2017 WEEKLY BULLETIN
DEPARTMENT OF CHEMISTRY, NORTHWESTERN UNIVERSITY
EVANSTON, ILLINOIS
October 16, 2017

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

Tuesday October 17th: *Faculty Lunch Seminar: Sossina Haile (guest speaker from Material Science)*
Tech K140
12:00-1:00pm

Announcements

The annual Chemistry Halloween Show will haunt Tech LR3 on Friday, October 27.

Chemistry's own legendary pyrotechnician, Eberhard Zwergel, will fill you with fright and delight as he casts his fiery spells.

Available showtimes are 9:00am and 1:00pm. Each show is approximately 50 minutes.

Admission is free but you must be on our ghost..err..guest list to enter. Please complete this Google Form to request addition to our list. Space is limited, so please reserve your spot in advance...OR ELSE...

Costumes strongly encouraged!

Special Note: All ages welcome but the noise and commotion may be overwhelming for very small children.

You must complete the above Google Form to request tickets. If you have any other questions please send an e-mail to chemhelp@northwestern.edu

ExxonMobil will be on campus to recruit PhD level candidates for full time and intern positions in research and engineering. Relevant degrees include Chemistry, Materials Science, Engineering (Chemical, Mechanical, Environmental, Civil, Industrial, Electrical) and related fields.

- Join us at our info session on **Wednesday, October 18th from 5-6:30**; **Tech K140**. Pizza will be provided!
- Apply at **jobs.exxonmobil.com** and at CareerCat. Interviews will be held October 19-20.
  Make sure resume/CV is up to date
  Attach an unofficial transcript when applying at jobs.exxonmobil.com
- Check out videos at facebook.com/ExxonMobilCareers and youtube.com/ExxonMobil

BIP

BIP meets every Friday in Tech K140 at 10:00am

Arrivals

We did not have any new arrivals

Opportunities

The Department of Chemistry at the University of Wyoming invites applications for an extended term Academic Professional Lecturer (APL) in organic chemistry. The successful candidate will teach at the undergraduate organic chemistry level and manage the undergraduate organic teaching labs. Responsibilities for the organic teaching labs will include experiment development and testing, supply purchasing, weekly lab setup, managing teaching assistants and maintenance of instruments and labs. The organic lab facilities are comprised of three labs with associated instrument rooms and computer analysis rooms in the recently completed Enzi Undergraduate Lab Facility (http://www.uwyo.edu/chemistry/building/). The successful applicant will also be required to contribute to departmental and university services.

Review of applications will begin January 15, 2018 and continue until suitable candidates are identified. The position will start Fall 2018 and will be filled at the Assistant APL level (6 year renewable terms via 9-month appointments). The University of Wyoming invites diverse applicants to consider our employment opportunities. We are also especially interested in candidates who have experience working with diverse populations and/or diverse initiatives. *Minimum Qualifications*: Ph.D. or equivalent in chemistry
Desired Qualifications: a strong background in practical organic laboratory operations, teaching experience at the undergraduate level and a strong understanding of mechanistic organic chemistry.
Required Materials: Complete the online application using the below link and upload as one document: a CV listing relevant organic laboratory experience, graduate level organic coursework, any teaching experience and include a statement of teaching philosophy.
https://jobs.uwyo.edu/psp/EREC/UWEXTERNAL/HRMS/c/HRS_HRAM.HRS_CE.GBL?Page=HRS_CE_JOB_DTL&Action=A&SiteId=6&JobOpeningId=9143&PostingSeq=1
Additionally, applicants should also arrange for three letters of recommendation to be submitted on their behalf to chemistry@uwyo.edu.

Duke's Chemistry Department is accepting applications for the Director of the Department's Shared Instrument Facility. The Director is responsible for the overall operation of the Facility, which includes but is not limited to instrument monitoring and maintenance, oversight of sample analyses, user training, administration for the Facility, and working with faculty to maximize the Facility's impact on the Department's research output. The facility houses instrumentation for mass spectrometry and a variety of spectroscopies. The Director will work with the Chemistry Department's Infrastructure Committee to define and implement the strategic goals of the Facility and to plan, direct, manage and lead the execution of scientific and research strategies, collaborations and operations of the Facility. A PhD degree is required as is experience with LC-MS/MS. Interested individuals should submit a CV and two letters of recommendation to https://academicjobsonline.org/ajo/jobs/10037.

Honeywell UOP, headquartered in Des Plaines, Illinois, USA, is a leading international supplier and licensor of process technology, catalysts, adsorbents, process plants, and consulting services to the petroleum refining, petrochemical, and gas processing industries.

An excellent career opportunity is available for a Sr. Engineer/Scientist within the Catalysis and Materials Research department of UOP's Research and Development organization located in Des Plaines, IL. This position represents a unique and visible opportunity to participate in the development of improved catalysts and adsorbents across a variety of UOP technology fields.

Responsibilities:
Maintain an active project portfolio of 2-4 research projects in the areas of catalyst and adsorbent research and development. Supervise laboratory technicians on carrying out required experimental plans. Ensure

alignment of goals of research projects with business objectives. Interface with other UOP departments including Pilot Plants, Analytical and Advanced Characterization to ensure robust catalyst development programs. Stay current on patent and open literature as they relate to research programs. Participate in all departmental safety activities and conduct all work with a high degree of attention to safety.
Ph.D. candidates and postdocs in Chemistry and Chemical Engineering are encouraged to apply.

Interested candidates should email resumes to Qianjun.Chen@Honeywell.com

Intel Corporation has several openings in the Logic Technology Development group for physical science Ph.D.s to support/direct R&D of advanced processing methods.
Candidates hired for these positions will be responsible for developing the next generation of Intel's microprocessors.

Ph.D. candidates in Materials Science, Chemistry, Chemical Engineering, Physics, Electrical Engineering or related fields are encouraged to apply.
Criteria for selection include: a strong academic record, demonstrated experimental expertise, an ability to drive and take responsibility for projects and a solid peer-reviewed publication record.
Hands-on experience using and maintaining complex scientific equipment is preferred, but not required.
Ideal backgrounds include experience with one or more of the following process methods: atomic layer deposition (ALD), chemical vapor deposition (CVD), Physical vapor deposition (PVD), chemical-mechanical polish (CMP), Electroplate, or Electroless plating.
Familiarity with other complex deposition and surface science technologies is a plus.

Openings are immediately available at Intel's primary development facility (Ronler Acres) located ~10 miles west of Portland, OR.

Interested candidates should email resumes to david.j.towner@intel.com

The University of Nevada, Reno is searching for a continuing full-time non-tenure-track Chemistry Lecturer. Duties include lecturing at the introductory and intermediate levels including physical chemistry, general chemistry, and analytical chemistry; overseeing the physical chemistry and instrumental analysis instructional laboratory programs and coordinating with departmental lecture courses; curriculum development and implementation; and undergraduate advising.

The successful applicant for this position will be encouraged to develop new laboratory experiments, with possibilities for incorporating modern physical chemistry laboratory experiments and computational chemistry. Applications for internal instructional enhancement funding and contributions to proposals for external instructional funding will also be encouraged.

This position requires training, evaluating and organizing the activities of graduate level teaching assistants; working effectively with chemistry stockroom staff; coordinating activities with other faculty; and working effectively with the department's Director of Laboratories/Safety Officer.
This is a 9-month full-time continuing position, with the potential for further summer opportunities including teaching, research, student advising, curricular development, and/or laboratory management.

The University of Nevada, Reno has a growing and increasingly diverse student population of approximately 21,000, including over 2,800 graduate students. The city of Reno offers an excellent quality of life, with entertainment and cultural opportunities in excess of most cities of similar size. The city lies one hour from Lake Tahoe and four hours east of San Francisco in the valley of the Truckee River on the eastern slope of the Sierra Nevada, and has a mild high desert climate. A highly rated

location for living and outdoor recreation, the Reno area also enjoys a flourishing and diverse intellectual, artistic, and cultural community.

The University of Nevada, Reno recognizes that diversity promotes excellence in education and research. We are an inclusive and engaged community and recognize the added value that students, faculty, and staff from different backgrounds bring to the educational experience.
Required Qualifications

Doctoral degree in Chemistry or closely related field and teaching experience.
Preferred Qualifications

Evidence of ability in and strong commitment to the following areas: teaching effectively at the introductory and intermediate levels of physical, analytical and general chemistry; developing and implementing new lecture and laboratory curricula; management of an instructional laboratory program.
Contact Information for this Position

Sharee Williams (775) 682-8795 shareew@unr.edu https://www.unrsearch.com/postings/25901

The School of Molecular Sciences (SMS; https://sms.asu.edu/) at Arizona State University invites applications for a full-time, tenure-track position as Assistant Professor of chemistry and biochemistry with an anticipated start date of August 2018. Candidates working in all areas of molecular sciences are invited to apply, including chemistry, biochemistry, physics and engineering of molecules and materials.
Job Duties: The successful candidate is expected to develop a vigorous externally-funded research program at ASU with significant national and international recognition, teach and mentor effectively at the undergraduate and graduate levels, and participate in professional and university service.
Minimum Qualifications:

- Doctorate in a field of science or engineering relevant to the chemistry, biochemistry, physics, or engineering of molecules and/or materials by time of appointment
- Demonstrated potential to establish a vigorous, externally-funded research program with national and international impact
- A strong record of research accomplishments
- A commitment to excellence in teaching and mentoring

Desired Qualifications:

- A strong potential for success in serving the needs of diverse student populations and/or reaching out to diverse communities
- Expertise in the areas of chemistry or biochemistry
- A strong interest in interdisciplinary research
- Evidence of a successful postdoctoral experience

To apply, please COMBINE all materials listed below into ONE pdf file via the employment application portal: (1) a cover letter, (2) a comprehensive curriculum vitae that includes a complete record of publications, patents and other meaningful demonstrations of impact in the field, and (3) a succinct outline of future research. (Contact information for at least three references may be requested at a later stage of the application and interview process.)
The initial deadline for review of complete applications is Monday, October 23rd, 2017. If not filled, applications will continue to be reviewed weekly thereafter until the search is closed. A background check is required for employment.
The School of Molecular Sciences (formerly the Department of Chemistry and Biochemistry) at Arizona State University is an organization of more than 55 faculty members, 100 staff, and 1400 graduate and undergraduate students who work at the forefront of science and technology innovation and education. It influences and impacts broad university-wide initiatives in fundamental science, health, sustainability,

energy, food-water-climate, security, materials, manufacturing, space exploration and other endeavors of advanced technology.
ASU is located on four campuses and two research parks within the Phoenix metropolitan area and is one of the largest universities in the U.S. The School is located on the Tempe campus. ASU is ranked within the top 100 research universities in the world, as well as, being recognized as the most innovative university in the country. It is home to the Biodesign Institute (https://biodesign.asu.edu/) and the Global Institute of Sustainability (https://sustainability.asu.edu/), both of which have strong representation from SMS faculty. Diversity is a key component of excellence at ASU, and the School of Molecular Sciences supports the value of diversity among faculty, staff, and students.
Arizona State University is a VEVRAA Federal Contractor and an Equal Opportunity/Affirmative Action Employer. All qualified applicants will be considered without regard to race, color, sex, religion, national origin, disability, protected veteran status, or any other basis protected by law. ASU's full non-discrimination statement (ACD 401) is located on the ASU website at:
https://www.asu.edu/aad/manuals/acd/acd401.html https://www.asu.edu/titleIX/
Please direct questions about the position to Laura Hoffman at laura.m.hoffman@asu.edu.
To apply, please COMBINE all required materials into ONE pdf file.

New College of Florida invites applications for a tenure-track Assistant Professor position in Organic Chemistry and a tenure-track Assistant Professor position in Bioorganic Chemistry, both starting in August 2018. A Ph.D. in chemistry is required for both positions. The successful candidates must be committed to excellence in teaching and research. Teaching experience and postdoctoral research experience are strongly preferred. New College is committed to recruiting and retaining a diverse faculty. Women and candidates from underrepresented groups or whose knowledge or skills can support an inclusive culture and learning environment are especially encouraged to apply.

The teaching load is two courses per semester plus sponsoring individual and group tutorials. In addition to classes and tutorials, faculty members provide academic advising, supervise independent study projects, sponsor senior undergraduate theses/projects, and serve on baccalaureate committees. We are particularly interested in candidates who have a demonstrated commitment to innovative undergraduate liberal arts teaching. The successful candidates are expected to establish and maintain a program of research. New College welcomes research programs that complement those of the current faculty.

Situated on the Gulf Coast of Florida and Sarasota Bay, New College is a nationally recognized, highly-selective public honors college with an 11:1 student/faculty ratio. Students are intellectually independent and highly motivated. Undergraduate research has a central role in the curriculum, and a senior thesis/project is required of all students. Students receive narrative evaluations in lieu of grades. New College is committed to excellence in undergraduate teaching and research and encourages collaborative student-faculty scholarship. www.ncf.edu . A description of the Division of Natural Sciences is at https://www.ncf.edu/academics/undergraduate-program/division-of-natural-sciences/.

A complete application will include a letter of application, curriculum vitae, the names of three references (including at least one who can address teaching), unofficial graduate transcripts, a statement of teaching philosophy that includes course proposals, a statement regarding the candidate's contributions or approaches to supporting an inclusive culture and learning environment, and a description of proposed research that specifically highlights how undergraduates would participate. Review of completed applications will begin October 2 and continue until the position is filled. According to Florida law, applications and meetings regarding applications are open to the public upon request. An online application:
https://ncf.simplehire.com/ should be completed. New College of Florida is an EOE institution.

The Department of Chemistry at Case Western Reserve University(CWRU) invites applications for a tenure track Assistant Professor faculty position in the research area of RNA chemistry. Preference will be given to candidates with demonstrated expertise in applying chemical methods to study RNA structure-function, protein-RNA complexes, or RNA-targeted small molecule synthesis. The successful candidate will be expected to develop an internationally visible research program supported by external funding and will contribute to teaching within the areas of organic chemistry. Normal teaching load for faculty with active research programs is one course per semester plus ancillary duties. A Ph.D., research publications, and postdoctoral (or comparable industrial) experience are required.
This position is related to recent Departmental and University strategic initiatives, and builds upon the strong history of RNA science at CWRU. The new hire will thus complement current expertise in RNA science, and be expected to establish collaborations with scientists at centers such as the Center for RNA Science & Therapeutics, the Center for AIDS Research, and the Case Comprehensive Cancer Center.

To be considered, a letter of application, CV, and a summary of research plans should be sent by email c/o Suzi Mason (sxm763@case.edu) before November 10, 2017. In addition, three letters of recommendation should be independently emailed directly to Suzi Mason by this date.

In employment, as in education, Case Western Reserve University is committed to Equal Opportunity and Diversity. Women, veterans, and members of underrepresented minority groups and individuals with disabilities are encouraged to apply. Case Western Reserve provides reasonable accommodations to applicants with disabilities. Applicants requiring reasonable accommodation for any part of the application and hiring process should contact the Office of Inclusion, Diversity and Equal Opportunity at 216-368-8877 to request a reasonable accommodation. Determinations as to granting reasonable accommodations for any applicant will be made on a case-by-case basis.

California State University, San Bernardino Department of Chemistry and Biochemistry is accepting applications for a full-time tenure-track Assistant Professor of Biochemistry
SPECIALIZATION: Any area of biochemistry; expertise in biomaterials, biomolecular modelling, bioinformatics or bioanalytical chemistry would complement existing research capabilities, and could lead to research collaboration and/or course development..
DUTIES OF THE POSITION: Innovative and cutting-edge teaching at the undergraduate level. Bring creative approaches in teaching general and introductory chemistry, biochemistry, and in the area of specialization (e.g. bioanalytical chemistry, biomaterials, bioinformatics, etc.). Develop, implement and sustain an externally funded, independent research agenda involving undergraduate students. Participate in service activities in support of the department, college, university, and/or community.
RANK AND SALARY: Assistant Professor. Salary is dependent upon educational preparation and experience, and is subject to budgetary authorization.
DATE OF APPOINTMENT: Fall Quarter 2018 (September).
QUALIFICATIONS: Candidates must have a Ph.D. in chemistry, biochemistry, or closely-related field, conferred by time of appointment. Postdoctoral experience and/or teaching experience is desirable.
APPLICATION DEADLINE: Review of completed applications will begin on October 16, 2017.
Please submit contact information and copies of transcripts of all post-secondary degrees (official transcripts will be required prior to appointment), curriculum vitae, a statement of teaching philosophy and strategies, and a statement of research/professional accomplishments,and future plans, and a Diversity Statement with a cover letter. Please also arrange to have three letters of reference sent on your behalf to facultyrecruitment@csusb.edu.
Materials are submitted online through https://.governmentjobs.com/careers/csusb/jobs/1801088-0/chemistry-biochemistry-assistant-professor-tenure-track.

Referees should email confidential letters of recommendation to facultyrecruitment@csusb.edu .
Questions may be directed to the department chair,
Kimberley Cousins at kcousins@csusb.edu.
Further information regarding this position may be viewed on our website: http://chem.csusb.edu/

The College of Science at Virginia Tech and the Academy of Integrated Science, through its Integrated Science Curriculum (https://www.ais.science.vt.edu/programs/isc.html) , are placing a strong emphasis on integrated and interdisciplinary teaching. As part of this initiative, Virginia Tech has a non-tenure track faculty position for the Leader of the Integrated Science Curriculum in the Academy of Integrated Science to start in Fall 2018. The appointment will be at the rank of Collegiate Assistant Professor with an initial 3-year appointment and the possibility of multi-year renewal upon successful review.
The Integrated Science Curriculum is a two-year program that prepares students from the College of Science for their respective majors through a curriculum built around student teams working on problem-oriented exercises while mastering interdisciplinary concepts. Biology, chemistry, mathematics, and physics are intertwined, in lectures and in labs, to achieve a dynamic understanding of a wide range of fundamental principles within the modern scientific method.
We seek candidates who are passionate about interdisciplinary teaching of undergraduate students in an inclusive and integrated environment. Responsibilities include teaching undergraduate courses and laboratories related to the Integrated Science Curriculum, where successful candidates will:
● Make significant contributions to our interdisciplinary undergraduate instruction; coordinate laboratory and lecture courses, work closely with our undergraduate students, and lead efforts in curriculum enhancements and innovative pedagogy;
● Continue to develop professional capabilities and participate in scholarly activities, including travel to and participation in professional conferences and societies; and participate in department, college, and university service and governance, as well as professional service.

Applicants must have a Ph.D. in biochemistry, biology, chemistry, physics or a closely related field. Successful candidates will be expected to teach effectively at the undergraduate level and work closely with the existing interdisciplinary programs in the Academy of Integrated Science. Applications must be submitted online at https://listings.jobs.vt.edu/postings/80232 (posting number TR0170134) and should include a cover letter, curriculum vitae, a statement of teaching philosophy that describes an integrated vision for interdisciplinary science education, a description of previous activities mentoring minorities, women, or members of other underrepresented groups as well as how the applicant will further Virginia Tech's commitment to build a culturally diverse educational environment, and contact information for three references. The review of applications will begin on January 15, 2018 and continue until the position is filled. As part of the hiring process, the successful applicant must pass a criminal background check. Questions regarding the position can be directed by Email to Prof. Michel Pleimling, Integrated Science Curriculum Faculty Search Committee Chair, at pleim@vt.edu.
Virginia Tech is an EO/AA university, and offers a wide range of networking and development opportunities to women and minorities in science and engineering, and additionally provides a competitive dual hiring program for couples. Individuals with disabilities desiring accommodation in the application process should notify Dr. Nora Dragovic in the Academy of Integrated Science (Email: nora84@vt.edu, Tel: 540- 231-8131).

Bridgestone Americas Center for Research and Technology located in Akron, Ohio is currently seeking applications for Synthesis Chemist positions for the Synthesis Group at the Bridgestone Center for Research and Technology.
Qualified candidates should have a Ph.D. in Organic, Inorganic or Polymer Chemistry, with a strong fundamental understanding of Organic and Inorganic Chemistry as well as excellent bench synthesis skills with an interest and demonstrated ability to perform hands-on synthesis, purification, and

characterization experiments. Some knowledge of and experience with polymers is preferred but not required. We are seeking candidates with 0-7 years of post-doctoral industrial experience.
Scientists will work in a multidisciplinary environment collaborating with a team of scientists and engineers to develop, optimize and scale up the production of new polymers and other materials for tire as well as non-tire applications.
The ideal candidate should be a creative individual with much initiative, a strong academic record, and have good problem-solving abilities. Solid verbal/written communication and interpersonal skills are also needed. The ability to interact effectively with other researchers locally as well as associates in other parts of the Corporation in the US and abroad is critical to success in this position.

Applicants must be authorized to work in the United States. A pre-employment drug test is required.
Interested parties are invited to apply by visiting this website:
https://bebridgestone.com/en_us/job-details?id=2017-118051
Bridgestone Americas, Inc. is an Equal Employment Opportunity (EEO) employer.

.**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.