

YALE UNIVERSITY

DEPARTMENT OF CHEMISTRY

THE CHEMISTRY CHRONICLE

October 9, 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 go to chemistry.adminoffices@yale.edu.

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), Lebanon on the occasion of AUB's 150th anniversary. The competition is open to all undergraduate students who have completed Organic I and Organic II courses. Teams of two students 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 Department of Chemistry is delighted to announce that Allied-Bristol Life Sciences (ABLS) has licensed a proprietary platform technology developed in the laboratory of Professor David Spiegel. The Spiegel immuno-oncology platform and associated lead molecules-known as Antibody-Recruiting Molecules (ARMs)-provide a novel approach to the treatment of various forms of cancer.

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>.

Visa Processing:

CORRECTION: Incorrect Immigration information appeared in the last edition of the Chronicle, which stated that the PI must sign the DS-2019 form. This is not true. 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.

Save the Date:

- **Chemistry's annual Holiday Luncheon** will take place on December 11, 2015 in the SCL Historic Corridor first floor.
- **Yale West Campus Chemical Biology Fall Retreat.** Friday, October 9, 2015 at Yale West Campus Conference Center. To register: <http://chemicalbiologyretreat.yale.edu/registration>. Contact Paula Maher (paula.maher@yale.edu) for further information.

• **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.

Science on Saturdays hosted by Kurt Zilm – Fun science lectures for 'kids' of all ages will take place in SCL 110 from 10:00 a.m. to noon on Saturdays this fall (October 17 and November 14). <http://onhsa.yale.edu/science-saturdays>

SEMINARS

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

Monday, October 12. Chemistry Seminar: "Obtaining a Faculty Position at a Predominately Undergraduate Institution (PUI): Strategies and Tactics" John Miecznikowski, Associate Professor of Chemistry at Fairfield University & Visiting Fellow, Department of Chemistry, Yale University. Room 160, Sterling Chemistry Laboratory, 4:00 pm.

Tuesday, October 13. Biophysical Chemistry Seminar: "Structural Mechanics of Bacterial Transcriptional Activation by Sigma54" David E. Wemmer, Department of Chemistry, University of California, Berkeley. Room 160, Sterling Chemistry Laboratory, 4:00 pm.

Wednesday, October 14. Organic Chemistry Seminar (Yale/Boehringer-Ingelheim): "Transnitration with Dimethylmalononitrile: A Safe and Scalable Method for Aryl Nitrile Synthesis" Jonathan Reeves, Senior Principal Scientist, Boehringer-Ingelheim. "Continuous Synthesis of Complex Molecules" Peter H. Seeberger, Director, Max-Planck-Institute of Colloids & Interfaces, Dept. of Biomolecular Systems. Room 110, Sterling Chemistry Laboratory, 3:30-5:30 pm.

Tuesday, October 20. Biophysical Chemistry Seminar: "Protein Flexibility and Antibiotic Resistance" Jeff W. Peng, Department of Chemistry/Biochemistry & Department of Physics, University of Notre Dame. Room 160, Sterling Chemistry Laboratory, 4:00 pm.

Thursday, October 22. Organic Chemistry Seminar: "Small Molecule Activation of Cell Identity Genes as a Therapeutic Strategy for Cancer" Matthew Shair, Department of Chemistry & Chemical Biology, Harvard University. Room 160, Sterling Chemistry Laboratory, 4:00 pm.

Friday, October 23. Chemistry Research Day: A Celebration of Chemical Research. Jiangyong Jia, Brookhaven National Laboratory. "The Chemistry of the Quark-Gluon Plasma – A Primordial Liquid that Existed in the Very Early Universe" Stony Brook Student Activities Center. Further information can be found at www.stonybrook.edu/chemistry.

SYMPOSIA

The Tully Retirement Symposium is scheduled to take place at Yale's Sterling Chemistry Laboratory on **Saturday, November 7, 2015.** Participants include:

- Professor Joel M. Bowman Emory University
- Professor Louis E. Brus Columbia University
- Professor Sharon Hammes-Schiffer University of Illinois Urbana Champagne
- Professor Martin P. Head-Gordon University of California, Berkeley
- Professor William H. Miller University of California, Berkeley
- Professor Krishnan Raghavachari Indiana University
- Professor John D. Weeks University of Maryland

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.

SCHOLARSHIPS/FELLOWSHIPS

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

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>

Paul & Daisy Soros Fellowships for New Americans – This program invests in the graduate education of 30 New Americans – immigrants and the children of immigrants – who are poised to make significant contributions to U.S. society, culture or their academic fields. Each new Fellow receives up to \$90,000 in financial support over two years. Eligibility requirements can be found at: <http://pdsoros.org/> Applications are due on November 1, 2015.

POST-DOCTORAL OPPORTUNITIES

The **Carolina Postdoctoral Program for Faculty Diversity** supports postdoctoral research appointments at the **University of North Carolina at Chapel Hill** and has as its goal the advancement of scholars from underrepresented groups in higher education. The program seeks to provide opportunities for scholarly development for the next generation of faculty at UNC and other research universities. The application window for this program is open, with a deadline of November 16 at: <http://research.unc.edu/carolina-postdocs/index.htm>. Link to UNC Chemistry Department: <http://www.chem.unc.edu/>.

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 med chem group of a small company called **Molecular NeuroImaging** (<http://www.mn imaging.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

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 **Stanford Neurosciences Institute at Stanford University** invites applications for a tenure-track position as an assistant or untenured associate professor in molecular neuroscience, broadly defined. Applicants are expected to have a doctoral degree in neuroscience, genetics, biochemistry, biophysics, bioengineering or any related discipline, and encourage physician-scientists to apply. Applicants should submit a cover letter, CV, 3-5 page statement of research accomplishments and plans (figures and references included), 1 page teaching statement, 2 representative publications, and 3-5 letters of reference. All materials should be submitted online at <https://academicjobsonline.org/ajo/jobs/5856>. The search committee will begin reviewing applications on October 15, 2015; applications will not be accepted after November 15, 2015.

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.

Washington University in St. Louis has an opening for an Assistant Professor in Organic Chemistry with an emphasis on bio-organic or materials chemistry beginning in fall of 2016. Applicants should have a significant synthetic component in their research programs. Submit a CV and one or more concise research proposals in electronic form as PDF to chemsearch@wustl.edu with "Organic Chemistry Position" in the subject line. Applicants should also arrange for 3 letters of reference to be sent to chemsearch@wustl.edu with signed originals sent to: Chemistry Faculty Search Committee, Department, Washington University, One Brookings Dr., Campus Box 1134, St. Louis, MO 63130-4899. Completed applications must be received by October 15, 2015 to ensure inclusion in initial review. However, applications received later will also be considered until search is concluded.

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 as early as November 1, 2015. The search will remain open until the position is filled. <http://chemistry.umbc.edu/overview/open-positions/>

The **University of Delaware** has an opening for a tenure-track position as assistant professor in inorganic chemistry. A link to apply for this position can be found at: <http://apply.interfolio.com/30561>.

The **University of Minnesota** has an opening for a tenure-track faculty position in Chemistry at the Assistant Professor level beginning August 15, 2016. Apply at <http://www1umn.edu/ohr/employment/>. The job id # is 304482.

PTC Therapeutics in South Plainfield, NJ has an opening for a Ph.D. Organic Medicinal Chemist. Selected candidates will be responsible for the design and synthesis of novel pharmacologically active compounds using synthetic organic and medicinal chemistry techniques. If interested, send your resume and research summary to Christie Morrill at cmorrill@ptcbio.com.

The **University of Virginia** has two open faculty positions. They seek candidates with research interests in energy sciences in partnership with MAXNET Energy (<https://maxnetenergy.cec.mpg.de>) and a desire to teach. Submit a profile through Jobs@UVa (<https://jobs.virginia.edu>), posting # 0617188, and electronically attach the following: cover letter, CV (including a full publication list and funding history, if applicable), and a statement of research interests (3-5 pages including descriptions of proposed research). Applicants at the Assistant professorship rank should arrange to have three confidential letters of recommendation sent by email to chemsearch@virginia.edu. Questions regarding the application process in JOBS@UVa should be directed to: Lin Burton (lgb4d@virginia.edu or 434-924-4360). Review of applications began September 25, 2015; however, the positions are open until filled.

Amgen (<http://www.amgen.com/>) has several open positions for top organic synthetic chemistry talent at the PhD/Post-doctoral, Master's and B.S. levels. The positions are available in both the Medicinal Chemistry and Process Development groups, at both the Thousand Oaks, CA and Cambridge, MA facilities. Interested students/post-docs looking for pharma/biotech positions this year, should send their information to rdwhite@amgen.com.

Hope College Tenure Track Biochemistry Position: The Hope College Department of Chemistry and Biochemistry (www.hope.edu/academic/chemistry/openings/biochemistry.pdf) is conducting a search for a biochemist at the Assistant Professor Level to begin in Fall 2016. Candidates must have a Ph.D. and postdoctoral experience in biochemistry and/or chemistry. Submit cover letter, CV, description of research plans, statement of teaching philosophy and competencies, and undergraduate and graduate transcripts to Dr. Jeffrey B. Johnson, Search Committee Chairperson. This material should be submitted electronically via an online application located at www.hope.edu/employment/faculty. Three letters of recommendation should be sent to jobs@hope.edu. Review of applications began on 9/24/15.

Colorado State University: Seeking at least two tenure-track faculty members. Candidates from all areas of chemical science are encouraged to apply; candidates with research interests in chemical biology, experimental physical chemistry, and/or soft materials are of particular interest. Candidates must hold a Ph.D. or equivalent degree and be capable of outstanding teaching, scholarship, and research. Postdoctoral experience is highly desirable. Complete applications must include a detailed CV, descriptions of research plans and teaching interests, and the names of at least three references. For more information or to apply see <http://jobs.colostate.edu/postings/17641>. Questions regarding the searches should be directed to Chair, Faculty Search Committee, CHEM_search@mail.colostate.edu. Applications will be accepted until the positions are filled; applications completed by October 15, 2015 will receive full consideration.

The **University of Kentucky** Department of Chemistry: Seeking candidates for a tenure-track faculty position at the Assistant Professor level. The research area is focused on synthetic biology, with particular interest in the control and engineering of cellular systems for the production of high-value chemicals such as carotenoids, enhanced lipid production or protein content, and so on. This position has a start date of August 2016. A Ph.D. in Chemistry or a closely related field is required and postdoctoral experience is highly desirable. Details of the position and instructions for submission of applications can be found at: <http://ukjobs.uky.edu/postings/77774>. Review of applications will begin on October 14, 2015.

Department of Chemistry and Biochemistry, **University of Maryland, College Park**, tenure-track Assistant Professor Applications, consisting of a cover letter, curriculum vitae, research plan statements (3 pages per plan), statement of educational interests, and three references, must be submitted electronically to: <https://ejobs.umd.edu/postings/35795> Deadline: Review of applications began October 1, 2015, but we will continue to accept applications until the positions are filled. Inquiries and/or nominations should be directed to chembchm2016fac@umd.edu

Georgia Institute of Technology, School of Chemistry and Biochemistry, tenure-track faculty position in the development of any aspect of chemistry or biochemistry related to feedstocks from renewable and sustainable sources. Submit a cover letter, curriculum vitae, and the names and contact information of three references to: <https://academicjobsonline.org/ajo/jobs/6003> The application deadline is October 15, 2015, with application review continuing until the position is filled.

ExxonMobil Chemical, Organometallic Catalysis Department, Baytown, Texas. Post-doc or Ph.D. candidate level to work within interdisciplinary teams for the development of single-site catalyst technology with a strong background in

synthetic inorganic/organometallic chemistry. Applicants should submit their CV and direct any questions to Steven Brown, at steven.d.brown@exxonmobil.com.

Industrial Interviews in the Chemistry Department:

Wednesday, 10/28/15 – **Macrolide Pharmaceuticals**