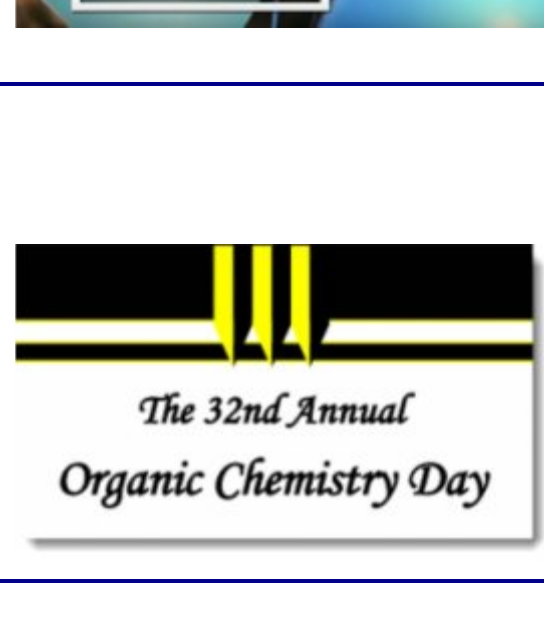


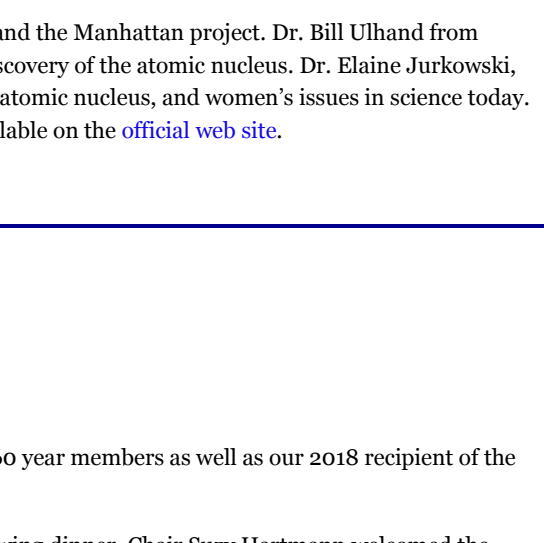
Sophia Hayes dishes on He: an endangered element

first published 15 March 2019
Sophia Hayes, our Chair-elect, is also Professor of Chemistry at Washington University. Much of her research is focused on NMR techniques, and you know what that means: massive superconducting magnets. And you know what that means: a need for super-low temperatures.
Sophia is therefore concerned about the dwindling supply of helium, which is used as a cryogenic liquid (around 4 K) to cool her magnets. She has become something of a go-to person for commentary about this "endangered element."
Sophia served as a science consultant for a joint ACS/PBS video on the who, what, and why of the helium crisis. It's less than five minutes, so give it a look.
And if you are interested in a more technical, in-depth take on the issue, Sophia will be co-hosting an ACS webinar, Helium: An Irreplaceable Resource and Why We Must Conserve It, on Thursday, April 11, at 1 pm (CDT). ACS members can register here for the free webinar.



Just one day: Organic Chemistry Day at Mizzou

first published 18 March 2019
Go west, young (or not) person: the Chemistry Department at University of Missouri-Columbia is hosting the 32nd annual Organic Chemistry Day on April 13th.
Take a break from preparing your taxes to attend a day of talks and networking opportunities. Speakers from all over, including Bruce Hammer of University of Missouri-St. Louis, speaking on Advances in Continuous Flow Processes: From Pharmaceuticals to Beer.
You can find all the information on the event website, including complete schedule of talks, venue information, local information about lodging and dining, and more.

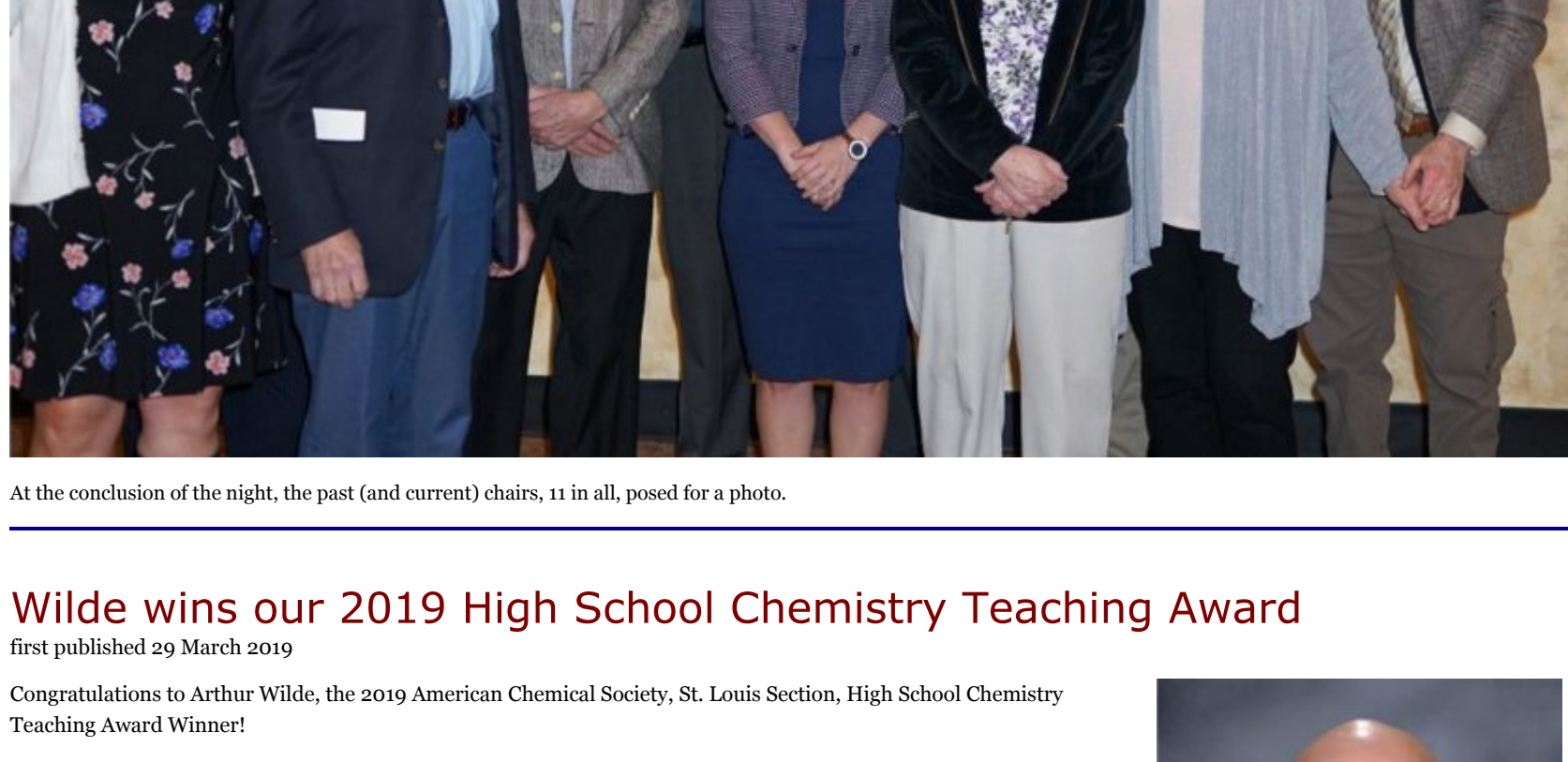


Periodic Table Celebrations Continue, in Spain!

first published 25 March 2019
To celebrate the 150th year of the periodic table, the University of Murcia, Spain hosted an international symposium titled Setting Their Table: Women and the Periodic Table of Elements. Several members of the St. Louis Section-American Chemical Society presented.
Dr. Reni Joseph, Professor of Chemistry, St. Louis Community College presented on Ida Noddack, Lise Meitner and the Manhattan project. Dr. Bill Uhlund from Curium pharmaceuticals spoke about Ernest Rutherford's famous alpha scattering experiment that led to the discovery of the atomic nucleus. Dr. Elaine Jurkowski, Professor at SIUE Carbondale covered women's issues at the time Rutherford was developing his concept of the atomic nucleus, and women's issues in science today. The symposium was well attended and had a good international representation. Pictures from the event are available on the official web site.
Submitted by Dr. Reni Joseph.

Recognition Night - The 2019 Edition

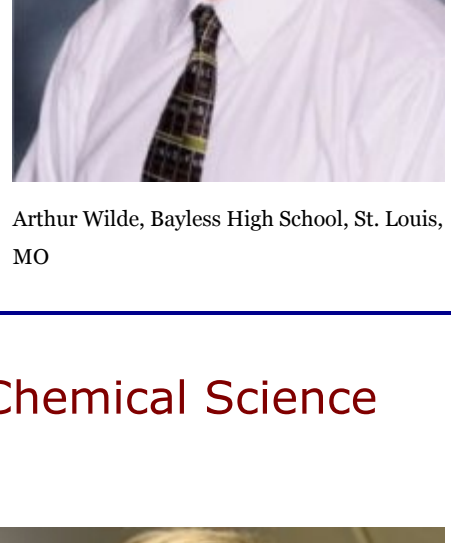
first published 25 March 2019
Reported by Suzy Hartmann
Recognition Night was held on March 16, 2019 at Balaban's in Chesterfield. The evening celebrated our 50 and 60 year members as well as our 2018 recipient of the Distinguished Service Award.
The evening started with an active social hour, where old friends reconnected and new friends were made. Following dinner, Chair Suzy Hartmann welcomed the guests and presented certificates to the 50 and 60 year members in attendance. The St. Louis Section thanks these dedicated members for their contributions to the section and to the chemical sciences.
50 Year Members: Paul Eckler, William Mess, Marvin Raymond, Ron Smith
60 Year Members: Leo Malone, Bruce Phillips
Jeff Connell was presented with the 2018 Distinguished Service Award for his past and current contributions to the section. Jeff has held multiple leadership roles with the section including Education Committee Chair, Undergraduate Research Symposium Chair, Secretary, Director, and Chair succession. He currently serves as Treasurer.
Past Chair, Ben Barth was presented with his Past Chair pin and a plaque. These gifts did not come for free as Ben gave a talk immediately after taking possession of these items. His presentation "Chemistry for Pre-Pharmacy Students at St. Louis College of Pharmacy" provided the audience with an overview of the steps Ben and other faculty members at St. Louis College of Pharmacy have taken to continuously improve student outcomes.
Many thanks to all who attended, and congratulations to the honorees. More photos from the event can be found at the STL ACS Flickr website.
The section would also like to acknowledge the 50, 60, and 70 year members who were not in attendance for their years of dedication and service.
50 Year Members: David Habermehl, Eric Rössner, Kurt Wightton
60 Year Members: John Craddock, Ronald Downs, Mark Mosdrötzner, John Wagenknecht
70 Year Members: Henry Horner, Quentin Thompson



At the conclusion of the night, the past (and current) chairs, 11 in all, posed for a photo.

Wilde wins our 2019 High School Chemistry Teaching Award

first published 29 March 2019
Congratulations to Arthur Wilde, the 2019 American Chemical Society, St. Louis Section, High School Chemistry Teaching Award Winner!
Mr. Wilde has taught at Bayless High School in St. Louis since 2011. He has received several awards for the innovative teaching techniques in his chemistry classes, including the Bayless High School Teacher of the Year Award. He has continually found ways to make chemistry an approachable, reliable, fun and memorable subject to his diverse group of students through real-world applications.
Mr. Wilde has incorporated new technologies and techniques into his classroom and is always looking toward the horizon to see what authentic tools and lessons he can incorporate into his learning environment. He is currently working on his Ed.D. through the University of Missouri St. Louis and continues to find ways to enhance his teaching in and outside of the classroom.



Arthur Wilde, Bayless High School, St. Louis, MO.

Sally W. Schwarz is the 2019 ACS St. Louis Section Chemical Science and Technology Award Winner

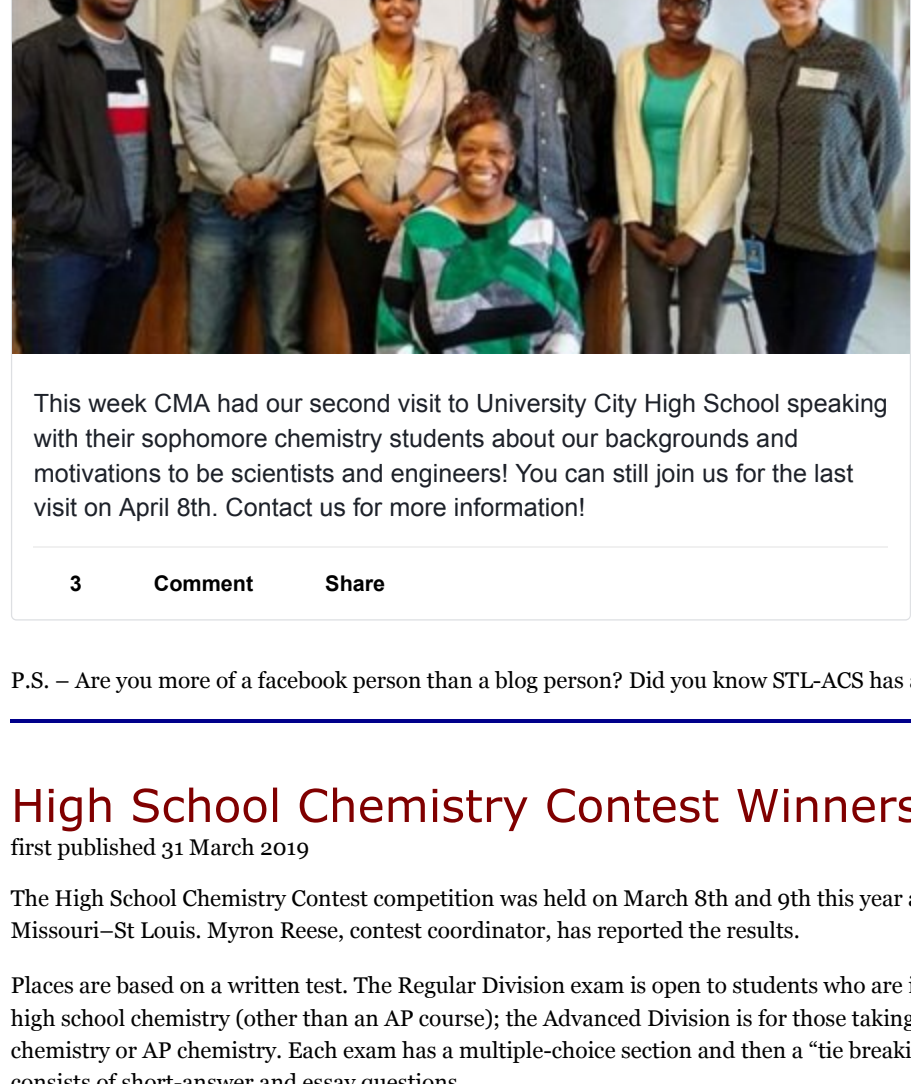
first published 29 March 2019
Submitted by David Rhee
It is my distinct pleasure to announce the winner of the 2019 American Chemical Society, St. Louis Section, Chemical Science and Technology Award: Sally W. Schwarz, R. Ph., M.S., B.C.N.P. Currently a Professor of Radiology and co-director of Cyclotron Facility at Washington University in St. Louis, she has made outstanding contributions to radiopharmaceutical sciences over three decades. She has worked both in clinical nuclear medicine and in radiochemistry research in development of new radiopharmaceuticals and in translation of those radiopharmaceuticals to humans for diagnostic use.
Professor Schwarz is one of the most recognized radiopharmacist, both nationally and internationally where she made contributions in the scientific, educational, regulatory domains over decades. She served on the United States Pharmacopoeia (USP) Expert Committee for 10 years, involved in revising definition of the production and quality control requirements of PET radiopharmaceuticals for research use. She is a member of the American Pharmacists Association (APhA) and the Nuclear Pharmacy Special Interest Group and became an APhA fellow in 2000. She also served as the Nuclear Pharmacy advocate on the Nuclear Regulatory Commission (NRC) Advisory Committee for the Medical Use of Isotopes (ACMI) for 6 years. She was a past President of the Society of Nuclear Medicine and Molecular Imaging (SNMMI). She has been involved in training pharmacy students as part of the PharmD program at St. Louis College of Pharmacy and the University of New Mexico.
She believes in the science of Nuclear Medicine and that it brings tremendous benefit to the patients. During her career, she had one major goal, to provide high quality clinical and clinical research radiopharmaceuticals for the patients. She believes she has achieved this goal, though she will always continue to pursue it.



Sally W. Schwarz, Professor of Radiology at Washington University in St. Louis

The Committee on Minority Affairs visits U. City High

first published 30 March 2019



The week CMA had our second visit to University City High School speaking with their sophomore chemistry students about our backgrounds and motivations to be scientists and engineers! You can still join us for the last visit on April 8th. Contact us for more information!

3 Comment Share

P.S. - Are you more of a facebook person than a blog person? Did you know STL-ACS has a presence over there as well? Follow the link above to like our page!

High School Chemistry Contest Winners for 2019 Announced

first published 31 March 2019

The High School Chemistry Contest competition was held on March 8th and 9th this year at University of Missouri-St. Louis. Myron Reese, contest coordinator, has reported the results.
Places are based on a written test. The Regular Division exam is open to students who are in their first year of high school chemistry (other than AP courses); the Advanced Division is for those taking a second year of chemistry or AP chemistry. Each exam has a multiple-choice section and then a "tie breaker" section that consists of short-answer and essay questions.
Clayton and Ladue dominated the Advanced Division, with four of the top five places hailing from Clayton High School and one from Ladue Horton-Watkins High School. Among Honorable Mentions, we find Marquette, Parkway, and Lafayette represented as well.
Among Regular Division winners, we saw a bit more diversity. Three high schools (John Burroughs, Clayton, and Marquette) among the top five, and additionally St. Louis University High appearing in the HM's.
Congratulations to all of the 2019 winners, listed below, and to their teachers. All are invited to Awards Night, April 16th, as guests of the Section to be recognized for their achievement.
We also hope to see many of the Regular Division competitors returning next year to make their marks in the big league.



Table with columns: Place, Student, School, Teacher. Lists winners for Regular and Advanced Divisions.

These are our outstanding junior chemistry students (2019 edition)

first published 31 March 2019

We are pleased to announce the winners of the Outstanding Junior Chemistry Student awards for 2018. Each college and university in the local section territory chooses its winner; all are feted at Awards Night on April 15.

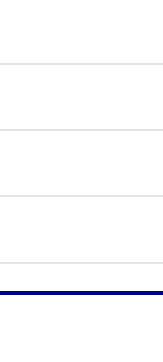


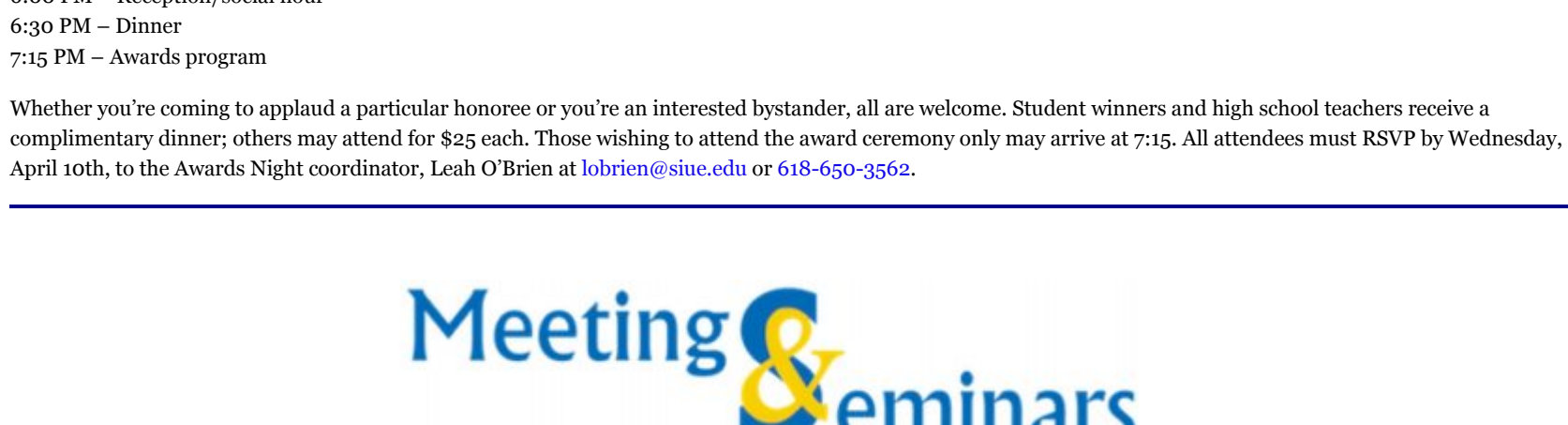
Table with columns: College or University, Student. Lists award winners from various institutions.

Awards Night 2019

first published 31 January 2019

Save the date!

Awards Night will be held this year from 6:00 - 9:00 pm on Monday, April 15th, 2019. The venue this year is Vue 17, located across from the Galleria. It is on the 17th floor, so the views of the city as the sun sets will be something to see!

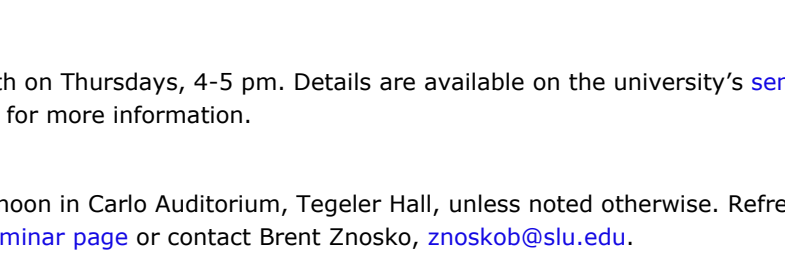


Vue 17: A Modern Broadcast & Event... 1023 S. Brentwood Blvd, Suite 1700 St. Louis, MO 63117 Free parking is available in surface lots and the garage.

Winners of the high school chemistry contest, the high school chemistry teacher-of-the-year, and the outstanding junior chemistry students at area colleges and universities will all be recognized.

Agenda: 6:00 PM - Reception/social hour 6:30 PM - Dinner 7:15 PM - Awards program

Whether you're coming to applaud a particular honoree or you're an interested bystander, all are welcome. Student winners and high school teachers receive a complimentary dinner; others may attend for \$25 each. Those wishing to attend the award ceremony only may arrive at 7:15. All attendees must RSVP by Wednesday, April 10th, to the Awards Night coordinator, Leah O'Brien at lobrien@slu.edu or 618-690-3926.



Board of Directors
St. Louis Section-ACS Board of Directors meets the second Thursday of each month, usually at the Glen Echo Country Club (map and driving directions). Meetings are open to all members, and all are encouraged to attend. Elected officers and chairs of major committees will also be questioned if you want to attend; in addition, please contact the section chair at least a week in advance. The usual cost of the dinner is \$20 (\$10 for post-docs and unemployed members). Bar service and dessert are optional extras. Members wishing to become active in section activities are welcomed for their first dinner as guests of the section.

Date: Apr 11
Social hour, cash bar: 6:00 pm
Call to order: 6:30 pm (Board Meeting suspended during dinner service)
Future meetings: May 9

Maryville University
Seminars are approximately once a month on Thursdays, 4-5 pm. Details are available on the university's seminar page. All seminars are free and open to the public. Contact Jason Telford for more information.
Saint Louis University
Seminars are generally on Fridays at 12 noon in Carlo Auditorium, Ziegler, Hall, unless noted otherwise. Refreshments follow. For the most up-to-date information, refer to the department's seminar page or contact Brent Tnosok, bntnosok@slu.edu.
University of Missouri-St. Louis
Mondays at 4 pm in 451 Benton Hall, unless otherwise specified. Refreshments 15 minutes prior to seminar time. For timely information on visiting seminar speakers, contact the Chemistry Department, 314.516.5311, or visit the seminar schedule. The department has additional seminar series which are also accessible from this page.
Washington University
Seminars are in McMillen 311 at 4 pm unless otherwise noted. For information, consult the departmental events page. Related seminars, including endowed seminar series and the WU med school biochemistry series, are linked here as well.

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AKC American Radiolabeled Chemicals, Inc. 101 ARC Drive, Saint Louis, MO 63146 - Tel: 314-991-4545 www.arc-inc.com - arcinc@arc.com - Fax: 314-991-4692 EXPERIENCED EMPLOYMENT OPPORTUNITIES Ideal candidates should have 5-10 years experience in radioisotope synthesis using carbon-14 and tritium. Candidates with experience using carbon-13 and deuterium will also be considered. Applicant must have extensive experience in multi-step, small-scale organic radioisotope synthesis, as well as vacuum line techniques to handle, purify, and transfer small amounts of volatile chemical reagents. M.S. or Ph.D. required. Biochemist Applicant must have experience with enzyme extraction, biochemical synthesis, gel electrophoresis, purifications by EP, TLC, and paper chromatography. Ph.D. required. Analytical/Preparative HPLC Chemist Ideal candidate should have experience in both analytical and preparative HPLC. Applicant must have experience with analytical and preparative HPLC techniques for radioactive chemicals. B.S. in related field required, M.S. or Ph.D. preferred.

About the Chemical Bond

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