

YALE UNIVERSITY

DEPARTMENT OF CHEMISTRY

THE CHEMISTRY CHRONICLE

January 29, 2016

ANNOUNCEMENTS

For further information on any of the items included here, or if you would like to contribute information to the next bulletin, please go to chemistry.adminoffices@yale.edu.

Congratulations to Professor Robert Crabtree who reached an h-index of 100 and will be awarded an honorary Doctor of Science degree at the University of Bath in September 2016. <http://www.bath.ac.uk/chemistry/news/meeting-of-inorganic-chemists-recently-appointed.html>.

Chemistry faculty is invited to nominate the department's best PhD theses of the past year for a **Springer Thesis Award**. The award entails a monetary prize and publication in their collection of outstanding dissertations, [Springer Theses](#). Nominations due by the end of February 2016. Questions should be directed to elizabeth.hawkins@springer.com.

The Marion Milligan Mason Award for Women in the Chemical Sciences (<http://www.aas.org/masonaward>) for women who are beginning their academic research careers. Applicants must have a full-time career-track appointment. Graduate students and postdoctoral fellows are not eligible. Proposals are due Tuesday, March 1, 2016.

The **Office for Diversity Inclusion and Community Partnership at Harvard Medical School** and the Biomedical Science Careers Program invite all postdocs (research and clinical) to attend the **Career Development Series for Postdoctoral Fellows**, Biomedical Science Careers Student Conference and New England Science Symposium on April 1-3 in Boston, MA. For further information, contact [Rodolfo Ramos@hms.harvard.edu](mailto:Rodolfo_Ramos@hms.harvard.edu). Application deadline is February 3, 2016.

Save the Date:

• **Chemistry's Visiting Days for Admitted Graduate Students:** Thursday, March 10th and Friday, 11th, 2016. Secondary visiting day is planned for Friday, April 1, 2016.

SEMINARS

<http://www.chem.yale.edu/graduate/seminars.html>

Yale Center for Teaching and Learning 2016 Science Education Programs (<http://ctl.yale.edu/teaching/science-instructor-resources/science-education-seminar-journal-club-series>). Monthly seminars for students, postdocs and faculty interested in learning more about the latest research and initiatives in science education.

Monday, February 1. Lecture in Inorganic Chemistry: Marrion Emmert, Worcester Polytechnic Institute "Breaking Strong Bonds and Recovering Rare Earths: Adventures in Sustainable Chemistry" 4:30 p.m. Sterling Chemistry Lab, room 111.

Tuesday, February 2. Lecture in Biophysical Chemistry: Stefan Stoll, University of Washington "Mapping Protein Conformational Changes using EPR Spectroscopy" 4:00 p.m. Sterling Chemistry Lab, room 160.

Thursday, February 4. Physical Chemistry Club: Marcus Tuttle, Zilm lab "Solid-State NMR Structure of a Full-Length α -Synuclein Fibril" 4:30 p.m. Sterling Chemistry Lab, room 111.

Friday, February 5. Biophysics Research in Progress Talks: Danielle Williams, Regan Lab "Building Protein-Based Nanomaterials using SpyTag/SpyCatcher Technology" & Anne Carroll, Zilm Lab "Fast Frequency Swept EPR for Optimizing Microwave Efficiency in DNP NMR of Small Samples. 11:45 a.m. Lunch & 12:00 p.m. Talks, BASS, room 305.

Monday, February 8. Lecture in Inorganic Chemistry: Wenyu Huang, Iowa State University “Meeting the Challenges of Heterogeneous Catalysis through the Atomic Level Control of Catalysts” 4:30 p.m. Sterling Chemistry Lab, room 111.

Tuesday, February 9. Lecture in Physical Chemistry: Gordana Dukovic, University of Colorado “Photophysics and Photochemistry of Nanoscale Semiconductors and Implications for Solar Fuel Generation” 4:00 p.m. Sterling Chemistry Lab, room 111.

Tuesday, February 16. Physical Chemistry Club: Dequan Xiao, University of New Haven “Catalysts for Biomass Conversion” 4:30 p.m. Sterling Chemistry Lab, room 111.

SUMMER 2016

TSRC Summer School on Fundamental Science Alternative Energy (June 21-25) in Telluride, CO. Graduate students and postdocs interested in renewable energy research may apply to victor.batista@yale.edu by March 1st with subject line “Telluride Summer School in Alternative Energy Summer 2016”. Statement of interest describing current and future research plans and a note of support from mentor/supervisor should be included. All applications will be reviewed by April 1st. 25-30 participants will be selected. <https://www.telluridescience.org/meetings/workshop-details?wid=544>
<http://us2.campaign-archive1.com/?u=7d0a1c903da55480f58603390&id=2a581796ea&e=e6888bbb56>

The MIT Materials Processing Center and Center for Materials Science and Engineering

Sponsor a summer research internship program for rising junior and senior undergraduates in science and engineering fields. This program brings students to MIT to learn and perform research in labs in a broad selection of materials science subfields. Stipend and travel expenses are provided. <http://mpc-web.mit.edu/>.

2016 CENTC (Center for Enabling New Technologies through Catalysis) Undergraduate Summer Research Program for undergraduate students with a strong interest in chemistry or chemical engineering. CENTC research is aimed at developing new catalytic processes for efficient, environmentally responsible production of chemicals and fuels from common feedstocks. Participants in the 10-week program receive a \$5,000 stipend while conducting collaborative research in catalysis at any one of the CENTC host labs located across the U.S. and Canada. Further information can be found at http://depts.washington.edu/centc/education_ur.php.

The **Center for Chemical Evolution (CCE)** is currently recruiting undergraduates at all levels interested in chemical sciences for their 10-week, paid summer **Research Experience for Undergraduates (REU) program**. The application deadline is February 15, 2016. Questions may be directed to Christopher.parsons@chemistry.gatech.edu.
<http://centerforchemicalrevolution.com/summer-undergraduate-research-program#overlay-context=user/>

REU Summer 2016 Research Experience for Undergraduates: The Princeton Institute for the Science and Technology of Materials (PRISM) and the National Science Foundation (NSF) supported Princeton Center for Complex Materials (PCCM) are sponsoring research opportunities for undergraduate students in Materials Science and Engineering. To apply, visit: <http://www.princeton.edu/pccmeducation/>. Application deadline is February 15, 2016.

ACS Nuclear & Radiochemistry Undergraduate Summer Schools: June 13, 2016-July 23, 2016. Two intensive six-week summer schools at San Jose State University & Brookhaven National Laboratory. Fellowships include a \$4,000 stipend, tuition and fees, transportation, housing, books and lab supplies. Transferable college credit awarded. Applications must be received no later than February 1, 2016. For further information: <https://chemistry.missouri.edu/nucsummer>.

New York University Materials Research Science and Engineering Center (MRSEC) **Research Experiences for Undergraduates (REU) fellowships** are awarded to undergraduates from four-year colleges and universities for participation in a ten-week summer program designed to provide unique research experiences, professional development, and increased awareness of materials science and engineering. June 5 – August 13, 2016. Further information and application located at: <http://nyumrsec.org/reu-application>. Applications due February 28, 2016.

Yale Pathways to Science Summer Scholars (www.instagram.com/yalescholar) has openings for undergraduate and graduate students to work as Teaching Assistants and Residential Advisors for the two-week Scholars Program. Apply on Yale Student Employment: www.yalestudentjobs.org. For questions: maria.parente@yale.edu.

Yale Sustainable Food Program (<http://sustainablefood.yale.edu/>): Paid internships are available to graduate and undergraduate students, both during the school year and over the summer. Also accepting applications for the Lazarus Fellowship, a two-year opportunity for a recent Yale College graduate. Further information: <http://sustainablefood.yale.edu/get-involved/job-openings>.

A summer-long internship at the **Yale Farm** offers six Yale undergraduates of all experience levels the opportunity to learn about and gain hands-on experience in sustainable agriculture, food production, and local food systems. For more information: <http://sustainablefood.yale.edu/farm/lazarus-summer-internship>

UNDERGRADUATE NEWS

Saturday, April 30. 2016 American Chemical Society (New Haven Section) Undergraduate Research Symposium: For chemistry undergraduate students from universities and colleges in the New Haven area to present the results of research projects on which they have been engaged. Further details: <http://newhaven.sites.acs.org/undergraduatesymposium.htm>.

SCHOLARSHIPS/FELLOWSHIPS

<http://gsas.yale.edu/funding-aid/fellowships/gsas-other-fellowships>

Graduate students are eligible for a Conference Travel Fellowship of up to \$1000 towards travel/registration to a conference. Details at <http://gsa.yale.edu/conference-travel-fellowship>.

The Connecticut NASA Space Grant Consortium is accepting applications for grants and fellowships. Undergraduates, graduate students and faculty conducting NASA-related research are encouraged to apply. The deadline is Friday, February 5th at 2:00 p.m. For further information and to submit application, go to: <http://ctspacegrant.org>.

NRC Research Associateship Programs: Applications sought for postdoctoral, senior, and graduate fellowship awards. Further information can be found at: www.nationalacademies.org/rap.

The University of Hong Kong (HKU) has fellowships and scholarships for outstanding students from universities all over the world who would like to pursue full-time PhD studies at HKU. For details, visit www.rgc.edu.hk/hkphd.

The L'Oreal-UNESCO For Women in Science Fellowship Program (www.lorealusa.com/forwomeninscience) is seeking exceptional female scientists in the United States looking to advance their research and serve as role models for the next generation of girls in STEM. Applicants must be current postdoctoral associates or have begun their postdoctoral position by December 31, 2015. Applications due February 5, 2016. For additional information: rpacifico@us.loreal.com.

The **National Academies of Sciences, Engineering and Medicine** sponsors a number of awards for graduate, postdoctoral and senior researchers. These awards provide the opportunity for recipients to do independent research in some of the best-equipped and staffed laboratories in the U.S. Details and online application can be found at www.nationalacademies.org/rap.

The National Academies of Sciences, Engineering, and Medicine is accepting applications for the 2016 Ford Foundation Fellowships Programs for Achieving Excellence in College and University Teaching. Full eligibility information and online applications are available at: <http://nationalacademies.org/ford>.

POST-DOCTORAL OPPORTUNITIES

Postdoctoral Fellow Positions at **Georgia Tech** Center for Chemical Evolution (CCE), a Phase II NSF-NASA Center for Chemical Innovations: 1) Organic/Analytical Chemistry w/Professors Charles L. Liotta (Georgia Tech) and Ram Krishnamurthy (Scripps Research Institute). The CCE research projects are focused on understanding the emergence of functional biopolymers from plausible prebiotic precursors. To apply, email cover letter describing your research, a CV, and list of 3 references to Charles.liotta@carnegie.gatech.edu. 2) Professors Nga Lee (Sally) Ng and Charles Liotta,

Spring 2016: Position will focus on the origin of lipids with an emphasis on the role of particle-phase chemistry in atmospheric aerosols. To apply, email cover letter describing research interests, a CV, and list of 3 references to ng@chbe.gatech.edu.

Merck's Postdoctoral Research Fellow Program was designed to provide industrial postdoctoral researchers with an academic focus in a commercial environment. Visit www.merck.com/research/fellow/home.html.

Dr. Vince Carroll runs the medical chemistry group of a small company called **Molecular NeuroImaging** (<http://www.mnimaging.com>), located in New Haven. They are currently expanding rapidly and have two open positions for post-docs in his group. Interested individuals should contact Dr. Carroll (vc Carroll@mnimaging.com).

Dr. T. Keith Hollis at **Mississippi State University** is seeking two postdoctoral fellows to work with organometallic synthesis and applications to catalysis related to energy topics. Interested candidates should send a cover letter, CV with complete publication list, and arrange to have three letters of recommendation forwarded by email. All materials may be sent to khollis@chemistry.msstate.edu.

JOB OPPORTUNITIES

Merck has positions available in Process Chemistry in Rahway, NJ and Discovery Chemistry in Boston. Apply online at www.merck.com/careers and send CVs and research summaries to david.thaisrivongs@merck.com.

The Department of Chemistry and Biochemistry at **Washington and Lee University** has an opening for a full-time Visiting Assistant Professor to teach Organic Chemistry and the associated lab. The one-year position will begin in August 2016 and is renewable for a second year upon satisfactory performance. CV, letter of application, 1-page statement of teaching philosophy, unofficial graduate and undergraduate transcripts and 3 letters of reference should be sent to Lisa Alty (Chemistry@wlu.edu).

Bell Laboratories, Inc. is seeking a Chemistry Manager. The Ph.D. chemist would help in experiment setup and design, route optimization, analytical chemistry, and involves benchwork. Questions may be directed to Dr. Troy Ryba, Technical Director ([TRYba@belllabs.com](mailto:TRyba@belllabs.com)). Interested candidates should forward resume to Michelle Bailey, Director of HR (m Bailey@belllabs.com).

The West Chester University of Pennsylvania Department of Chemistry seeks an Inorganic Chemist at the tenure-track Assistant Professor level beginning Fall of 2016. http://www.wcupa.edu/academics/sch_cas.che/ For questions, contact Michael Moran, Professor of Chemistry, at search-inorgchem@wcupa.edu.

Incyte Corporation (<http://www.incyte.com/>) has opening in medicinal chemistry. Minimum requirements: PhD in organic chemistry & ability to begin working in next few months. If interested, send CV and research summary to llu@incyte.com.

Bridgestone Americas, Inc. has a job opening at their Akron, OH research center for a synthetic chemist with a Ph.D. in Organic, Inorganic or Polymer Chemistry. Bridgestone makes tires, rubber, fibers, etc. Further information can be found at: https://urldefense.proofpoint.com/v2/url?u=http-3A_bebriidgestone.com_career-2Ddetail_oh-2Dakron_synthesis-2Dchemist-2Dscientist-2Diii-2Dprofessional-2Da_J3G0DX62J9ZL98C889H_&d=AwIFAg&c=-dg2m7zWuuDZ0MUcV7Sdqw&r=ibFjlrWr1tw_0h6dC9pWZuUbSIOCibRITvhkhZaO34w&m=YOj6Cto6czz11pVORZz_IWgaVoy2qd1HGbf923VS9lw&s=tTwBI9CZe4jgjhBVIKMDtTKzhGJs4rjKc7C7a_P2AE&e

Wolfe Laboratories, Inc. announces its quarterly job postings at <http://www.wolfelabs.com/about-wolfe/careers.asp>. Interested candidates are requested to email their resume and cover letter to: steve.pangione@wolfelabs.com.

Southern Teachers Agency (STA) has openings for K-12 Science Teachers for the 2016-17 school year and several mid-year positions. Further information can be found at <http://www.southernteachers.com/>.

AcademicKeys.com for Sciences: Job postings for academic positions in chemistry. Visit www.AcademicKeys.com to search thousands of faculty, administrative and postdoctoral positions.

Travel and Entertainment Policies:

Out of Pocket Reimbursements:

- A reimbursement submitted between 120 and 366 days after the expense is incurred may only be reimbursed as taxable income. Gross-up for taxes incurred will not be allowed.
- No reimbursement submitted more than 366 days after the date the expense is incurred will be eligible for reimbursement.

Business Meals:

- Require itemized detailed receipt for all Pcard charges and reimbursements.

Visa Processing:

OISS is responsible for signing the DS-2019 form. The PI is not allowed to sign this form and does not have authorization to do so. There is a new signature requirement, but it does not apply to the DS-2019 form. The new requirement only applies to a few people at Yale. If the person holds the title "Visiting Student in Research" and the DS-2019 form shows "Student Intern" in section 4, then the new information applies, but not to the DS-2019 form. Student interns will have an additional Immigration document, a DS-7002 form. OISS issues the form and signs it. The new requirement is that the PI must sign the DS-7002 form before it is sent to the Student Intern as he/she will need the original OISS and original PI signature on this form before using it to apply for the visa.