals with disabilities and encourage applicants to request any needed accommodation(s). We value and are committed to a host of diverse populations and cultures, including, but not limited to, those based on ability, age, ethnicity, gender, gender identity, national origin, race, religion, sexual orientation, and veteran status.

Smith College is an EO/AA/Vet/Disability Employer. Women, minorities, veterans and individuals with disabilities are encouraged to apply.

The Department of Biochemistry at The University of Texas Southwestern Medical Center invites applications from candidates for a tenuretrack/tenured faculty positions at the rank of Assistant, Associate or Full Professor. Candidates should be engaged in innovative research in organic chemistry or natural products chemistry. The Biochemistry Department offers a vibrant environment for research in chemistry, drug discovery and the chemistry biology interface. The successful applicant will be expected to carry out an effective research program and to teach at the graduate level. Assistant Professor applicants should submit a *curriculum vitae*, a summary of research experiences, a description of research plans, and three letters of reference. Candidates for a senior position are expected to have already established a vigorous independent and funded research program in organic chemistry or natural products chemistry.

Applicants for Associate/Full Professor should submit a *curriculum vitae*. All applications are due November 1, 2017 and should be submitted through the academicjobsonline web site at https://academicjobsonline.org/ajo/jobs/9502.
Any correspondence can be addressed to Dr. Margaret Phillips, Chair, Department of Biochemistry at biochem.search@utsouthwestern.edu
UT Southwestern Medical Center is an Affirmative Action/Equal Opportunity Employer. Women, minorities, veterans and individuals with disabilities are encouraged to apply.

The Virginia Tech Department of Chemistry invites applications for a tenure track faculty position at the Assistant Professor level in organic chemistry at its Blacksburg, Virginia campus. Candidates with strong expertise in the drug discovery area with a focus on chemical neuroscience, chemical biology, bioorganic chemistry, synthetic method development and natural products are particularly encouraged to apply.

The successful candidate is expected to participate in the VT Center for Drug Discovery and the Virginia Drug Discovery Consortium, which are University and State-wide drug discovery initiatives. The successful applicant will have the opportunity to collaborate with faculty across the university on the Adaptive Brain and Behavior Destination Area. A Ph.D. in Chemistry or a closely related field is required; the degree is required at the time of appointment. The successful candidate must establish an internationally recognized research program and be an effective teacher in graduate and undergraduate courses.
Applicants must submit application materials online at www.jobs.vt.edu in response to posting TR0170102. Application materials include a curriculum vitae, a description of research plans (not to exceed five pages), a statement of teaching philosophy and plans (not to exceed two pages) and three letters of recommendation. Review of applications will begin October 16, 2017 and will continue until the position is filled.

The Search Committee Chair is available to address any specific questions related to the position by email at santos@vt.edu or by mail addressed to:
Professor Webster L. Santos
Search Committee Chair

Department of Chemistry
Virginia Tech
900 West Campus Drive
Blacksburg, VA 24061

For further information about the position and the Department of Chemistry, visit www.chem.vt.edu. *Virginia Tech is an AA/EEO Employer and applications from underrepresented groups are especially encouraged.* Occasional travel to attend professional meetings and conferences are required, and University policy requires a criminal background check. Direct all general questions about the position to chem.jobs@vt.edu with the job posting number included in the subject line.

The Chemistry Department at the University of Wisconsin-Eau Claire seeks a tenure-track faculty member at the rank of Assistant Professor to begin August 27, 2018. Salary will be commensurate with qualifications and experience.

RESPONSIBILITIES: A successful applicant will be expected to teach undergraduate courses in quantitative analysis, instrumental analysis, and general chemistry (including labs), as well as upper-division undergraduate courses in the candidate's area of expertise. The successful applicant is expected to develop a program of externally funded research; competitive start-up funds are available. In addition to teaching and collaborating with undergraduate students in research, the successful applicant will provide academic advising to students, engage in service to the university and community, participate in department, college, and university committee work, and carry out other duties as assigned.
QUALIFICATIONS: An earned doctorate in chemistry or closely related field by October 8, 2017 is required, with preference givento those with teaching and research interests related to analytical chemistry. A strong commitment to undergraduate teaching and an ability to establish a research program involving undergraduates is required. Postdoctoral or relevant industrial experience is preferred. An interest and ability to contribute to our Chemistry with Business Emphasis program, as demonstrated through prior industrial and/or entrepreneurial experiences, may be considered an asset. We seek candidates who value our tradition of liberal arts education.
Research interests complementing those of existing chemistry faculty and compatible with the existing infrastructure will be considered an asset. An ability to bring diverse perspectives to the campus and to serve as a role model and mentor for students from underrepresented groups will be considered assets as well.
DEPARTMENT: The Department of Chemistry at UW-Eau Claire has 16 full-time faculty members and is ACS-certified. The department has a mission of providing high-quality undergraduate instruction in the chemical sciences through a combination of coursework and collaborative research. The Department of Chemistry emphasizes first-rate classroom teaching at all levels, along with undergraduate research activities that result in peer-reviewed presentations and publications. The department maintains standard spectroscopy and chromatography resources, including FT-IR and UV-Vis spectrometers, GCs, and HPLCs. The department also has a GC/MS, a TOF-LC/MS, an MP-AES, and a 400 MHz NMR with z-gradient broadband and inverse detection probes as well as solid-state capabilities. Individual research programs in chemistry are supported by a single-crystal X-ray diffractometer, differential scanning calorimeters, a jet-cooled laser spectroscopy system, optical cryostats, and a spectrofluorometer. In addition, instrumentation available through UW-Eau Claire's Materials Science Center includes TEM, SEM, STM, AFM, Raman microscope, XPS, XRF, XRD, and ICP/MS (with ppq detection limits). Chemistry faculty also have access to a shared computational cluster comprising 304 cores and 16 GPUs.

Tradition of Undergraduate Research at UW-Eau Claire UW-Eau Claire is officially recognized within the University of Wisconsin System as the Center of Excellence in Faculty/Undergraduate Student Research Collaboration. UW-Eau Claire is also an institutional member of the Council on Undergraduate

Research. UW-Eau Claire is nationally recognized as one of the premier Midwestern undergraduate colleges in the public and private Comprehensive University sector (*U.S. News and World Report*). The department was identified by Research Corporation as a national model for undergraduate research and received Research Corporation's first Department Development Grant in 1991. Faculty members actively seek external support; for example, currently active grants from federal, state, and private sources are bringing in just under $1.8M to support collaborative research with students. Within the past decade, UW-Eau Claire chemistry faculty published over 100 peer-reviewed papers and patents, most with student coauthors.

UNIVERSITY AND EAU CLAIRE COMMUNITY: The University of Wisconsin-Eau Claire is a comprehensive university with 800 faculty and academic staff, offering a variety of undergraduate and graduate programs to approximately 11,000 students. The fourth-largest university in the state, UW-Eau Claire has strong academic programs and a focus on experiential learning. The campus, often described as Wisconsin's most beautiful, is set on the banks of the Chippewa River in the heart of Eau Claire. A regional center for western Wisconsin, Eau Claire is a vibrant, friendly, safe, and affordable community of 66,000 with outstanding schools, excellent health-care systems, and employment opportunities. The Eau Claire area is also a center for culture, featuring a diversity of restaurants, theater, a thriving arts community, and a wide variety of music. Eau Claire is home to both symphony and chamber orchestras, and hosts several music festivals each year, including the Eaux Claires festival that attracts both local talent and national acts. A wide range of parks, trails, outdoor sports and recreation opportunities exists in the city and surrounding areas. Metropolitan Minneapolis-St. Paul is just a 90 minute drive away, and the local regional airport provides jet service twice daily to Chicago's O'Hare airport.

APPLICATION PROCEDURE: Applications are submitted electronically. Interested candidates should apply online at: http://www.uwec.edu/Employment/uweccareers.

You must create an account and login before you can apply, unless you are currently employed in the UW-System, in which case, you can use your UW login. To register, click on the "Click here to Register" link to begin the registration process. If you are already a registered user, input your "User Name" and "Password" and select "Login." Click the link to the Department of Chemistry: Assistant Professor (Job ID# 13396) and then click the "Apply Now" button to submit your application electronically. Your application will not be considered complete until all required documents are attached and all required fields are completed.

Please be sure you include the following in a single file in PDF format

- Letter of application
- Curriculum vita
- Statement of research plans (3-5 pages)
- Statement of teaching interests and experience (1-2 pages)
- Graduate and undergraduate transcripts (You should include copies of your unofficial transcripts in PDF format along with the rest of your application. Official copies of your transcripts will be required before a position offer is made.)

Finalists will be asked to provide letters of recommendation at a later date. Only applications submitted electronically and compiled as a *single* PDF document will be accepted. Submissions in other formats, including multiple PDF files instead of a single one, will not receive consideration. Receipt of complete application packages will be acknowledged by e-mail.

If you have application questions, please email the chair of the search committee at ChemFacSearch@uwec.edu.

To ensure consideration, completed applications must be received by the priority date of October 8, 2017. However, screening may continue until the position is filled. Applicants may include links to online materials, which the search committee may consider at its discretion. The university reserves the right to contact additional references with notice given to the candidates at an appropriate time in the process. Inquiries about the search should be directed to the email address above. UW-Eau Claire is an

AA/EEO/Veterans/Disability employer dedicated to enhancing diversity, equity, and inclusivity. A criminal background check is required prior to employment. To learn more, visit the Employment at UW-Eau Claire website at http://www.uwec.edu/

The Department of Chemistry and Biochemistry at Southwestern University seeks applicants for a tenure-track Assistant Professor position in physical chemistry beginning in August 2018. Teaching responsibilities include upper-level physical chemistry, general chemistry, chemistry for non-majors, and courses within the university's general education program such as First-Year Seminar. Other responsibilities include participation in the University's academic advising program. The successful candidate will contribute to the departmental focus on integrating inquiry-based and active learning pedagogies throughout the curriculum. Candidates who have a strong commitment to working with diverse student populations and enhancing diversity in academia are also preferred.

The Department of Chemistry and Biochemistry at Southwestern University is an American Chemical Society (ACS) certified program. The department maintains a vibrant undergraduate research program and is housed within Southwestern's multidisciplinary science center which contains state-of-the-art facilities for teaching and research and is slated to be completed in Fall 2019. Southwestern University is a selective undergraduate institution committed to a broad-based liberal arts, sciences, and fine arts education. Southwestern enrolls approximately 1500 students and maintains a student/faculty ratio of 12 to 1. Located in Georgetown, Texas, 28 miles north of downtown Austin, Southwestern is committed to fostering a diverse educational environment and encourages applications from members of groups traditionally underrepresented in academia. For information concerning the University, visit our web site at www.southwestern.edu.

Qualifications
Applicants must have completed a PhD in physical chemistry or a related field such as materials, energy, polymer, computational or atmospheric chemistry or chemical physics. Applicants with previous college-level teaching experience and/or postdoctoral experience are preferred. The candidate must be committed to excellence in undergraduate teaching and is expected to develop a productive undergraduate research program.
Application Instructions
Applicants should submit the following materials through interfolio: (1) a cover letter addressing the candidate's interest in teaching at a liberal arts institution and summarizing pertinent teaching and research experiences; discussion of leadership efforts and contributions to diversity are encouraged, (2) a curriculum vitae, (3) a brief statement of teaching philosophy that highlights how active learning will be incorporated in the candidate's teaching; (4) a concise summary of the candidate's proposed research program with undergraduates, and (5) three letters of reference. Applications will only be accepted through interfolio at http://apply.interfolio.com/43596. Email and paper applications will not be accepted. Review of applications will begin on October 6, 2017 and will continue until the position is filled.

The Department of Chemistry at Washington University in St. Louis seeks to make a faculty appointment in physical chemistry to begin in the fall of 2018. The position is at the assistant-professor level. The duties of the position include conducting research, publishing research results in peer-reviewed journals, applying successfully for extramural research grants, teaching assigned courses, including general and physical chemistry, advising students, performing assigned committee work, and participating in appropriate university service. The development and maintenance of an outstanding research program and excellence in the teaching of core chemistry courses at the undergraduate and graduate levels are required. Candidates must have a Ph.D. or equivalent doctoral degree in the field of chemistry or a closely related field at the time of appointment.

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

Completed applications for the position must be received by **01 October 2017** 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 Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, age, sex, sexual orientation, gender identity or expression, national origin, genetic information, disability, or protected veteran status. Individuals from under-represented groups and women are especially encouraged to apply.

Scientific Information Analyst – Physical/Applied Chemistry – Chemical Abstracts Service

Job Description

At CAS, a division of the American Chemical Society, we are scientists, technologists and business leaders who continuously and passionately pursue new knowledge in our quest to fuel scientific discovery and empower innovation.

Dedicated to the ACS vision of improving people's lives through the transforming power of chemistry, the CAS team of highly trained scientists finds, collects and organizes all publicly disclosed substance information, creating the world's most reliable collection of content that is vital to innovation worldwide. CAS provides a suite of solutions relied on by researchers, patent professionals and decision-makers around the world that advance the scientific enterprise by enabling discovery and facilitating workflows.

CAS is currently seeking a Scientific Information Analyst. This position will be located in our headquarters in Columbus, Ohio.

Qualifications:

- Bachelor's degree in Chemistry or related science, including successful completion of Organic chemistry coursework and a minimum of 1 year of work experience.
- Excellent team player who is organized and willing to adapt to the needs and requirements of an agile organization.
- Must demonstrate a proactive and flexible attitude, with a keen willingness to show initiative.
- Asian language skills, especially Korean and/or Japanese are a plus.

The position also requires:

- Effective organizational skills, including attention to detail, time management and multi-tasking
- Ability to work independently as well as part of a team
- Demonstrated ability to ensure successful project completion.

Duties:

- Demonstrated ability to solve complex problems within and outside of the primary group.
- Demonstrated skill in handling multiple assignments with varying urgencies and priorities.
- Solid analytical and problem solving skills
- Excellent written and verbal communication skills

Duties:

This position will analyze the world's scientific literature, including patents and journals, for curation into CAS products. Primary responsibilities include review and curation of literature in a number of fields such as chemistry, material science, and engineering in a production environment.

Job posting- info and application at www.cas.org-

CAS offers a competitive salary and comprehensive benefits package, including a generous vacation plan, medical, dental, vision insurance plans, and employee savings and retirement plans. Candidates for this position must be authorized to work in the United States and not require work authorization sponsorship by our company for this position now or in the future. EEO/Minority/Female/Disabled/Veteran

Job Location: Columbus, Ohio, United States

ACS PRF research grant programs support fundamental research in the petroleum field, and development of the next generation of engineers and scientists through advanced scientific education. Research areas supported include chemistry, the earth sciences, chemical and petroleum engineering, and related fields such as polymers and materials science. (applications open Sep 18, 2017 and close on Oct 20, 2017)

Research Grants for Doctoral Departments

New Directions Amount: $110,000 over 2 years. Estimated number of grants awarded: ~ 75 each year. Aims to stimulate a new direction of research for established faculty, and to support the careers of their student scientists and engineers.

Doctoral New Investigator Amount: $110,000 over 2 years. Estimated number of grants awarded: ~ 75 each year. Aims to promote the careers of young faculty by supporting research of high scientific caliber, and to enhance the career opportunities of their undergraduate/ graduate students, and postdoctoral associates through the research experience.

Research Grants for Non-Doctoral Departments

Undergraduate Research Amount: $70,000 over 3 years. Estimated number of awards: ~ 25 each year. Supports the research programs of established scientists and engineers at non-doctoral departments and provides financial support for students at those institutions to become involved in advanced research activities, in preparation for continued study in graduate school or employment.

Undergraduate New Investigator Amount: $55,000 over 2 years. Estimated number of awards: ~ 25 each year. Intended to initiate the research program of new scientists and engineers who are faculty members at undergraduate research institutions and to provide financial incentives for students at those institutions to become involved in research activities leading to employment or continued study in graduate school.

Postdoctoral Position in Synthetic Inorganic Chemistry Los Alamos National Laboratory (LANL):

Seeking an outstanding candidate with extensive inorganic, organic or organometallic chemistry experience to support emerging/growing programs focused on the fields of actinide chemistry and nuclear security. Candidate will be performing synthetic chemistry to prepare, isolate and characterize novel compounds including those of the actinides, or of transition metals. Study and optimization of metal catalyzed decomposition of organic compounds to generate gas pressure at low temperatures may also be pursued. Candidate must be willing and able to work with an interdisciplinary team of scientists from multiple organizations including Chemistry, Materials Science, Engineering, Theoretical and Weapons Divisions.

Minimum Job Requirements:

A strong background and extensive hands-on experience in synthetic chemistry. The ability to work in an independent and creative fashion. Demonstrated excellence in written and oral communication skills as evidenced by a strong publication and presentation record.

Desired Skills:

Experience with standard wet- and air-sensitive chemistry techniques for molecular synthesis and characterization (chromatography, Schlenk, drybox, chromatography, NMR and optical spectroscopy, etc.) Knowledge of ligand design. Additional experience in structural analysis (XRD) is a plus.

· Demonstrated ability to work independently and with minimum supervision
· Demonstrated ability to plan and organize assignments so that schedules are met on time
· Ability to obtain a DOE "Q" clearance for one of the programs.

Education:

Ph.D. in chemistry within the last five years or soon to be completed is required

Where You Will Work

Located in northern New Mexico, Los Alamos National Laboratory (LANL) is a multidisciplinary research institution engaged in strategic science on behalf of national security. LANL enhances national security by ensuring the safety and reliability of the U.S. nuclear stockpile, developing technologies to reduce threats from weapons of mass destruction, and solving problems related to energy, environment, infrastructure, health, and global security concerns. Both positions are in the Chemistry Division

Notes to Applicants:

If interested, please send a CV with the names of three references to Jim Boncella at Boncella@lanl.gov For additional technical details, contact Dr. Jim Boncella at Boncella@lanl.gov For general information on the LANL Postdoc Program go to http://www.lanl.gov/careers/careeroptions/postdoctoralresearch/index.php.

The University of Chicago, Center for Integrative Science Professor Heinrich Jaeger has an opening for a postdoc in his lab, to lead the work on the mechanical properties of self-assembled nanoparticle sheets. He is looking for a person who has extensive experience in nanoparticle synthesis, characterization and assembly. He is looking for a talented and motivated grad student who recently finished his or her PhD, or who will finish in the very near future. Please apply to Dr. Jaeager. The position is available immediately. http://jfi.uchicago.edu/~jaeger/group/

Montclair State University, Medicinal Chemistry Postdoctoral Positions with David P. Rotella, PhD

One (possibly two) postdoctoral positions will be available later this year for synthetic medicinal or organic chemists for an NIH-funded collaborative research project to optimize protein kinase inhibitors for treatment of malaria. Candidates will have earned a Ph.D. in synthetic medicinal or organic chemistry and have demonstrated experience in modern organic synthesis. Salary is competitive and fringe benefits are also available. Interested candidates should provide a full CV with a research summary and names of at least two references by email to rotellad@montclair.edu.

Motus Integrated in Holland, Michigan has an opening for a Materials Scientist/Engineer

Basic Responsibilities: Provide chemistry and manufacturing process expertise to tier one automotive interior supplier. Areas of expertise include engineering polymer formulation and processing to support company profitability. Candidates should be familiar with thermoplastics and thermoset polymers/composite materials and associated processes (polyurethanes, polypropylene, polyvinylchloride, etc..)

Specific Functions

1. Utilize experience with the manufacturing, formulating, processing and testing of polymers and systems.
2. Assess processing issues, root cause analysis and implementing countermeasures to reduce scrap and repair rates on production lines.
3. Develop and transfer new polymer technology into commercial value within company processes.
4. Optimize processing on current products
5. Monitor foam processing equipment condition and maintenance and recommend equipment improvements/upgrades.
6. Monitor injection molding equipment condition and maintenance and recommend equipment improvements/upgrades.

7. Apply existing knowledge and best practices of foam technology to current and future products.
8. Support quoting, innovation and advanced engineering activities with materials expertise and recommendations.
9. Support both launch and production in addressing quality and processing issues promptly.
10. Develop & maintain an experimental processing documentation system.
11. Requires travel to all Leon/Motus plant locations.
12. Advise on foam and plastics tooling feasibility and design optimization.
13. Solid understanding of interior trim products.
14. Solid knowledge of polyol and isocyanate manufacturing processes.

Reports To
Director of Innovation

Education Required
Bachelor's degree in chemical engineering, materials science and engineering, chemistry or related field. Advanced degree preferred.

Experience Required
For a bachelor's degree candidates, 3-5 years minimum of professional experience in chemical engineering/manufacturing & processing in automotive interior applications. For advanced degree candidates, 0-2 years experience in chemical engineering/manufacturing & processing in automotive interior applications.
Contact jfennell@motusintegrated.com (719) 648-9716

The Department of Chemistry at Mount Holyoke College invites applications for a tenure–track position in Analytical Chemistry at the Assistant Professor level to begin Fall, 2018. Applicants are expected to hold a PhD and post–doctoral experience is welcomed. The successful candidate will develop and teach courses in analytical chemistry, anchor this discipline within the department's curriculum, while also contributing to teaching at the introductory level and at the upper level in their area of expertise. Research interests in all areas and applications of analytical chemistry are welcomed, alongside a drive to develop an externally funded research program that will encourage and accommodate close collaboration with undergraduates. Superb facilities for teaching and research are available, housed in a modern, integrated science center.

Mount Holyoke is an undergraduate liberal arts college for women with 2,200 students and 220 faculty. Over half of the faculty are women; one–fourth are persons of color. The teaching load is 2/2. The College is located about 80 miles west of Boston in the Connecticut River Valley and is a member of the Five College Consortium, comprising Amherst, Hampshire, Mount Holyoke and Smith Colleges together with the University of Massachusetts, Amherst.

Mount Holyoke is committed to enriching the educational experience it offers through the diversity of its faculty, administration, and staff. The College seeks to recruit and support a broadly diverse faculty who will contribute to the College's academic excellence, diversity of viewpoints and experiences, and relevance in a global society. In pursuit of these aims the College strongly encourages applications from underrepresented groups in the academy, including African Americans, Hispanics, Native Americans, Alaskan Natives, Native Hawaiians, other Pacific Islanders, LGBQT applicants, first generation college graduates, those who have followed non–traditional paths to college by demonstrating exceptional talent and drive in the face of adverse societal, economic or academic conditions, and those with a demonstrated commitment to applying and including diverse backgrounds and perspectives to learning, scholarship, service, and leadership. All strong applicants will embrace the opportunity to work with an exceptionally

talented student body that is diverse with regard to race, ethnicity, socioeconomic background and status, gender, nationality, sexual orientation, and religion.

Applications will be made on–line at https://jobs.mtholyoke.edu by submitting a CV and three documents concerning 1. a statement of teaching philosophy and pedagogical interests, 2. A detailed description of research plans, and 3. a statement of approach to mentoring a diverse student body. Applicants must also arrange for three letters of reference to be submitted on their behalf. Prompts for submission of these letters will be automatically generated once an online application is submitted. Review of completed applications, and their supporting letters, will continue until the position is filled. For additional information please go to: https://www.mtholyoke.edu/acad/chemistry