

2013 WEEKLY BULLETIN
DEPARTMENT OF CHEMISTRY, NORTHWESTERN UNIVERSITY
EVANSTON, ILLINOIS
August 26, 2013

Monday, August 26: Dole Lectures in Physical Chemistry
Alex Pines, UC Berkeley
4-5 pm, Tech L211
Some Magnetic Moments

Tuesday, August 27: Special Faculty Meeting
12-1 pm, Tech K140

Dole Lectures in Physical Chemistry
Alex Pines, UC Berkeley
4-5 pm, Tech L211
Toward Miniaturization of NMR and MRI

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

Arrivals

Tyler Zimmerman joined the Kelleher group.

Opportunities

Stanford University is seeking applicants for a tenured faculty position in the area of Theoretical Chemistry. Applicants are expected to have renowned scholarly achievements at the frontier of theoretical chemistry. Candidates must have a record of outstanding success in creative theoretical research as well as a proven commitment to excellence in teaching undergraduate and graduate students. Applications can be submitted electronically to **AcademicJobsOnLine.Org** (<https://academicjobsonline.org/ajo/jobs/2754>), OR, Mailed to: STANFORD UNIVERSITY, Department of Chemistry, Mudd Bldg, Room 121, 333 Campus Dr., Stanford, CA 94305-4401, Attn: Faculty Affairs Officer, and should include:

- Current curriculum vitae & publications list
- Brief statement of research interests
- Teaching Statement

FOR FULL CONSIDERATION, MATERIALS MUST BE RECEIVED BY: September 1, 2013.

Appointment commences on or after: SEPTEMBER 1, 2014.

Stanford University is an equal opportunity employer and is committed to increasing the diversity of its faculty. It welcomes nominations of, and applications from, women and members of minority groups, as well as others who would bring additional dimensions to the university's research and teaching missions

The Johns Hopkins University Applied Physics Laboratory (JHU/APL) is currently seeking a postdoctoral fellow in support of ongoing chemistry research efforts. The successful candidate must have a Ph.D. in inorganic or organic chemistry with extensive synthetic experience. Experience should include air free synthesis, and NMR, fluorescence, FTIR, GC-MS and UV-vis spectroscopy. Large-scale synthetic and process chemistry experience is desirable. The candidate must demonstrate strong oral and written communication skills accompanied by good organizational skills. A candidate must have excellent interpersonal skills and be able to work independently. The applicant selected will be subject to a government security clearance investigation and must meet the requirements for access to classified information. Eligibility requirements include U.S. Citizenship. This is a one-year term position with the possibility of renewal for a second year and the offer of a permanent position. Johns Hopkins University Applied Physics Laboratory is an equal opportunity/affirmative

action employer that complies with Title IX of the Education Amendments Acts of 1972, as well as other applicable laws, and values diversity in its workforce.

To apply for the position, please visit <http://www.jhuapl.edu/employment/default.asp>, Click the *Experienced Professionals* tab and under *Job Number* enter 04563.

2014 Alfred P. Sloan Foundation Research Fellowships

For more information, visit: <http://www.sloan.org/sloan-research-fellowships/>

Deadline to apply is September 16.

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: August; Opens June 1; Closes August 1

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

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

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

Tennessee Tech Department of Chemistry has an open position for a full-time temporary Biochemist. We have planned searches over the next several years for many tenure-track positions, and I am hoping to identify candidates for the temporary positions that would be excellent candidates for the tenure-track positions. Candidates will have the opportunity to further develop independent research during the term of their employment as space and funds allow. It should be noted that we have excellent NMR and Mass Spect instrumentation in addition to the normal suite of instrumentation found in any research active chemistry department, including the ability to carry out “omics” research. We are a Doctoral/STEM university also referred to as a Masters-Large University as designated by the Carnegie system. Our chemistry department runs a successful Masters Degree program, but we also participate in an interdisciplinary Ph.D. program. Our PhD students represent almost all areas of Environmental Chemistry (Analytical, Biochemical, Inorganic, Organic, Physical). We currently have 20 faculty. Our typical graduation rates include the following: BS Chem: 30-40 graduates/year MS Chem: 5-8 graduates/year PhD: 2-4 graduates/year. We are located in Cookeville, TN, about an hour outside Nashville, in the foothills of the Cumberland Mountains on the Cumberland Plateau. While the pay for the temporary position is \$43K/9-month contract, permanent positions are generally offered at approximately the CUPA rate for beginning assistant professors (currently ~\$59K/9-months). The cost of living is quite low in this area which should make this opportunity attractive for many individuals/families. The chemistry department website is <http://www.tntech.edu/chemistry> and our PhD program website is <http://www.tntech.edu/evs>. Candidates should feel free to contact Jeff Boles at JBoles@tntech.edu for further information should they desire to do so.

Argonne Assistant Chemist Job Opening

Please see this link for job posting and application instructions:

<http://web.anl.gov/jobsearch/detail.jsp?userreqid=320713+CSE&lsBrowse=THISWEEK>

Worcester Polytechnic Institute (WPI) invites applications and nominations of candidates for the Richard T. Whitcomb Professorship in Biochemistry. The appointment will be made in the Department of Chemistry and Biochemistry (CBC) in the Arts and Sciences at WPI. The Department offers undergraduate and graduate (MS and PhD) degrees in Chemistry and Biochemistry. CBC is integral to WPI's ongoing major life science research initiative and five new faculty at the assistant, associate and full professor level were recently hired. This Professorship offers a generous start-up package, continued financial support for research and substantial laboratory space in the recently built, state-of-the-art Life Sciences research facility. The holder of the Whitcomb chair will be a dynamic scholar and teacher, with a strong track record of creativity and an internationally highly visible research program, studying biochemical systems at the molecular level. The successful candidate will have a strong record of continued funding, high impact publications, and a solid presence in the scientific community.

Interested candidates should submit a single pdf-formatted file including a cover letter, a curriculum vitae, statement of research and teaching interests, achievements and plans, and a list of three references to WhitcombSearchCBC@wpi.edu. Inquiries can be addressed to Dr. José Argüello (arguello@wpi.edu) Whitcomb Search Committee, Department of Chemistry and Biochemistry, Worcester Polytechnic Institute, 100 Institute Road, Worcester, MA 01609. Review of applications will commence immediately and continue until the position is filled.