

2016 WEEKLY BULLETIN
DEPARTMENT OF CHEMISTRY, NORTHWESTERN UNIVERSITY
EVANSTON, ILLINOIS
March 7, 2016

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

Tuesday March 7th: *Faculty Lunch Seminar: Peter Stair*
Tech K140
12:00-1:00pm

BIP

BIP every Friday in Tech K140 10-11:00am

Arrivals

We did not have any new arrivals last week

Announcements

The 8th Yao Yuan Biotech-Pharma Symposium April 23, 2016 - Emerging Therapeutics: A Fundamental Driver of Pharma's Future Growth; University of Illinois at Chicago, College of Pharmacy Auditorium

Despite the high cost and low probability of success associated with drug discovery and development, we are at a time that new drugs with improved profiles and new mechanisms of action are still emerging. As a result of better understanding fundamental biology, rigorous academic and industrial research, and fruitful collaborations, scientists are discovering break-through therapies for hard-to-treat diseases and greatly benefitting patients. In this forum, case studies on early discovery research and clinical development of compounds that are on or at the brink of being brought to the market will be presented. Progress in the exciting field of oncology (e.g., CAR-T cells, IDO and BCL-2 inhibitors), which is at the tipping point of producing revolutionary therapies, will also be discussed.

Time: April 23, 2016

Venue: University of Illinois at Chicago, College of Pharmacy Auditorium

Address: 833 S Wood St, Chicago, IL 60612

Confirmed Speakers:

Dr. Samuel Blackman, Senior Medical Director, Juno Therapeutics

Dr. Andrew P. Combs, Vice President, Incyte Corporation

Dr. Michael E. Jung, Distinguished Professor, UCLA

Dr. Dennis C. Liotta, Samuel Candler Dobbs Professor, and Executive Director Emory Institute for Drug Development, Emory University

Dr. Andrew Souers, Senior Research Fellow & Project Director, AbbVie, Inc.

Student Poster Award and Presentations

Panel Discussion: What Skills and Experience Are Pharma Looking For?

Sponsor's Exhibitions

Chaired by:

Dr. Xueqing Wang, Sr. Group Leader, Discovery Chemistry and Technology, AbbVie, Inc.

Dr. Hyunwoo Lee, Assistant Professor, Department of Biopharmaceutical Sciences, University of Illinois at Chicago

Dr. Alexander Mankin, Professor and Director, Center for Pharmaceutical Biotechnology, University of Illinois at Chicago

[To Register for the 8th Yao Yuan Biotech-Pharma Symposium](#)

Calling all Chemists interested in Law, Business, and Technology!

The one-year [Master of Science in Law \(MSL\)](#) program at Northwestern Pritzker School of Law prepares students for careers at the intersection of law, business, and technology. Designed especially for students with engineering, science, technology, mathematics, and medical backgrounds, the MSL provides practical, focused, business-centered legal training that enables students to communicate across disciplines; develop, protect, and manage intellectual property; bring ideas to market; and navigate the legal and regulatory structures that exist in STEM settings. MSL graduates are well positioned for careers as: patent agents; IP/patent portfolio managers; scientific and/or technical consultants; business developers; regulatory strategists; compliance officers; patent coordinators; entrepreneurs; and more. Scholarships are available.

Learn more by joining us for our upcoming webinar. We will provide a comprehensive overview of the MSL program, including curriculum, full-time and part-time scheduling, career opportunities, and more. We will also take questions from the audience.

- March 9 at 5pm
- April 7 at 4pm
- Join online: <https://northwesternuniversity.adobeconnect.com/mslwebinar>

Anyone interested in the Master of Science in Law program is welcome to contact Susan Dennehy, Administrative Director, at susan.dennehy@law.northwestern.edu.

LabVIEW Boot Camp at Northwestern

If you are new to LabVIEW or looking to improve your skills, this free hands-on course introduces you to graphical programming with LabVIEW system design software. Learn how to develop data acquisition, instrument control, data logging, and measurement analysis applications. Benefit from an opportunity to take the Certified LabVIEW Associate Developer (CLAD) exam, a globally recognized entry-level certification exam, for free.

Cost: Free (a \$3,200 USD value)

You will:

- Learn the essentials you need to successfully build an application requiring measurement or control
- Explore the LabVIEW environment, dataflow programming, and common LabVIEW techniques to jump-start application development or improve your existing applications
- Create applications using the state machine design pattern to acquire, process, display, and store real-world data
- Gain an overview of key concepts and preparation materials for the CLAD exam

Registration information:
Northwestern University
Technological Institute

IMSERC Computer Lab, Room B190

March 21 - March 24

9:00 a.m.–5:00 p.m.

Must attend all days to take the exam

Registration

link: <http://sine.ni.com/nievents/app/offering/p/offeringId/2365398/site/nic/country/us/lang/en>

Opportunities

Professor Oren Scherman (University of Cambridge) is looking for an extremely motivated and talented individual for the position of group manager and scientific coordinator. The Scherman Group Manager will be an integral member of Professor Scherman's group based in the Melville Laboratory within the Department of Chemistry at the University of Cambridge, acting as coordinator and administrator for his large interdisciplinary research team. The role holder will manage the running of a large research team (which comprises of 25-30 post-doctoral researchers, graduate students, and visitors) and co-ordinate its extensive research activities across a number of centres within the University. The role holder will develop and provide support mechanisms which enable and promote collaboration with external organisations (to arrange facilities not available within the group and foster relationships with external research partners) and have oversight of medium to long term research operation strategy. In addition, the role holder will provide research, personnel and financial advice to the PI (including the development of appraisal and performance management). The role holder has responsibility for the effective management of the appropriate financial resources and be responsible for medium term financial planning.

Duties will include contributing directly to the teaching and research activities of the group in the area of experimental chemistry. In addition the role holder will assist with the writing of publications and reports for funding bodies. Contribution to teaching will include assistance in the presentation of seminars and may include participation in the research group's teaching and outreach programme. The successful candidate will be educated to PhD level in Chemistry or a field related to the research activities in the group and have breadth of experience in research coordination / group administrative. Having well-developed communicational skills and the ability to relate well to a wide range of people is essential. Additionally, having a high degree of literacy with experience of independently writing clear and concise documents and the ability to make independent decisions and take effective action is highly desirable.

Fixed-term: The funds for this post are available for 3 years in the first instance.

Once an offer of employment has been accepted, the successful candidate will be required to undergo a health assessment.

To apply online for this vacancy, please go to the following website:

<http://www.jobs.cam.ac.uk/job/9362/>

and click on the 'Apply' button at the bottom of the page. This will route you to the University of Cambridge Web Recruitment System, where you will need to register an account (if you have not already) and log in before completing the online application form.

For informal queries please contact Emma Graham ejg49@cam.ac.uk, 01223 763188.

Please quote reference MA08210 on your application and in any correspondence about this vacancy. Further information can also be found on the website.

The University of Prince Edward Island invites applications to the Department of Chemistry for consideration for a tenure track position in Materials Chemistry at the Assistant Professor level, to commence on August 1, 2016. The position will be cross-appointed with the School of Sustainable Design Engineering. The applicants should hold a PhD degree in chemistry, materials science and engineering, or a closely related field; and have relevant postdoctoral and/or industrial experience. Teaching experience would be a strong asset. While the position is at the Assistant level, applicants at a higher level (Associate and Full Professor) will also be considered.

The Department of Chemistry and the School of Sustainable Design Engineering are committed to undergraduate and graduate teaching, and the successful candidate will be expected to teach courses in inorganic chemistry, as well as introductory chemistry; and courses in the field of materials science and engineering. It is expected that the successful faculty member will develop a vigorous research program that will attract external funding. He/she is also expected to initiate and develop strong research collaborations between the Department of Chemistry and the School of Sustainable Design Engineering as well as with industry partners.

The Department of Chemistry at UPEI has a strong commitment to teaching and research, and UPEI's School of Sustainable Design Engineering focuses on a design-based student learning experience that is hands on, team-focused, project-oriented, and industry-linked.

UPEI is well equipped with modern instrumentation including a 300 MHz FT-NMR, a powder Xray diffractometer, elemental analyzer, TGA, DSC, DMA, high resolution TEM/SEM, and GCMS. UPEI also maintains close ties to the Duffy Research Centre, which allows access to a wide range of research instrumentation including 600 MHz NMR and High Resolution Mass Spectrometers. This position is subject to final budgetary approval.

Complete applications will consist of a *curriculum vitae*, a research proposal (NSERC format) and a statement of the applicant's teaching philosophy and experience. The teaching statement should also outline any past experience with undergraduate laboratory development, experiential and hands-on learning, and mentoring students in a project-based environment. Applicants must also arrange for letters from three referees to be sent directly to the address below. To receive full consideration, complete applications should be received electronically (pdf or word file) by April 1, 2016; however applications will be accepted until the position is filled.

In accordance with Canadian immigration requirements, all qualified candidates are encouraged to apply; however, Canadian citizens and permanent residents will be given priority. UPEI is committed to the principle of equity in employment.

Enquiries and applications should be sent electronically to:

Dr. Rabin Bissessur,
Chair, Department of Chemistry
University of Prince Edward Island
550 University Avenue
Charlottetown, PE, C1A 4P3
Phone: (902) 566-0510, Fax: (902) 566-0632
Email: rabisessur@upei.ca

Closing date for applications is April 1, 2016 or until a suitable candidate is identified.

The Clowes Department of Chemistry at Butler University invites applications for a one year instructor position in chemistry beginning in August 2016. The primary job responsibilities will involve teaching general chemistry courses and non-majors chemistry courses.

Additional information about Butler University may be found at <https://www.butler.edu/>. Consideration will begin immediately and will continue until the position is filled.

The successful candidate should have a Ph.D. in chemistry, but ABD may be considered. Candidates should submit the following to CHsearch@butler.edu

- CV
- Statement of teaching philosophy
- Graduate Transcripts and
- Three (3) letters of recommendation

The University of Liverpool is seeking to recruit to up to 10 academic positions in the Faculty of Science and Engineering in the broad area of materials research, distributed across the School of Physical Sciences (Chemistry, Physics & Mathematics), School of Engineering, the School of Electrical, Electronic Engineering and Computer Science, and the School of Environmental Sciences across the areas of Chemistry, Physics, Materials Science, Engineering, Computer Science. You should have an outstanding research track record, as demonstrated by publications and other relevant outputs.

Applications will be considered from any area of materials research, but would be particularly welcomed in the areas of computational materials chemistry, polymer physics, rheology, robotics and/or automated metrology, biomaterials, materials processing and related areas. The posts will be aligned with the Materials Innovation Factory (MIF), a major new £68m research institute that is being established at the University. For the Chair or Readership positions you will be expected to demonstrate a significant track record of funding and a capacity for leadership in your field.

The University is an Athena SWAN Bronze Award holder and is committed to encouraging, developing and supporting women in their research and academic careers. We are working to create an inclusive environment which values a diverse workforce and we recognise that many individuals value flexibility in their work/life balance, therefore these posts may be taken up on a part-time (a minimum of 0.5fte) or full-time basis (including a job share).

<https://www.liverpool.ac.uk/working/jobvacancies/currentvacancies/professorial/a-590406/>

The Department of Chemistry at Smith College has initiated a search for a non-tenure-track, full-time visiting Assistant Professor of Chemistry position to begin July 2016. This position is an initial one-year appointment with an additional re-appointment possible, conditional on performance and the needs of the College. Depending on the candidate's field of specialization, primary teaching responsibilities will include a total of five courses per year in areas suited to the candidate's expertise. The department offers courses in General, Organic, Inorganic and Physical chemistry, as well as Biochemistry and Environmental Chemistry. All members of the Chemistry Department participate in teaching and we seek a colleague committed to learning, developing, and maintaining a dynamic curriculum that is responsive to the needs of Smith's diverse and talented student body. Applicants must have a Ph. D. in chemistry and a commitment to excellence in teaching; post-doctoral experience is not required but preferred.

We believe this is an outstanding opportunity for any Ph.D. graduate/ Post-doctoral associate who would want to get real academic experience at a top liberal-arts institution. Smith College is a member of the Five College Consortium with Amherst, Hampshire, and Mount Holyoke Colleges, and the University of Massachusetts. <http://www.smith.edu/deanoffaculty/facultypositions.html#CHM>

The Department of Chemistry at North Carolina State University is seeking to fill TWO tenure track faculty positions in the area of Analytical Chemistry. Of particular interest are those individuals developing innovative and sophisticated programs in measurement science to quantitatively characterize complex chemical and biological systems. These are open rank searches; however, preference will be given to candidates at the junior level whose research interests will complement existing programs in the Department, College of Sciences, and University.

Successful candidates are expected to establish a nationally and internationally recognized research program and to demonstrate strong interests and abilities in teaching at both the undergraduate and graduate levels. Candidates must possess a PhD and post-doctoral experience in Chemistry or a related scientific field to be considered for this position. Candidates should submit electronic copies of their curriculum vitae, research proposals, and a cover letter at: <http://jobs.ncsu.edu> under position number 00105377. The candidates should also arrange to have three letters of recommendation sent on their behalf to Professor David C. Muddiman, Chair of the Search Committee. Review of applicant materials will begin on March 15, 2016 and will continue until the positions are filled. We welcome the opportunity to work with candidates to identify suitable employment opportunities for spouses or partners. AA/EOE. All qualified applicants will receive consideration for employment without regard to race, color, national origin, religion, sex, gender identity, age, sexual orientation, genetic information, status as an individual with a disability, or status as a protected veteran. Individuals with disabilities requiring disability-related accommodations in the application and interview process, please call 919-515-3148 .

The Department of Biomedical and Pharmaceutical Sciences in the College of Pharmacy at The University of Rhode Island invites applications for a full-time tenure-track, Assistant Professor of Pharmaceutics position. This is a joint appointment with the Department of Chemical Engineering. Anticipated start date is July 2016. The successful candidate is expected to establish an extramurally funded research program in pharmaceutical formulation, drug delivery or dosage form design, contribute to teaching in the Doctor of Pharmacy, B.S. in Pharmaceutical Sciences, and graduate programs. In addition the candidate is expected to and participate serve on departmental, college, university and extramural committees.

Visit the URI jobs website at: <https://jobs.uri.edu> to apply and view the complete details of the job posting (#SF00220). Please attach 4 (PDF) documents to your online Faculty Profile Application: (#1) Cover letter, (#2) Curriculum Vitae which include the names and contact information of three professional referees, (#3) "Other Document" which combines the following as one complete document: a concise description of research accomplishments and future research plans, (#4) Statement of teaching experience and interests (as one complete document). APPLICATION DEADLINE: The search will remain open until the position is filled. First consideration will be given to applications received by March 15, 2016. Second consideration may be given to applications received by April 15, 2016. Applications received subsequent to the second consideration date (April 15, 2016) may not be given full consideration.

APPLICATIONS MUST BE SUBMITTED ONLINE ONLY. The University of Rhode Island is an AA/EEOD employer. Women, persons of color, protected veterans, individuals with disabilities, and members of other protected groups are encouraged to apply.

The Department of Biomedical and Pharmaceutical Sciences in the College of Pharmacy at The University of Rhode Island invites applications for a full-time tenure-track, Assistant/Associate Professor of Pharmaceutics position. Anticipated start date is July 2016. The successful candidate is expected to establish an extramurally funded research program in pharmaceutical formulation, drug delivery or dosage form design, contribute to teaching in the Doctor of Pharmacy, B.S. in Pharmaceutical Sciences, and graduate programs and participate in service activities.

Visit the URI jobs website at: <https://jobs.uri.edu> to apply and view complete details for job posting (#SF00221). Please attach 4 (PDF) documents to your online Faculty Profile Application: (#1) Cover letter, (#2) Curriculum Vitae which include the names and contact information of three professional referees, (#3) "Other Document" which combines the following as one complete document: a concise description of research accomplishments and future research plans, (#4) Statement of Teaching experience and interests (as one complete document).

APPLICATION DEADLINE: The search will remain open until the position is filled. First consideration will be given to applications received by March 15, 2016. Second consideration may be given to applications received by April 15, 2016. Applications received subsequent to the second consideration date (April 15, 2016) may not be given full consideration. APPLICATIONS MUST BE SUBMITTED ONLINE ONLY. The University of Rhode Island is an AA/EEOD employer. Women, persons of color, protected veterans, individuals with disabilities, and members of other protected groups are encouraged to apply.

Lamar University invites applications for a tenure-track faculty position in Analytical/Forensic Chemistry. The position is available in fall 2016 pending final funding. Salary is negotiable based upon qualifications and experiences. The position will be at the rank of assistant professor. The review of applications will begin immediately and continue until the position is filled.

Applicants with expertise in forensic, instrumentation, or related field of analytical chemistry, are encouraged to apply. With a recently completed \$7 million renovation to our facilities, an investment of \$1.5 million in instrumentation, and a growing graduate program, we are seeking a motivated teacher and researcher with an earned doctoral degree.

Qualifications:

Doctoral Degree. Candidates are expected to have a strong potential for creative, independent research and demonstrate a commitment to education at all levels.

A Member of the Texas State University System, Lamar University is an equal opportunity/ affirmative action employer that actively seeks and encourages applications and expressions of interest from members of traditionally under-represented groups in higher education.

Applicants must apply online at <https://jobs.lamar.edu> by completing the online application and attaching a complete vitae, a statement of teaching interests and experience, research plans (including undergraduate participation but not to exceed five pages), and a list of at least three professional references.

Lamar University invites applications for a tenure-track faculty position in Environmental Chemistry. The position is available in fall 2016 pending final funding. Salary is negotiable based upon qualifications and experiences. The position will be at the rank of assistant professor. The review of applications will begin immediately and continue until the position is filled.

Applicants with expertise in environmental, terrestrial or atmospheric chemistry, biochemistry, or related

field of chemistry, are encouraged to apply.

With a recently completed \$7 million renovation to our facilities, an investment of \$1.5 million in instrumentation, and a growing graduate program, we are seeking a motivated teacher and researcher with an earned doctoral degree.

Minimum Qualifications

Qualifications:

Doctoral Degree. Candidates are expected to have a strong potential for creative, independent research and demonstrate a commitment to education at all levels.

A Member of the Texas State University System, Lamar University is an equal opportunity/ affirmative action employer that actively seeks and encourages applications and expressions of interest from members of traditionally under-represented groups in higher education.

Applicants must apply online at <https://jobs.lamar.edu> by completing the online application and attaching a complete vitae, a statement of teaching interests and experience, research plans (including undergraduate participation but not to exceed five pages), and a list of at least three professional references.

The Department of Chemistry at Kalamazoo College invites applications for a full-time Visiting Assistant Professor position for one year—September 2016 through June 2017. The successful applicant will contribute to teaching in Organic Chemistry. A Ph.D. in chemistry or the equivalent is required (or evidence of imminent completion). Prior teaching experience is desirable. Candidates must demonstrate an interest in undergraduate teaching. The Departmental website can be viewed at: <http://www.kzoo.edu/chem>.

Kalamazoo College is a highly selective, nationally known liberal arts college of approximately 1450 motivated students, offering an integrated undergraduate experience that weaves a traditional liberal arts curriculum into domestic and international educational experiences (www.kzoo.edu). Approximately 10% of students major in Chemistry. Graduates of the Chemistry Department pursue studies in the health care field, graduate-level work in the discipline, or move directly into industrial positions. The campus is located midway between Chicago and Detroit, and the Kalamazoo area encompasses a community of 225,000, which supports several college and university campuses along with numerous civic arts and cultural associations. Thirty-five miles from Lake Michigan, the area offers many opportunities for outdoor activities.

Review of applications will begin immediately and will continue until the position is filled. A cover letter, curriculum vitae, statement of teaching philosophy, undergraduate and graduate transcripts (unofficial is acceptable), and three letters of recommendation addressed to Laura Lowe Furge, Chair, Department of Chemistry, Kalamazoo College, 1200 Academy Street, Kalamazoo, MI 49006-3295, should be submitted electronically in pdf format to the administrative assistant, Lauryn Kindle at Lauryn.Kindle@kzoo.edu.

Kalamazoo College encourages candidates who will contribute to the cultural diversity of the College to apply and to identify themselves if they wish. Equal Opportunity Employer

The National Research Council of the National Academies sponsors a number of awards for graduate, postdoctoral and senior researchers at [participating federal laboratories and affiliated institutions](#). These awards include generous stipends ranging from \$42,000 - \$80,000 per year for recent Ph.D. recipients, and higher for additional experience. [Graduate](#) entry level stipends begin at \$30,000. These awards provide the opportunity for recipients to do independent research in some of the best-equipped and staffed laboratories in the U.S. Research opportunities are open to U.S. citizens, permanent residents, and for

some of the laboratories, foreign nationals.

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

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

Review Cycle: **February**; Opens December 1; Closes February 1

Review Cycle: **May**; Opens March 1; Closes May 1

Review Cycle: **August**; Opens June 1; Closes August 1

Review Cycle: **November**; Opens September 1; Closes November 1

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