

YALE UNIVERSITY

DEPARTMENT OF CHEMISTRY

THE CHEMISTRY CHRONICLE

January 8, 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.

Yale Chemistry graduate student, Stafford Sheehan, was recently named one of Forbes "30 Under 30" in the Energy sector: <http://www.forbes.com/30-under-30-2016/energy/>. He is president and a co-founder (along with Aaron Bloomfield and Paul Anastas) of Catalytic Innovations, LLC (<http://cat.aly.st/>).

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.

Chemistry's New Year Luncheon for faculty, staff and students is scheduled for Wednesday, January 13th from 12-3 pm in the SCL 1st floor lobby.

Discover the Beauty of Science: Exhibit at Yale Medical Library. Scientists may not consider themselves artists; however, there are times when science and research experiments lead to incredibly beautiful visual results. This exhibit showcases images captured by Yale biomedical researchers. Harvey Cushing/John Hay Whitney Medical Library, 333 Cedar Street. Thru January 10, 2016.

2016 Carl Zimmer Science Writing Workshop (<http://eeb.yale.edu/carl-zimmer>) will introduce science graduate students to writing about science for a broad, non-scientist audience. Monday, January 25th & Monday, February 1st 2:00-4:00 p.m. in room 202 of Osborn Memorial Laboratory.

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>

Monday, January 11. P-Chem Club: Jens Neu from Prof. Dr. Marco Rahm's group, University of Kaiserslautern, Germany "Towards Adaptive Metamaterials for the Terahertz Range" 4:30 p.m. Sterling Chemistry Lab, room 111.

Wednesday, January 13. Energy Sciences Institute Talks at West Campus: Kathy Ayers, Vice President, Research & Development, Proton On-Site, "The Sciences of Electrolysis at Large Scale: Materials and Manufacturing Challenges" 3:00 p.m. Energy Sciences Center II Conference Room, 810 West Campus Drive.

Tuesday, January 19. Lecture in Biophysical Chemistry: Nate Traaseth, New York University "Structural and Dynamic Studies of the Multidrug Efflux Pump EmrE" 4:00 p.m. Sterling Chemistry Lab, room 160.

SYMPOSIA

April 20-22, 2016. Milliken & Company invites chemistry graduate students to apply for an invitation to present at the **2016 Milliken Graduate Research Symposium** in Spartanburg, SC. The symposium provides the opportunity to interact with leading industrial researchers in their working environment. Applicants should be planning to defend after December 2016. Application deadline is January 22, 2016. Details can be found at: [website](#).

May 9 and 10. Genentech, Inc. (www.gene.com) is accepting applications for its inaugural Graduate Symposium in Chemical Research which recognizes promising young scientists while increasing awareness of career opportunities in pharmaceutical research. Interested 4th year graduate students are encouraged to submit a CV and short research summary to: grad_symposium-d@gene.com Applications must be received by December 31, 2015.

UNDERGRADUATE NEWS

The Yale Young Global Scholars Program has paid summer job openings. Applications are due January 13, 2016. Further information can be found at: <http://globalscholars.yale.edu/join-us-1>

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>.

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.

Merck 2016 Chemistry Internship Program: Provides undergraduates with the opportunity to work on meaningful assignments and gain real world experiences. Summer internships and co-ops available beginning June 2016. Apply at www.merck.com/careers by January 19, 2016.

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://centerforchemicalevolution.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>.

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>.

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.

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.

Society in Science: The Branco Weiss Fellowship supports postdoctoral researchers after their Ph.D. and before their first faculty appointment, giving them the freedom to work on whatever topic they choose anywhere in the world, for up to five years. Deadline for applications is January 15, 2015. Further information can be found at: society-in-science@ethz.ch.

The L’Oreal-UNESCO’s 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 begin their postdoctoral position by December 31, 2015. Applications due February 5, 2016. For additional information: rpacifico@us.loreal.com.

2016 Reaxys Ph.D. Prize (<http://inspiringchemistry.reaxys.com/phdprize>) for those studying for or having recently received their Ph.D. Email questions to prize@reaxys.ch. Submissions opened on December 7, 2015.

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.

Spring Data Science Fellowship: **The Data Incubator** is an intensive 8-week fellowship that prepares masters, PhDs, and postdocs in STEM + social science fields seeking industry careers as data scientists. Due to its success and increasing demand, they are launching another round. Further information can be found at: <https://www.thedataincubator.com/#apply?ref=wa2FyZW4uc2FtcGFyYUB5YWxlLmVkdQ==>

The **Chateaubriand Fellowship** is a grant offered by the Embassy of France in the United States. It supports outstanding Ph.D. students from American universities who wish to conduct research in France for a period ranging from 4 to 9 months. Call for applications 2016-2017 is now open: <http://chateaubriand-fellowship.org>. Complete applications must be submitted by January 20, 2016.

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.

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

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

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>

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.

The Department of Chemistry at **Clemson University** has a tenure-track faculty opening in materials chemistry. Applicants from all areas of materials chemistry are invited though special consideration will be given to applicants applying state-of-the-art computational and/or big data methods to problems in materials chemistry. Application materials should be sent to sharons@clemson.edu. Review of applications will begin November 20, 2015 and continue until the position is filled. The expected start date is August 2016.

Applications are invited for tenure-track positions in the Chemistry Department at the **University of Connecticut** to begin in Fall 2016. All areas of chemistry will be considered. To apply, please visit the University's *Husky Hire* online application system at: <https://academicjobsonline.org/ajo/jobs/5907>.

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.