

YALE UNIVERSITY

DEPARTMENT OF CHEMISTRY

THE CHEMISTRY CHRONICLE

September 18, 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. For more information click [here](#).

Environmental Health & Safety and the Chemistry Department held its **first annual "Chemistry Safety Day"** on September 1st in SCL. First-year graduate students, along with returning students, postdocs, faculty and staff participated. Highlights included demonstrations on the handling of pyrophoric and toxic chemicals, live fire extinguisher training with Fire Code Compliance, lab coat fittings and free safety glasses. Attendees received a 'passport' upon registering and with each visit to an exhibit table he/she received a stamp. All those who visited every exhibit table and handed in their completed passport, were eligible for prize drawings.

Faculty & Staff: **If an employee who is set up for direct deposit, receives a paper payroll check and did not make changes to their direct deposit information, please report it immediately to the Employee Service Center at 203-432-5552.**

Call for Proposals for Yale Technology Summit: The Yale Technology Summit Advisory Committee is seeking presentation proposals from Yale faculty, staff, students, and alumni for the Fall 2015 conference. ***Please use the online proposal form and submit entries by Friday, September 18, 2015.***

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:

- **Pasteur Foundation Gala.** Tuesday, September 29, 2015 in New York City. For further information, contact LHinden@rcspr.com or 212-463-0684. www.pasteurfoundation.org/
- **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 three Saturdays this fall (September 26, October 17 and November 14).

<http://onhsa.yale.edu/science-saturdays>

SEMINARS

[Chemistry Department Seminar Schedule](#)

Monday, September 21. Inorganic Chemistry Seminar: “Frustrated Lewis Pair.” Douglas W. Stephan, Department of Chemistry, University of Toronto. Relocated to: **Room 160**, Sterling Chemistry Laboratory, 4:30 pm.

Monday, September 28. Inorganic Chemistry Seminar: “Probing Structure-Reactivity Relationships in Methanol to Olefins Conversion via Post-Synthesis Catalyst Modifications.” Kun Wang, Corporate Strategic Research, ExxonMobil Research and Engineering. Room 111, Sterling Chemistry Laboratory, 4:30 pm.

Tuesday, September 29. Biophysical Chemistry Seminar: “New Target-Based Drug Approaches for Preventing and Treating Malaria.” Pradip Rathod, Department of Chemistry, University of Washington. Room 160, Sterling Chemistry Laboratory, 4:00 pm.

MB&B Seminars:

Monday, September 21. MB&B Seminar: “Cryo-EM of Helical Polymers at Near-Atomic Resolution Yields New Insights into Evolutionary Divergence.” Edward Egelman, Department of Biochemistry and Molecular Genetics, University of Virginia. LMP 1094 (Fitkin Auditorium), 4:00 pm.

Friday, September 25. Biophysics Research in Progress Talks: Michael Robertson, Jorgensen Lab "Structure-Based Drug Design: Improved Tools and Applications to Macrophage Migration Inhibitory Factor" 11:45 am Lunch and 12:00 pm Talk, BASS 305.

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>

Fall 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. 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-DOC OPPORTUNITIES

Three postdoc positions are currently available in Erwin Reisner's lab at **Cambridge University** to work on artificial photosynthesis. More information and application details can be found at: <http://www.ch.cam.ac.uk/job/3-research-associates-materials-engineering-solar-fuel-devices-fixed-term>

The deadline for applications is the September 30, 2015.

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.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. 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

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 will begin 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 will begin 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.

Department of Chemistry, University of Toronto, Assistant Professor or Associate Professor in the area of Experimental Physical Chemistry, including fundamental studies of materials and/or biophysical chemistry. Start date is July 1, 2016. PhD by date of the appointment or soon thereafter in the broadly defined area of Physical Chemistry. If you have questions about this position, please contact receptn@chem.utoronto.ca. Submission guidelines can be found at <http://uoft.me/how-to-apply>. Applications should be received by October 1, 2015. This search will remain open until filled.

Industrial Interviews in the Chemistry Department:

Friday, 9/18/15 – **AbbVie**

Monday, 9/21 – Wednesday 9/23/15 - **DuPont**

Wednesday, 9/30/15 – **Biogen**

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

Incyte Corporation will also be recruiting at Yale. Date hasn't been determined.

Drs. Shashank Shekhar and Grier Wallace are recruiting for AbbVie at Yale today (Friday, September 18th). They will give a 45-50 minute company presentation in CRB 123 at 9:00 a.m. followed by one-on-one interviews with interested candidates. Contact Shashank.shekhar@abbvie.com for further information on available positions.

Dr. Robert Gilfillan from **Biogen** (<https://www.biogen.com/>) will be interviewing at Yale on Wednesday, September 30th.

Scientist I, Medicinal Chemistry: Please send your CV or resume and research summary to Dr. Robert Gilfillan (rab.gilfillan@biogen.com).

Dr. Andrew Taggi will visit Yale on September 21-23 as part of **DuPont's** corporate recruiting process. On Monday, September 21st at 6:00 p.m. in SCL 111, he will present a brief overview of DuPont <http://www.dupont.com/>. There are Ph.D. Openings in synthetic organic chemistry - crop protection, polymer chemistry - performance polymers, polymer engineering - performance polymers, rheology, macromolecular characterization, and particle and colloid scientists. If you're interested, email your resume to dupont@nc3.com.

Eli Lilly has several openings for entry-level organic chemists in medicinal chemistry. Although they won't be recruiting at Yale, they are collecting resumes, will then preselect candidates and conduct telephone or Skype interviews. Interested graduate students and postdocs should contact Craig Ruble directly by email at ruble_craig@lilly.com and should provide a resume and research summary.