

YALE UNIVERSITY

DEPARTMENT OF CHEMISTRY

THE CHEMISTRY CHRONICLE

November 25, 2015

ANNOUNCEMENTS

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

James Mayer has been appointed as the **Leon I. and Helen Dickson Ross Professor of Chemistry**. Congratulations Jim!

Congratulations to graduate student **Stafford Sheehan** and postdoctoral associate **Aaron Bloomfield** who are silver medal winners in the **2015 Collegiate Inventors Competition**. The Catalytic Innovations team (cat.aly.st), a spin-off company from the Chemistry Department and Energy Sciences Institute, was awarded the [Silver Medal in the Collegiate Inventor's Competition](#) at the National Inventors Hall of Fame in Washington, D.C. for their work on [surface-bound iridium compounds](#).

William Jorgensen has been awarded the **2015 Tetrahedron Prize for Creativity in Bioorganic & Medicinal Chemistry**. Details can be found at: <http://www.journals.elsevier.com/tetrahedron-prize-2015-announced/>.

Chemistry's annual Holiday Luncheon 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.

NSF Research Traineeship Program <http://www.nsf.gov/pubs/2016/nsf16503/nsf16503.htm>. To encourage the development of bold, new, potentially transformative, and scalable models for STEM training at the master's and doctoral level to ensure that graduate students develop the skills, knowledge, and competencies needed to pursue a range of STEM careers – research and research-related. Program requirements and internal competition procedures can be found at: <http://grants.yale.edu/sites/default/files/files/funding/NSF-NRT-2016.pdf>. Internal Deadline: November 30, 2015.

There are several funds administered by the Provost's Office that provide opportunities to bring distinguished visitors to the University: the **Flint Visitors Fund**, **Sigma Xi Distinguished Visitors Fund** and the **Silliman Lectureship**. Funding is available for the 2015-2016 academic year, and applications for support via any of these opportunities can be made by email to Lisa D'Angelo at lisa.bertetto.dangelo@yale.edu).

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.

Opportunities for students planning to apply to Ph.D. programs in the biomedical sciences: The **Initiative to Maximize Student Development (IMSD) program at Washington University in St. Louis** is designed to provide a community for underrepresented students who enter one of their twelve Ph.D. programs in the Division of Biology and Biomedical Science. Further information can be found at: dbbs.wustl.edu/imsd.

The **International Conference on Environmental Science and Technology 2016** sponsored by the American Academy of Sciences will be held on June 6-10, 2016 in Houston, Texas. The conference will provide a multidisciplinary platform for environmental scientists, engineers, management professionals and government regulators to discuss the latest developments in environmental research and applications. Further information can be found at <http://www.AASci.org/conference/env/2016/index.html>.

The **German Academic Exchange Service (DAAD)** will offer three internship programs for summer 2016: RISE (Research Internships in Science and Engineering) Germany, RISE professional and RISE worldwide (www.daad.de/rise-weltweit/en). To learn more about RISE professional, visit: www.daad.de/rise-pro/en or email: rise-pro@daad.de. Information on RISE Germany can be found at: www.daad.de/rise/en or email: rise@daad.de

The Fourth International Organic Chemistry Competition (OC4) will be held on May 20, 2016 in Beirut, Lebanon and is organized by the American University of Beirut (AUB). The competition is open to all undergraduate students who have completed Organic I and Organic II courses. Teams of two can register for free at: <http://bit.ly/InternationalOC4>. Complementary lodging for two nights (May 19&20) at Lancaster Plaza Hotel will be offered for the 1st 25 international teams that register. For more info, contact Prof. Bilal Kaafarani at: bilal.kaafarani@aub.edu.lb AUB's website: www.aub.edu.lb/oc

The ACS Women Chemists Committee (WCC) invites applications for the new WCC/Merck Research Award.

Up to eight women will be selected to present their research at an awards symposium held during the 2016 Fall ACS national meeting. Awardees will receive a \$1,500, present their research and be recognized at the Awards Symposium Luncheon and the WCC Luncheon. Eligibility: 3rd and 4th year female graduate students with a research focus in one or more of the following areas: Organic, Medicinal, Analytical, Chemical Biology, Computational or Structural chemistry and related disciplines of focus. Open to U.S. citizens or students attending a graduate program in the U.S. Deadline is December 1, 2015. Apply online or request a hard copy from diversity@acs.org.

Graduate students: please recall that you are eligible for a Conference Travel Fellowship, where you receive up to \$1000 toward travel/registration to a conference! Details at <http://gsa.yale.edu/conference-travel-fellowship>.

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>

Wednesday, December 2. Energy Sciences Institute Talks at West Campus: "Two Approaches to Achieve Visible Light Upconversion for Environmental Application" Jaehong Kim, Yale University. Energy Sciences Center II Conference Room, 3:00 pm.

Friday, December 4. Special Solar Group Seminar: "Site-Specific Colloidal Synthesis" Hongyu Chen, Nanyang Technological University (Singapore). Room 123, Chemical Research Building, 3:15 pm.

Tuesday, December 8. Lecture in Chemical Biology and Biophysical Chemistry: "Human eIF3, the Mediator of Translation" Jamie Cate, University of California, Berkeley. Room 160, Sterling Chemistry Laboratory, 4:00 pm.

Thursday, December 10. The Grant Training Center is conducting a National Science Foundation Training Seminar at Yale: A comprehensive workshop for those wishing to submit winning research proposals to the NSF. Details at:

https://granttrainingcenter.com/workshop_description/1030. \$375 registration fee. Room 156, 300 George Street Building, 8:30 am – 4:30 pm.

Yale Climate & Energy Institute (<http://climate.yale.edu/>) Interdisciplinary Speakers Series on Climate and Energy: Five pairs of talks on climate and energy featuring YCEI postdoctoral fellows, their mentors and colleagues. All talks in Kline Geology Lab, 210 Whitney Avenue.

SYMPOSIA

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.

Saturday, April 23. 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 will follow and registration materials, including abstract forms, etc. will be available in February/March. Southern Connecticut State University, New Haven.

SCHOLARSHIPS/FELLOWSHIPS

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

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 (<http://www.fwis.fr/en/home>) is seeking five 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. Applications due February 5, 2016.

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 open 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.

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.

Ph.D. Fellowships at the **University of Strasbourg** in France. Deadline to apply is December 15, 2015. For further information, go to: www.icfrc.fr.

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.

Smithsonian Institution Fellowship Program: Through the Smithsonian’s flagship fellowship program, graduate, pre-doctoral, and post-doctoral students – as well as conservators and senior scholars – have the opportunity to delve into independent research and study across an incredible range of disciplines at the largest museum in the world. For more information, go to: <http://smithsonianofi.com> or call the Smithsonian Office of Fellowships and Internships at 202-633-7070. Application deadline is December 1, 2015. <http://si.edu/ofj>.

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>.

The **SMART Scholarship for Service Program** is an opportunity for students pursuing a Science, Technology, Engineering, and Mathematics (STEM) focused degree to receive a scholarship and employment after graduation as a civilian scientist or engineer at a Department of Defense facility. Scholarships awarded include a stipend up to \$38,000 a year, full tuition, health insurance contribution, and miscellaneous supplies allowance. For more information, please visit <http://smart.asee.org>.

Winter Data Science Fellowship: **The Data Incubator** is an intensive 7-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/?ref=v646221>

POST-DOCTORAL OPPORTUNITIES

There are three positions available for postdoctoral 'teacher-scholars' at **UCLA**.

<http://www.chemistry.ucla.edu/featured/2015-08/postdoctoral-fellowship-opportunity>

Jeff Gildersleeve is recruiting for his lab at the **NCI** in Frederick, MD with interest in molecular recognition of carbohydrates and design and synthesis of multivalent glycoconjugates. Candidates should have no more than one year of post-doctoral experience. Interested applicants should send their curriculum vitae, a brief description of their research interests and career goals, and contact information for two references to gildersj@mail.nih.gov. Include an estimated start date.

The new **YIBS Yale Analytical and Stable Isotope Center (YASIC)** is awarding matching funds for student and post-doctoral research. Up to \$750 dollars in matching funds for analysis using any instruments currently housed in the center is available (<http://earth.yale.edu/yasic-instruments>). To apply please email a one page proposal summarizing your project to Brad Erkkila (brad.erkkila@yale.edu) and Pete Raymond (peter.raymond@yale.edu).

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 (vcarroll@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.

Boston University's Center for Molecular Discovery (<http://cmd.bu.edu>) is an NIH-funded effort established with the goal of enabling translational chemical and biological. Candidates with strong backgrounds in synthetic organic chemistry are sought for postdoctoral positions. Experience in multi-step synthesis and characterization of complex molecules is required. Candidates with experience integrating computational techniques with synthetic organic chemistry are also strongly encouraged to apply. Interested candidates should send a CV and the names of three references by email to Lisa Holik (bucmd@bu.edu).

JOB OPPORTUNITIES

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 Biological Sciences at **Purdue University** (www.bio.purdue.edu) is recruiting the following:

- A Department Head and Professor in Biological Sciences. Inquiries should be directed to search@biolpurdue.edu. Review of applications will begin December 14, 2015 and will continue until the position is filled.
- Candidates for a faculty position in neurobiology at the Assistant Professor level. Inquiries should be directed to NeuroSearch@bio.purdue.edu.
- Candidates for an academic year, tenure-track position in the area of Immunology at the level of Assistant Professor. Inquiries should be directed to ImmunoSearch@bio.purdue.edu.

Nazareth College is seeking candidates for Assistant Professor of Chemistry and Biochemistry, Tenure Track. Further information can be found at: <https://www2.naz.edu/dept/chemistry>. Applications should be submitted electronically in a single pdf file to chemsearch@naz.edu. Review of completed applications will begin on December 4 and continue until the position is filled.

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.

Southern Teachers Agency helps private and independent schools hire K-12 science teachers. A degree in education is not necessarily required. More information is available at <http://www.southernteachers.com/>.

Virginia Commonwealth University invites applications for a tenure-eligible Assistant Professor position in the broad area of Analytical Chemistry to begin in fall 2016. The advertisement is posted in the electronic version of C&EN and in <http://academicjobs.org/>. For questions, contact Professor Sarah Rutan (srutan@vcu.edu), chair of the search committee.

Pfizer has an opening for an entry-level Ph.D. position in their Process Chemistry Group in Groton, CT. They would like to have it filled by the end of the year but the start date is negotiable. To view and apply for this job, go to www.pfizer.com/careers and search for the job opening title "Senior Scientist – Process Chemistry" as key words or by using the job opening ID 1021029.

The Department of Chemistry and Biochemistry at the **University of Montana – Missoula** (<http://hsweb.hs.umt.edu/chemistry/default.php>) invites applications for a tenure-track faculty position in Environmental Chemistry at the Assistant Professor level to begin August 2016. Screening of applications will begin on November 15, 2015 and will continue until the position is filled. Inquiries and letters of recommendation should be directed to the Department at: chemistry@umontana.edu. Applicants are required to submit all application materials, including a letter of intent, full CV, a summary of research plans, and a statement of teaching philosophy to: Environmental Chemistry Faculty Position.

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>.

The Department of Chemistry at **Princeton University** is seeking a tenure-track Assistant Professor in all areas of chemistry. The job description and application can be found at <https://chemistry.princeton.edu/faculty-academic-jobs>.

Macrolide Pharmaceuticals (<http://www.macrolide.com/>) has an opening for a medicinal chemistry scientist. Ideal candidates should have a strong background in organic and medicinal chemistry and be driven to succeed within a team-oriented, fast-paced, and cross-disciplinary biotech environment. Experience in multistep total synthesis experience is strongly preferred. If you are interested, send your C.V. and research summary to Dr. Bhaumik Pandya (bpandya@macrolide.com).

The **University of Chicago** has openings for Assistant Professors in Chemistry. They seek candidates with interests in organic chemistry, inorganic chemistry, physical chemistry, materials, chemical biology, biophysics and other areas within the molecular sciences. Organic: <http://tinyurl.com/oxvy7n8> Inorganic: <http://tinyurl.com/nq59kgr> Physical: <http://tinyurl.com/py98uyk>

The **University of Alabama** (<http://chemistry.ua.edu>) is seeking to fill a tenure track position at the Assistant Professor rank beginning August 16, 2016. The individual should have expertise in biochemistry. Apply online at <https://facultyjobs.ua.edu/postings/37619> and provide CV with publication list, research plans and teaching philosophy statement and arrange for 3 letters of reference to be sent to the Chair, Biochemistry Search Committee, Department of Chemistry, Box 870336, The University of Alabama, Tuscaloosa, AL 35487 or sent electronically to chemistry@as.ua.edu. Review of applications began on October 1 and will continue until the position is filled.

The **University of Maryland Baltimore County** (UMBC) has an open faculty position in the Department of Chemistry and Biochemistry. With two excellent medical schools (University of Maryland Baltimore and Johns Hopkins), and a wide range of government laboratories, the Baltimore area is an ideal location for chemists and biochemists who work at the chem-bio interface. The faculty search is ongoing and review of applications will begin on November 1, 2015. The search will remain open until the position is filled. <http://chemistry.umbc.edu/overview/open-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.