2017 WEEKLY BULLETIN
DEPARTMENT OF CHEMISTRY, NORTHWESTERN UNIVERSITY
EVANSTON, ILLINOIS
March 27, 2017

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

Tuesday March 28th: *Faculty Lunch Seminar: Emily Weiss*
Tech K140
12:00-1:00pm

BIP

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

Arrivals

We did not have any new arrivals

Announcements

2017 Herman Pines Award Announcement

Professor Peter Stair of the Chemistry Department at Northwestern University has been selected as the recipient of 2017 Herman Pines Award. This is based on significant contributions that Peter and co-workers at Northwestern University and Argonne National Lab have made in recent years to advance the fundamental understanding and applications in the field of synthesis and characterization of supported metal/metal oxide catalysis; specifically techniques developed by Peter and his co-workers to stabilize homogenous and supported metal nanoparticle within atomically confined environments of unique structure and composition by Atomic Layer Deposition (ALD) synthesis and his pioneering work in *in situ* and *operando* Raman spectroscopy. This award also recognizes Peter's outstanding leadership and contributions to Catalysis Community throughout his career.

10th Annual ANSER Solar Energy Symposium April 27-28, 2017: The Argonne-Northwestern Solar Energy Research Center (ANSER) and the Institute for Sustainability and Energy at Northwestern (ISEN) are delighted to host the 10th annual ANSER Solar Energy Symposium – "Solar Electricity." As our understanding of the impact of climate change continues to grow, so too does the global trend towards a clean-energy economy. The last two years have seen organic photovoltaics reach efficiencies of 11.5 percent, quantum dot solar cells reach efficiencies of 11.3 percent and perovskite solar cells continue their meteoric rise to efficiencies of 22.1 percent, paving the way for continually decreasing photovoltaic costs. This encouraging march toward a cleaner power sector cannot be ignored, and is built on the foundation of innovative research being carried out at collaborative scientific hubs such as the ANSER Center. The thematic focus of this year's Symposium is "Solar Electricity," and we are honored to host a star-studded lineup of speakers. These photovoltaic leaders will present life-cycle analyses, report the current state-of-the-art, outline challenges ahead, and propose new ideas to pursue in this rapidly growing field of solar photovoltaic research. Please register at http://isen.nu/anser17.

The 34th H.C. Brown Lectures will be held on Friday, April 14, 2017. Among the activities will be a poster session, with poster viewing opportunities throughout the day. We encourage student participants to present their recent works at our poster session and competition. Multiple cash awards will be given for the best posters by students and post-docs.

Poster information (title, authors, and affiliation) must be submitted electronically through the online registration form BEFORE Wednesday, April 5, 2017.

Website and registration: https://www.chem.purdue.edu/hcbrownlectures/.

Opportunities

R&D Lab Chemist with Honeywell

An excellent career opportunity is currently available for a R&D Lab Chemist within UOP's R&D Catalysis Research group located in Des Plaines, IL. This position will be responsible for providing laboratory support to research and development projects.

UOP LLC, 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. UOP is a wholly-owned subsidiary of Honeywell International, Inc. and is part of Honeywell's Specialty Materials strategic business group.

Honeywell Performance Materials and Technologies is a global leader in providing customers with high-performance specialty materials, including fluorine products; specialty films and additives; advanced fibers and composites; intermediates; specialty chemicals; electronic materials and chemicals; and technologies and materials for petroleum refining.

Position responsibilities:
• Prepare experimental plans for catalyst synthesis and testing operations under the assistance of senior staff. Build and provide expertise in areas of catalyst synthesis chemistry and equipment operation
• Execute planned experiments on-schedule
• Organize and maintain electronic and paper copies of information pertaining to the performed experiments including laboratory notebooks, research reports, and other documents
• Provide summaries of results – both verbally and in written form – and discuss these with senior staff and project teams
• Observe and maintain monthly Structured Safety requirements
• Support administrative work pertaining to work goals and achievements
Qualifications
Basic Qualifications:
• A BS degree in chemistry or related discipline together with 2+ years experience working in laboratory or R&D environment is required
Preferred Qualifications:
• Be mechanically inclined and capable of operating and maintaining related laboratory equipment
• Strong multi-tasking skills together with the ability to effectively manage project deliverables
• Strong organizational skills
• Self-motivated and having demonstrated experience working with multiple internal customers and associated time management skills
• Excellent interpersonal communication skills (verbal and written)
• Proficiency with spreadsheet, word processing, graphics and LIMS programs
• Ability to work in a team based environment

• We offer a team oriented environment along with exciting career opportunities and a highly competitive compensation and benefits package.

A link for the description and to apply is at :
http://www.careersathoneywell.com/job/7221864/r-d-lab-chemist-des-plaines-il/

University of Illinois at Chicago, Department of Chemistry invites applications for a non-tenure-track Clinical Assistant Professor position in the general area of organic chemistry effective August, 201 7 pending budgetary approval. The successful candidate is expected to teach undergraduate courses in organic chemistry, including teaching and supervising the organic chemistry laboratory courses, and to provide long- term continuity to service duties important to the departmental teaching mission by developing, revising, and implementing curriculum based on best practices. A Ph.D is required.

Please submit an online application, including the names and email addresses of 3 references, and upload a curriculum vitae, list of publications, and teaching statement at https://jobs.uic.edu/job-board/job-details?jobID=76687 by May 1, 2017.

The University of Illinois at Chicago is an affirmative action/equal opportunity employer, dedicated to the goal of building a culturally diverse pluralistic faculty and staff committed to teaching in a multicultural environment. We strongly encourage applications from women, minorities, individuals with disabilities, and covered veterans. The University of Illinois may conduct background checks on all job candidates upon acceptance of a contingent offer. Background checks will be performed in compliance with the Fair Credit Reporting Act.

Roosevelt University is seeking applicants for the position of Adjunct Lecturer in Chemistry for the Summer 2017 sessions (Session C: May 30 – July 3; Session D: July 5 – August 8). Applicants must have a graduate degree in Chemistry and be willing to teach from among the following courses: General Chemistry (CHEM 201, 202) and Organic Chemistry (CHEM 211, 212) at both the Chicago campus and the Schaumburg campus. The first course in each sequence (CHEM 201, 211) will be in Session C; the second (CHEM 202, 212) in Session D. Send resume and the names, telephone numbers, and e-mail addresses of two references to Prof. Joshua Telser, Assistant Chair, Department of Biological, Chemical and Physical Sciences, Roosevelt University, 430 S. Michigan Ave., Chicago IL 60605. Applications will be considered until the position is filled. Phone: 312-341-3687; Fax: 312-341-4358; mailto:jtelser@roosevelt.edu. *Roosevelt University is an institution dedicated to social justice that serves a diverse population of students.*

Roosevelt University is seeking applicants for the position of Adjunct Lecturer in Chemistry for the Fall 2017 semester (August 28 – December 16). Applicants must have a graduate degree in Chemistry and be willing to teach from among the following courses: General Chemistry (CHEM 201, 202) and Organic Chemistry (CHEM 211, 212) at the Chicago campus and Analytical Chemistry (Quantitative Analysis, CHEM 237) at the Schaumburg campus. Send resume and the names, telephone numbers, and e-mail addresses of two references to Prof. Joshua Telser, Assistant Chair, Department of Biological, Chemical and Physical Sciences, Roosevelt University, 430 S. Michigan Ave., Chicago IL 60605. Applications will be considered until the position is filled. Phone: 312-341-3687; Fax: 312-341-4358; mailto:jtelser@roosevelt.edu. *Roosevelt University is an institution dedicated to social justice that serves a diverse population of students.*

Inaugural Bioorganic Chemistry Gordon Research Seminar June 10-11th The GRS is a two-day seminar precursor to the GRC and will feature work from graduate students and postdoctoral scientists with an emphasis on research at the interface of chemistry and biology. In addition, the GRS and GRC provide a unique setup to maximize interactions and networking opportunities with other conference

attendees. For additional GRS details, updates, and application, visit https://www.grc.org/programs.aspx?id=17413

The Shepherd Color Company is seeking a bachelors-level chemist for its Research and Development team. As a member of that team you'll work in a creative and collaborative atmosphere developing new colored inorganic pigments or other mixed-metal-oxide materials. The Shepherd Color Company is a privately-owned company in Cincinnati, Ohio. Although it's principally a supplier of mixed-metal oxides used as colored pigments, Shepherd Color is also a leader in the manufacture of inorganic materials used for other chemical and physical properties.
Applicants should have a B.S. or B.A. in chemistry or materials science with a particular interest in inorganic materials. The job is a research and development job. Prior research experience is not required, but it is valuable, as it can help establish the applicant's capabilities for research. Most important is that the applicant is excited about inorganic materials research, which involves lab experimentation, scaling-up of synthetic methods, and literature research; and constantly expanding his/her knowledge base. The applicant needs to be intelligent, a good learner, highly motivated, and adept at collaborating with others.

The work atmosphere in the Research and Development group at Shepherd Color is one where the chemists are exposed to a variety of tasks and responsibilities, interact regularly with other departments, and are challenged to advance technology, improve existing products, and develop new products that will ensure the future success of the company. Research Chemists at Shepherd Color are able to handle multiple projects and changing priorities. They enjoy developing new technologies and applying them in new, technically-advanced products and the reward of following the impact of their developments on the marketplace.
To apply, please provide a resume and a cover letter explaining why you believe you are a good fit for the position. Applications can be made by following this link: https://workforcenow.adp.com/jobs/apply/posting.html?client=shep&jobId=183266&lang=en_US&source=CC2 or through the company website at www.shepherdcolor.com .

The Department of BioMolecular Sciences in the School of Pharmacy at The University of Mississippi is seeking qualified applicants for a full time, 12-month, tenure-track position at the rank of Assistant, Associate, or Full Professor. We seek candidates with expertise in the field of medicinal chemistry or the application of organic synthesis to drug discovery who possess a record of distinguished and innovative research (as evidenced by a significant publication record and the potential to secure extramural funding) and a commitment to excellence in education. Applicants applying for the higher ranks should have a nationally recognized research program with recurrent success in securing extramural funding and excellent teaching credentials.

The University of Mississippi is the flagship university for the State of Mississippi. A world-class public research university, the institution has a long history of producing leaders in public service, academics and innovative research. The School of Pharmacy is on the main campus in Oxford, a community of approximately 19,000 residents that has been recognized nationally as one of America's best places to live. *The Chronicle of Higher Education* has named The University of Mississippi as one of the "Great Colleges to Work For." The Department of BioMolecular Sciences has 13 full-time faculty with research emphases in medicinal chemistry, pharmacognosy, pharmacology, and environmental toxicology. The faculty have affiliations with the Research Institute of Pharmaceutical Sciences and collaborative opportunities in the National Center for Natural Products Research. The department has teaching responsibilities in several degree programs, including the Pharm.D (Doctor of Pharmacy) as well as M.S. and Ph.D programs in Pharmaceutical Sciences.

The review of applications will begin immediately and continue until a suitable pool of applicants is established. Applicants must have a Ph.D. degree in Medicinal Chemistry, Chemistry, Organic

Chemistry, or a related field in the pharmaceutical sciences as well as post-doctoral experience. Applicants should provide a cover letter outlining qualifications for the position, a detailed description of research plans, a one-page executive summary of the research plan, a statement of teaching philosophy, a curriculum vitae, and the name and contact information of four references through The University of Mississippi's online employment site at https://jobs.olemiss.edu. For additional information please contact, Prof. David A. Colby, Search Committee Chair, 662-915-1766, dacolby@olemiss.edu.