

YALE UNIVERSITY

DEPARTMENT OF CHEMISTRY

THE CHEMISTRY CHRONICLE

October 2, 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 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 stipend to cover 2016 Fall ACS national meeting expenses; present their research at a WCC/Merck half-day symposium; 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:

The government has changed the signature requirement on the DS-2019. They now require an original PI signature on the document. Please note that staff cannot sign for you.

Save the Date:

- **The Annual Scientific/Laboratory Vendor Shows** hosted by Yale University Purchasing Services.
Discover how Yale's suppliers are striving to become more environmentally friendly.
Tuesday, October 6, 11:00am-1:30pm, SCIENCE HILL, *Greenberg Conference Center*
Wednesday, October 7, 11:00am-1:30pm, MEDICAL SCHOOL, *The Anlyan Center-2nd Floor Lobby & 3rd Fl. Bridge*
Thursday, October 8, 11:00am-1:30pm, WEST CAMPUS, *The Conference Center*
If you would like to pre-register to save time and bypass lines, go to - <http://www.lifescienceexhibits.com/showinfo>
- **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

[Chemistry Department Seminar Schedule](#)

Wednesday, October 7. The ISPS Center for the Study of American Politics at Yale: Special lecture event with Kathleen Hall Jamieson, University of Pennsylvania. "Communicating the Value and Values of Science." Luce Hall Auditorium, 34 Hillhouse Ave., 4:00 pm. More information at: <http://csap.yale.edu/event/csap-special-event-kathleen-hall-jamieson-communicating-value-and-values-science>.

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): "TBD." Peter H. Seeberger, Director, Max-Planck-Institute of Colloids & Interfaces, Dept. of Biomolecular Systems. Room 110, 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

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@mning.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. Current projects include the synthesis of macrocyclic libraries and bioactive natural product analogues. 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 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.

D. E. Shaw Research (www.DEShawResearch.com) has job opportunities in chemistry. Their group is currently focusing on molecular simulations involving proteins and other biological macromolecules of potential interest from both a scientific and a pharmaceutical perspective. There will be an information session followed by networking on Monday, October 5th from 6:00-8:00 p.m. at the Yale Center for Engineering Innovation and Design, 15 Prospect Street. All majors are welcome. Dinner will be provided.

The **University of Virginia** has two open faculty positions in the Department of Chemistry. They are seeking candidates with research interests in energy sciences who can augment their recently developed partnership with MAXNET Energy (<https://maxnetenergy.cec.mpg.de>) and who can enhance their teaching mission. To apply, candidates must submit a candidate profile through Jobs@UVa (<https://jobs.virginia.edu>), search using posting number 0617188 and electronically attach the following: a cover letter, a curriculum vitae (including a full publication list and funding history, if applicable), and a statement of research interests (3-5 pages including descriptions of proposed research). Also, 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, curriculum vitae, 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. While exceptional 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, 9/30/15 – **Biogen**

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