

2015 WEEKLY BULLETIN
DEPARTMENT OF CHEMISTRY, NORTHWESTERN UNIVERSITY
EVANSTON, ILLINOIS
January 12, 2015

Tuesday January 13th: *Faculty Lunch Seminar: Lin Chen*
Tech K140
12:00 – 1:00pm

Friday January 16th: *Special Seminar: Kyril Solntsev*
Ryan Hall 4003
2:00 – 3:00pm

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

BIP

Meets every Friday at 2:45pm in Tech K140

Arrivals

Haijie Chen joined the Kanatzidis group
Ashley Jaworski joined the Scheidt group
Mi-Hee Jung joined the Kanatzidis group
Zach Kean joined the Stoddart group
Hien Nguyen joined the Silverman group
Boobalan Pachaiyappan joined the Silverman group
Hoa Pan joined the Harris group

Announcements

How to Secure Initial Financing for Your Startup presented by INVO – Innovation and New Ventures Office

SBIR/STTR GRANTS ARE THE ONLY SUBSTANTIVE SOURCE OF NON-DILUTIVE FUNDING

PLEASE JOIN US FOR THIS INFORMATIONAL SESSION, IF YOUR RESEARCH FINDINGS HAVE COMMERCIAL POTENTIAL AND YOU'RE THINKING ABOUT STARTING A COMPANY BASED ON YOUR RESEARCH.

Tuesday, February 3rd
Noon-1:30 PM
Ford ITW Room
(2nd floor)

Wednesday, February 4th
Noon-1:30 PM
Lurie Research Center
Gray Seminar Room

Topics Covered in this Informational and Q&A Session:

Small Business Innovation Research (SBIR) & Small Business Technology Transfer (STTR) Grants

- What these grants are
- Which agencies provide them & How to find SBIR/STTR topics
- Eligibility requirements
- Benefits from a business model perspective
- Best practices and tips from successful recipients
- Where to receive support before or during grant preparation

Presenters Include:

- Jeff Coney, Director of Economic Development, Innovation and New Ventures Office
- Barbara Goodman, Senior Vice President, PROPEL, iBIO Institute
- Anna Lisa Somera, Director of Quality Regulatory Affairs and Operations, Diagnostic Photonics, Consultant to Briteseed and Innoblative Design
- Samir Mayekar, Co-Founder and CEO, SiNode Systems (Evanston Location)
- Rebecca McNaughton, Project Manager, Infinitesimal (Chicago Location)

Opportunities

Department of Chemistry and Biochemistry at the University of Montana seeks an energetic and ambitious tenure track assistant professor with research interests in bioinorganic chemistry. Preference will be given to bioinorganic chemists that use biophysical, structural biology or mechanistic approaches that will integrate with the Center for Biomolecular Structure and Dynamics. The successful applicant will develop a vigorous, externally funded research program, teach upper division inorganic chemistry and provide strong mentoring to research students at both the undergraduate and graduate levels.

Applicants must hold a Ph.D. or equivalent degree and have a demonstrated record of graduate and postdoctoral research excellence. A competitive startup package will be provided. UM, the College of Humanities and Sciences, and the Department embrace diversity as a core value. Applications from persons with diverse backgrounds are especially welcome. UM is an EEO/AA employer.

The university is located in the picturesque Missoula valley and is surrounded by mountains, streams and countless recreating opportunities. More information about the Department and the CBSD can be found at: <http://www.cas.umt.edu/chemistry/> and <http://cas.umt.edu/departments/cbsd/>

How to Apply:

Screening of applications will begin on January 15, 2015 and will continue until the position is filled.

Applicants are required to submit the following materials online via "New Resume/CV" button below. Step 5 "Attachments" in the online application process is where you may upload additional materials.

Only five (5) attachments are allowed per application. Please combine documents accordingly.

Applicants should provide the following information:

Letter of intent

Full CV

Summary of research plans

Statement of teaching philosophy

Three (3) letters of recommendation

These letters must be submitted via e-mail to UmJobs@mso.umt.edu (in one of the following formats: doc, xls, txt, rtf, pdf, gif, jpg, htm, html) and must reference the position title and department in the e-mail.

Inquiries about the position may be directed to the Department at: chemistry@umontana.edu. For questions regarding the application process or application system, please contact the HRS Recruitment Office at the University of Montana via email at marcie.briggs@umontana.edu.

The Department of Chemistry at the University of Texas at El Paso (UTEP) invites applications for a tenure-track faculty position in Physical Chemistry (broadly defined including Physical Inorganic, Physical Organic, and Physical Biochemistry) at the Assistant Professor level with an anticipated appointment date for Fall 2015. The successful candidate is expected to develop a vigorous, energetic and externally funded research program, to be committed to teaching at undergraduate and graduate (master and doctorate) levels, to mentor students, and to serve the department, college, university, discipline, and community. The Department of Chemistry has top of the line facilities including NMR spectroscopy, mass spectrometry, EPR, x-ray crystallography (small molecule and protein), and cryo-electron microscopy located in the brand new state-of-the-art Chemistry and Computer Science Building. Candidates' research should have a strong potential for extramural funding and for the establishment of collaborations with other laboratories. Preference will be given to candidates whose research employs innovative approaches in areas including energy, environmental, and biosciences. Documents needed include letter of interest, curriculum vitae, research proposals, teaching statements, and a list of contact information for three references.

ABOUT UTEP AND EL PASO: Located on the culturally vibrant U.S.--Mexico border, The University of Texas at El Paso is an emerging national research university with more than 23,000 students. The University's rapidly growing research portfolio in the sciences, engineering, health fields, and other areas brings in more than \$83 million per year, ranking UTEP fourth in federal research expenditures among the public universities in Texas. El Paso is a highly livable, bicultural community of 800,000 people, which offers affordable homes and attractive neighborhoods. El Paso is also repeatedly ranked as the safest large city in the United States.

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

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

Physical Chemistry Search Committee Chair
Department of Chemistry
University of Texas at El Paso
500 West University Avenue
El Paso, TX 79968
mnarayan@utep.edu

Clinton Health Access Initiative (CHAI) is accepting applications for a Senior Associate East Africa Pharmaceutical Manufacture and Supply located in Nairobi, Kenya.

Founded in 2002 by President William J. Clinton, the Clinton Health Access Initiative (CHAI) is a global health organization committed to strengthening integrated health systems around the world and expanding access to care and treatment for HIV/AIDS, malaria and other illnesses. Based on the premise that business oriented strategy can facilitate solutions to global health challenges, CHAI acts as a catalyst to mobilize new resources and optimize the impact of these resources to save lives, via improved organization of commodity markets and more effective local management. By working in association with governments and other NGO partners, CHAI is focused on large-scale impact and, to date, CHAI has secured lower pricing agreements for treatment options in more than 70 countries. In addition, CHAI's teams are working side-by-side with over 30 governments to tackle many of the largest barriers to effective treatment and care.

CHAI is undertaking a series of market shaping initiatives designed to strengthen the East African pharmaceutical industry's competitive position and market share of the health pharmaceutical market, while increasing access to international quality and affordable medicines. This role will involve engaging with senior private sector and government stakeholders across Burundi, Kenya, Rwanda, Tanzania, and Uganda. The ultimate goal is for at least two East African local manufacturers to produce international quality pharmaceuticals at a cost competitive price point, and for these products to be procured by international buyer(s) by year-end 2015. This test case will connect local manufacturers to international buyers, strengthen the long-term viability of industry, and provide a roadmap for other initiatives supporting local industry to drive broader transformation.

The Senior Associate must be able to function independently and flexibly as well as build strong relationships with government officials and partners across the public and private sectors. CHAI places great value on relevant personal qualities: resourcefulness, entrepreneurialism, flexibility, integrity, independence, humility, and a positive work ethic.

This is a challenging though rewarding position that directly impacts the quality and cost of pharmaceutical products in East Africa. Further, it will build local industry and technical capacity for continued advancement in the manufacturing sector. It is an opportunity to work on a unique market transformation, and collaborate closely with partner governments, private sector entities, and international agencies.

Position Overview:

CHAI is seeking a Senior Associate to lead technical and strategic assistance to local pharmaceutical manufacturers and government partners. A major component of the role will entail supporting to local manufacturers as they work to identify and implement cost reduction opportunities in all aspects of the production process. It is expected the Senior Associate will independently manage this work stream. The Senior Associate will also be actively involved in the quality improvement component of the project, coordinating the provision of support to local manufacturers to reach international cGMP (such as WHO PQ). This will involve working with GMP experts to undertake cGMP GAP assessments, assisting local manufacturers cost interventions and developing the business case for high-impact interventions. The Senior Associate will support the implementation of cost/quality interventions ensuring projects run to time and budget. Throughout this project, on a needs basis, the Senior Associate will engage national, regional and international bodies (such as the EAC, and WHO) in relation to this work, and broader adaption of project principles.

Responsibilities:

- Support East African pharmaceutical manufacturers to identify and implement production optimisation opportunities. Work with C-Level counterparts to develop business case for board approval.
- Assist technical experts undertaking cGMP diagnostic assessments of local manufacturers. Accelerate the adoption and implementation of recommendations by local manufacturers.
- Support relevant public/private sector entities within the EAC in undertaking operations focused assessments to improve efficiency and reach performance targets. This may include procurement entities, regulatory authorities, MoH, and private sector entities.
- Manage the development and maintenance of market intelligence database on the pharmaceutical industry in Kenya, including associated quantitative models and forecasts.
- Support evolving team priorities within a non-hierarchical structure.
- Qualifications:
- A Bachelor's Degree in Process/Industrial Chemistry, Pharmacy, Biochemistry, or related field.
- At 3-5 years' experience in a relevant industry with increasing levels of responsibility.
- Ability to work collaboratively and creatively with a wide range of stakeholders to influence change and achieve results.
- Ability to leverage data to create solution orientated analyses for C-Level stakeholders.
- Ability to handle multiple tasks simultaneously, set priorities and work with autonomy.
- Exceptional analytical, research and presentation skills of qualitative and quantitative data

- Excellent interpersonal skills, including the ability to communicate at all levels, and experience managing senior clients/sensitive relationships.
- Willingness to travel to focus countries and other locations with limited advance notice.

Advantages: Preference will be given to candidates with demonstrated experience in the pharmaceutical industry and an MBA or equivalent post-graduate qualification. Content experience, particularly roles supporting production optimisation opportunities will be a distinct advantage. Candidates with pharma industry experience through private equity, management consulting, or similar, will also be given serious consideration, as will be those with Government/Regulatory authorities experience in the pharmaceutical industry.

For more information about CHAI or to submit an application please visit the website <http://www.clintonhealthaccess.org/>

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.