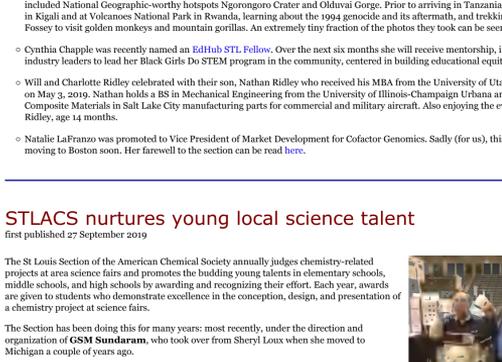


October Bond Briefs

first published 30 September 2019

Welcome to the October edition of Bond Briefs! We have a great selection of photos, announcements and personal experiences. Bond Briefs was conceived as a way for the St. Louis section membership to share small bits of news. Ours is a large section, and it can sometimes be difficult to connect to one another. As a section, we will succeed and bring value to our members by fostering personal connections.

This opportunity to reach out and share a bit of news about yourself remains open every month. Just [drop us a line](#) with a picture and a short blurb.



Chanté Summers had two notable events in September. On September 9th she was named an IF/THEN Ambassador for the AAAS. IF/THEN Ambassadors are chosen to serve as role models for middle-school girls to spark their interests in STEM. In the "Proving Myself: Stories about Fighting Distrust" episode of The Story Collider podcast, she shared a personal story nominally about her response to every chemist's nightmare: a lab explosion. While harrowing in its own right, her journey to and through that event highlights the constant fight to be recognized that chemists of color face.

Eric and Lynnette Ressler checked off a huge box on their bucket list this summer, with several days of safari on the Serengeti. The tour also included National Geographic-worthy hotspots Ngongoro Crater and Olduvai Gorge. Prior to arriving in Tanzania, they spent several days in Kilimanjaro and Volcanoes National Park in Rwanda, learning about the 1994 genocide and its aftermath, and trekking in the footsteps of Dian Fossey to visit golden monkeys and mountain gorillas. An extremely tiny fraction of the photos they took can be seen here.

Cynthia Chapple was recently named an [Edith STL Fellow](#). Over the next six months she will receive mentorship, insight and training from industry leaders to lead her Black Girls Do STEM program in the community, centered in building educational equity.

Will and Charlotte Ridley celebrated with their son, Nathan Ridley who received his MBA from the University of Utah in Salt Lake City, Utah on May 2, 2019. Nathan holds a BS in Mechanical Engineering from the University of Illinois-Champaign Urbana and works for Albany Composite Materials in Salt Lake City manufacturing parts for commercial and military aircraft. Also enjoying the event is Nathan's son, Liam Ridley, age 14 months.

Natalie LaFranzo was promoted to Vice President of Market Development for Cofactor Genomics. Sadly (for us), this means she will be moving to Boston soon. Her farewell to the section can be read [here](#).

STLACS nurtures young local science talent

first published 27 September 2019

The St. Louis Section of the American Chemical Society annually judges chemistry-related projects at area science fairs and promotes the budding young talents in elementary schools, middle schools, and high schools by awarding and recognizing their effort. Each year, awards are given to students who demonstrate excellence in the conception, design, and presentation of a chemistry project at science fairs.

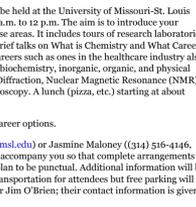
The Section has been doing this for many years: most recently, under the direction and organization of **GSM Sundaram**, who took over from Cheryl Loux when she moved to Michigan a couple of years ago.

The awards this past Spring, and what followed, were particularly remarkable and rewarding to us in return. Sundaram received several communications from awardees, indicating how important the recognition was to them.

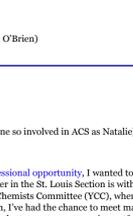
Jeffrey Dai won recognition of his project at both the general and the Honors science fairs sponsored by the Saint Louis American Chemical Society. He wrote the following to Sundaram: "I would like to formally thank you for giving me your award at the Academy of Science of St. Louis Honors Division Science Fair. It really means a lot to me because I'm honored that professionals from your society saw enough potential in my project to give me this award."

Another awardee, **Margie Lodes**, feels thankful for our support: "Thank You for the Science Center membership, we will put it to good use. I chose my project to bring awareness to the issue of Micro plastics, and your support means a lot."

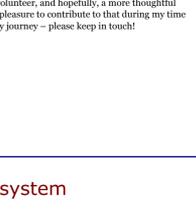
STLACS plays a huge role in the career paths of the young talents who participate in science fairs, by constantly encouraging their outstanding work.



GSM Sundaram (right) with Science Fair volunteers (from left) Donald Sartor and William Umland



Jeffrey Dai with his STLACS award



Margie Lodes stands by her poster



Winnie Joycie Chang with Fair Director Peggy Nacker

UMSL hosting ACS Career Day for local High School Students

first published 30 September 2019

Dear Science Educators,

You and your students are invited to Career Day sponsored by the American Chemical Society to be held at the University of Missouri-St. Louis (UMSL) in the Chemistry and Biochemistry Department on Friday November 8th, 2019 from 9 a.m. to 12 p.m. The aim is to introduce your students to careers involving chemistry and biochemistry and have them witness activities in those areas. It includes tours of research laboratories and instrument facilities, and Chemistry Demonstrations by the UM-St. Louis Chemistry Club. Brief talks on What is Chemistry and What Careers Use Chemistry precede the tours. Chemistry and biochemistry are "central sciences" and other careers such as ones in the healthcare industry also involve these disciplines; they are key components in a STEM education. In the tour, research in biochemistry, inorganic, organic, and physical chemistry will be featured and major instruments to be shown and demonstrated include X-ray Diffraction, Nuclear Magnetic Resonance (NMR), High-Performance Liquid Chromatography (HPLC), Mass Spectrometry (MS) and Electron Microscopy. A lunch (pizza, etc.) starting at about 11:30 a.m. will conclude the event.

This should be a valuable experience for your students as they consider their college and future career options.

Please respond by Friday November 1, 2019 to Leah Trimble ((314) 516-5311, e-mail: trimble@umsl.edu) or Jasmine Maloney ((314) 516-4146, jasm90@umsl.edu) to inform us that you will attend. Please let us know how many students will accompany you so that complete arrangements for food and setting up of four groups may be made. The day involves lots of activities so please plan to be punctual. Additional information will be provided later by e-mail. Please note that our budget for this event does not include the cost of transportation for attendees but free parking will be provided. Additional details concerning the planned program can be obtained from Keith Stine or Jim O'Brien; their contact information is given below.

Professors Keith Stine and James J. O'Brien
E-mail: kstine@umsl.edu; obrienj@umsl.edu
Telephone: ((314) 516-5346 (Keith Stine); ((314) 516-5717 (Jim O'Brien)
FAX ((314) 516-5342

Until we meet again

first published 30 September 2019

(The editors do not believe in farewells, especially with someone so involved in ACS as Natalie)

Dear STLACS Section Stewards-

As I prepare for a departure to Boston due to an exciting professional opportunity, I wanted to take a moment to say goodbye and more importantly, thank you. Becoming an active member and leader in the St. Louis Section was without a doubt one of the best decisions I have made in my personal and professional life. Starting with the Younger Chemists Committee (YCC), where I met a group of passionate, young chemists, I knew the ACS was a place for me to grow and learn. Since then, I've had the chance to meet many friends, colleagues, and mentors, who have challenged me, supported me, and empowered me to become a better person, a more impactful volunteer, and hopefully, a more thoughtful leader. The St. Louis Section has such a deep and impressive history of success, and it's been my pleasure to contribute to that during my time here. I look forward to hearing how the Section evolves in the future. Thank for being a part of my journey – please keep in touch!



Natalie LaFranzo (nlafranzen@gmail.com)

Help kick off STEM Day with STEMSTL Ecosystem

first published 30 September 2019

The **STEMSTL Ecosystem**, in observance of National Science, Technology, Engineering, and Math (STEM) Day is planning a STEM Day event on Saturday, November 2nd, 2019 at The O'Fallon Park Recreational Center. This event will kick off events leading up to STEM Day on November 8th.



The Ecosystem invites you to participate in this event by hosting a table of fun STEM-related activities for the community and your student and family members. The Ecosystem's mission is to broaden the reach and interest in Science, Technology, Engineering, and Math. The great work that you and your organization do around STEM engagement is most important to shaping our next generation of Creatives, Innovators, Scientist, and Technologists. Please consider participating in the day. It is our goal to reach upwards of 500 students and families through this effort.

If you're interested in participating, please [click here](#) to complete the registration form.

Who is STEMSTL?

STEMSTL is a collaborative consortium committed to equitable access to high-quality STEM learning and employment opportunities for all learners in the St. Louis metro region. By uniting community stakeholders, both in-school and out-of-school, around action-oriented workgroups and along defined pathways from early learning to education to the workforce, the St. Louis STEM Ecosystem will foster systemic change by:

- Building a Regional Culture of STEM Learning
- Enhancing In-Class STEM Education
- Ensuring In-Class Learning is Aligned with Quality and Accessible Out-of-Class STEM experiences
- Linking STEM Learning with College and Career Opportunities

Vision:

All learners in the St. Louis region have equitable access to high-quality STEM learning and employment opportunities.

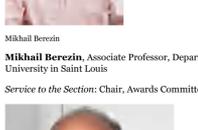
Your participation is much appreciated.

Ballot for 2020 STLACS officers

first published 30 September 2019

Early in October, all members will receive an email link directing them to their electronic ballot for 2020 officers. Bios and information about the candidates are below.

Chair:

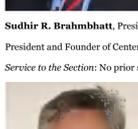


Samina Azad

Samina Azad, New Product Development Manager, PLZ Aerospace

Service to the Section: Councilor, Cleveland Local Section (2008-present); Member, Women Chemists Committee (WCC) (2009 – present); Chair, Public Relations for the Section, Industrial and Engineering Chemistry (I&EC) Division (2018 – present).

Secretary:



Henry Rohrs

Henry Rohrs, Assistant Director, Washington University NIGMS Biomedical Mass Spectrometry Research Resource

Service to the Section: Organizer and Chair of Midwest MS Discussion Group (2008-present); Organizer and Chair Biological Mass Spectrometry Symposium – Great Lakes/Midwest Regional Meeting (2013), Treasurer (2017-present)

Treasurer:



Jeff Cornelius

Jeff Cornelius, Charles Stewart Harding Mott Distinguished Professor of Chemistry and Chair of Physical Science and Engineering Department, Principia College

Service to the Section: Education Committee Chair (2001-2006); Treasurer (2017-present); Secretary Symposium (2000, 2004); Secretary (2007-2009); Chair succession (2010-2012); Director (2015-2016); Undergraduate Research Symposium Chair (2000, 2004); Secretary (2007-2009); Chair succession (2010-2012); Director (2015-2016); Treasurer (2017-present)

Councilor:



Eric Bruton

Eric Bruton, Research Scientist, The Boeing Company

Service to the Section: Chair (2012), Younger Chemist Committee (YCC): executive member (2008), co-chair (2009), chair (2010). YCC won "Outstanding New Local Section YCC" (2008) and was nominated for "Outstanding Local Section YCC" (2009). Leadership Development Forum Chair since 2012, Publicity and Public Relations Chair (2016), Councilor (2017 – present)

Director:



Mikhail Berezin

Mikhail Berezin, Associate Professor, Department of Radiology, Affiliated Professor of Chemistry, Department of Chemistry, Washington University in Saint Louis

Service to the Section: Chair, Awards Committee (2015-present); Director (2018 – present)



Sudhir R. Brahmabhatt

Sudhir R. Brahmabhatt, President, Technology Services Inc.

President and Founder of Center for Indian Cultural Education – Bal Vihar (1992-present)

Service to the Section: No prior service to local or national ACS.



Keith Stine

Keith Stine, Professor of Chemistry and Biochemistry, University of Missouri-Saint Louis

Service to the Section: Director (2010-present); Advertising Manager Chemical Bond (2014-present); Chair succession (2007–2009); Secretary (2002–2006); Director (2001); Alternate Councilor (1997-1999); Career Day co-organizer (2001-2011); Program Chair, ACS Midwest Regional Meeting (2000, 2011); Fundraising subcommittee chair (2008-2013); Surface Science Discussion Group chair (1993-1999); Materials Chemistry Discussion Group chair (2000); Saint Louis Award chair (1998-2000); Midwest Award chair (2003)



John-Stephen Taylor

John-Stephen Taylor, Professor, Department of Chemistry, Washington University in Saint Louis

Service to the Section: Coordinator, St. Louis Award (2015-present), St. Louis Award Winner (1993). Chair & Organizer, Biological Chemistry Section – Midwest Regional ACS Meeting (1990)

Saint Louis Award Symposium 2019 program

first published 27 August 2019

[Updated 13 Sep 2019 with final schedule of speakers.]

The 2019 Saint Louis Award Symposium, Friday, October 25, is sponsored by the Saint Louis Section of the American Chemical Society and the Food & Drug Administration, St. Louis.

Honoring

Dr. David Keire, 2019 Saint Louis Award Winner
Deputy Director, FDA/CDER Office of Testing and Research
US Food & Drug Administration
Academic and Research Building, Room 111
St. Louis College of Pharmacy
Saint Louis, Missouri 63110
Friday, Oct 25, 2019

Keeping it safe! Current Challenges in the Analysis of Food and Drugs

1:00 pm	Dr. Benjamin Barth , Associate Professor of Chemistry, Saint Louis College of Pharmacy, Immediate Past Chair of the St. Louis Section, American Chemical Society <i>Welcome and General Introduction</i>
1:05 pm	Dr. Larry Lee , Deputy Director, FDA/CDER Office of Testing and Research, Symposium Chair <i>Introduction and Salute to Dr. Keire</i>
1:10 pm	Dr. David Keire , Deputy Director, FDA/CDER Office of Pharmaceutical Quality Office of Testing and Research, Awardee <i>Assuring the Quality of the US Drug Supply: Analytics for Complex Drug Assessment</i>
1:50 pm	Dr. Cindy Buhse , FDA Office of Pharmaceutical Quality Surveillance <i>Drug Quality Surveillance Tools for a Global Market</i>
2:30 pm	Coffee break
2:50 pm	Dr. Nicole Koesdorf , Team Lead, NIP Analytical Laboratories <i>Vitamin D analysis in pet foods</i>
3:30 pm	Dr. Justin Sperry , Senior Director in Analytical R&D, Pfizer <i>Biotherapeutic Product and Process Understanding Through Advanced Analytical Technologies</i>
4:10 pm	Dr. Larry Lee , Subject matter expert, Budweiser Technical Center, Anheuser-Busch/Inbev <i>Systemic Solution of Following Problems</i>
4:50	Registration immediately follows
6:30 pm	Saint Louis Award Banquet , Glen Echo Country Club 3401 Lucas and Hunt Rd., Normandy, MO Reservations required (See link for more information and reservations.)

Venue information: See [campus map](#). Use the Childrens Place parking garage, 4531 Children's Place, St. Louis, MO 63110. Buzz the intercom and inform the attendant that you are attending the St. Louis Award Symposium.

The map also shows the Central West End Metrolink station, which is very convenient to the campus.

Grab your seat at the table: the 2019 Saint Louis Award Banquet

first published 27 September 2019

Updated 27 Sep 2019 with reservation information and final program details. Y'all come!

October 25, 2019, directly after the Saint Louis Award Symposium
Glen Echo Country Club • 3401 Lucas & Hunt Road, Saint Louis, MO 63121

6:00 pm cocktails (open bar), hors d'oeuvres
7:00 pm banquet
8:00 pm program

- Dr. Ben Barth, Immediate Past Chair, St. Louis Section—American Chemical Society
Opening Remarks and Award Presentation
- Dr. Larry Lee, Director FDA/CDER/OPQ Office of Testing and Research
Introduction of the Awardee
- Dr. David Keire, Deputy Director, FDA/CDER/OPQ Office of Testing and Research,
2019 ACS St. Louis Section St. Louis Awardee
Awardee Address: Keeping it safe! Advanced analytics for complex drugs

Please send reservations, including check, by October 21st to:

Jeffrey Cornelius
Department of Chemistry
1 Maybeck Place
Principia College
Elsh, IL 62028
phone: 618.374.5296; fax: 618.374.5122; email

Make checks payable to Saint Louis Section—ACS and include the information requested below. Alternatively, pay directly by [Paypal](#) and include the information requested below in the note window. For both methods of payment, please also send an email confirmation of the information to Dr. Cornelius.

Name(s) _____

Special dietary limitations, if any _____

Number attending () _____

_____ regular ACS members and spouses, \$30 each

_____ graduate and undergraduate ACS members, \$15 each

_____ non-members, \$60 each)

_____ = amount remittance \$ _____

For information on obtaining first-time ACS Membership and a discount offer connected to this event, contact Brent Znosko at 314-977-8367 or brent.znosko@slu.edu.

* Venue directions:

Glen Echo Country Club is in Normandy, in the southwest sector of the intersection of Natural Bridge Road and Lucas & Hunt Road. See [map](#). Use either entrance:

- Main entrance: drive turn west off Lucas & Hunt Road; Edison Avenue will be on the opposite side of the road almost adjacent to the entrance drive. Continue on the winding drive, and the parking lot will be on your right adjacent to the clubhouse.
- back entrance: turn south off Natural Bridge Road onto St Marys Lane, just east of the post office. Continue through the gate, veer right, and park in front of the clubhouse.

Upcoming CMA event: Inclusion and Culture in the Workplace

first published 31 August 2019

Submitted by the CMA Co-chairs Chanté Summers and Cynthia Chapple

On October 3rd at 6:00 p.m., The Committee for Minority Affairs (CMA) of the St. Louis ACS will be hosting our annual professional event – Inclusion and Culture in the Workplace. We are proud to have Dominic Dorsey from SLUE as the facilitator for this event.

CMA is energized to create a safe space for having open and honest discussions around people styles at work including how to tackle those sometimes difficult conversations with people from a different up-bringing, culture, or race. This free 2 hour event is open to the public. Doors open at 5:45, further information is in the flyer posted below.

St. Louis ACS – Committee for Minority Affairs presents:

INCLUSION & Culture in the workplace

Discussion led by Dominic Dorsey – SLUE Director of ACCESS

THURSDAY
OCT 3rd
2019

AT 6 PM
doors open at 5:45

Join us for group discussions centered on diversity and conflict resolution in the workplace.

Buder Commons • Maryville University
650 Maryville University Dr. • St. Louis, MO 63141

Direct inquiries to
cma@slu.edu or crn@slu.edu

Meeting & Seminars

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 vote on questions put to the Board; and others in attendance have voice but no vote.

If you want to attend for dinner, please contact the section Chair at least a week in advance. The usual cost of the dinner is \$20 (\$10 for post-docs and untenured 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: Oct 10

Seating: 7:00 pm banquet, 8:00 pm program

Call to order: 6:30 pm (Board Meeting suspended during dinner service)

Future meetings: Nov 14, Dec 12

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.

St. Louis College of Pharmacy

The Center for Clinical Pharmacology hosts a monthly seminar series in ARB 212 unless otherwise noted. For the most up to date information refer to the center's [seminar page](#) or contact [Jodi Hahn](#).

Saint Louis University
Seminars are generally on Fridays at 12 noon in Carlo Auditorium, Tegeler Hall, unless noted otherwise. Refreshments follow. For the most up-to-date information, refer to the department's [seminar page](#) or contact Brent Znosko, znosko@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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www.umsl.edu/chemistry

About the Chemical Bond

The *Chemical Bond* is published at www.stlacs.org January through May and September through December by the St. Louis Section–American Chemical Society. If you would like to receive email notification when each issue is posted, you can subscribe to our email list and join the "Chemical Bond members" group.

Correspondence, letters to the editor, etc., should be emailed to editor@stlacs.org or mailed % St. Louis Section-ACS, PO Box 4110192, Saint Louis, MO 63141-0192