

2017 WEEKLY BULLETIN
DEPARTMENT OF CHEMISTRY, NORTHWESTERN UNIVERSITY
EVANSTON, ILLINOIS
March 6, 2017

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: Lin Chen*
Tech K140
12:00 – 1:00pm

BIP

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

Arrivals

Melissa DuMartin joined the Stoddart Group
Tim Gebraad joined the Ratner Group
Micaela Matta joined the Schatz Group
Maggie Meadows joined the Stoddart Group
Hongwei Yu joined the Poepelmeier Group

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=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.

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

Department of Chemistry with the University of Wisconsin – Parkside is accepting application for an Assistant Professor. Responsibilities include teaching undergraduate general chemistry, organic chemistry, and biochemistry courses. This position is expected to establish and maintain an active research program involving undergraduates and to secure external funds to support research. In addition, the position will be expected to contribute in the area of university service.

<https://www.uwp.edu/explore/employment/faculty-assistant-professor-of-chemistry-102116.cfm>

Essential Duties and Responsibilities

80% Teaching:

1. Teaching; advising; supervising internships; enhancing program development; independent studies; and undergraduate research

20% Research and Service:

1. Maintain an active research program involving undergraduate students in area of specialization; publication of research findings; application for intra- and extra- mural funding; general service to the College and University; community service in the area of research

Essential Knowledge and Abilities

- Knowledge and ability to teach undergraduate general chemistry, organic chemistry, and biochemistry courses
- Knowledge and ability to conduct research and scholarly activities
- Responsible for budgets and accounts originating from intramural and extramural funding generated
- Ergonomic requirements: extensive work at computer, laboratory workbench; sitting and standing for long periods of time; lifting and manual dexterity as needed for teaching and research; handling instructional models
- Knowledge and ability to work with a variety of laboratory chemicals, cleaning supplies, and hazardous waste

Qualifications

Education, Experience, Training and/or Certifications

Required

- Ph. D. in chemistry
- Demonstrated promise as an instructor of general chemistry, organic chemistry, and biochemistry
- Demonstrated promise as a scholar, including projects suitable for undergraduates

Preferred

- Post-doctoral experience
- Experience teaching organic chemistry and biochemistry at the college-level beyond serving as an assistant
- Excellent oral and written communication skills
- Experience working with culturally diverse populations