

2017 WEEKLY BULLETIN
DEPARTMENT OF CHEMISTRY, NORTHWESTERN UNIVERSITY
EVANSTON, ILLINOIS
March 20, 2017

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

BIP

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

Arrivals

Indranil Roy joined the Stoddart Group

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.

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

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:jtels@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:jtels@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=shp&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.

United States Army Research Laboratory In order to stay on the leading edge of science and technology, a laboratory must have a constant influx of new ideas and fresh perspectives. The ARL brings in recent Ph.Ds or Sc.Ds to conduct high impact basic and applied research under the guidance of an ARL advisor through several postdoctoral research programs. The ARL has over 100 postdocs located at facilities in Adelphi, MD; Aberdeen Proving Ground, MD; White Sands, NM; and Orlando, FL.

There are several ARL-wide postdoctoral research programs available to both U.S. citizens and non-U.S. citizens. More information is available on the Program Specifics page.

<https://www.arl.army.mil/www/default.cfm?page=177>

Pacific Northwest National Laboratory is accepting applications for a postdoctoral researcher

Job Description:

A postdoctoral researcher is needed in the Catalysis Science Group for experimental research. The position will be focused on the reduction of CO₂ using catalysts based on inorganic and organometallic complexes. The planned research will involve the design, synthesis, and characterization of new metal complexes, including thermochemical and mechanistic studies, leading to new molecular catalysts in the area of reduction of CO₂ to fuels.

<https://pnnl.jibeapply.com/jobs/306182/Post+Doctorate+RA+++Catalysis+Science?lang=en-US>

Minimum Qualifications

Candidates must have received a PhD within the past five years (60 months) or within the next 8 months from an accredited college or university.

Preferred Qualifications

Experience in synthetic and mechanistic organometallic/inorganic chemistry and handling air-sensitive materials is required. Excellent oral and written communications skills are mandatory. Proficiency with a range of spectroscopic techniques, particularly NMR, is essential. Experience in electrochemical measurements is desirable but not required. Must have the ability to work in a highly collaborative environment

The perfect candidates would have these 3 characteristics:

Expertise in preparing and handling highly air-sensitive complexes

Experience in NMR and electrochemistry

Independent and highly motivated

Preferred Education/Credential:

Ph.D. in organometallic chemistry or inorganic chemistry