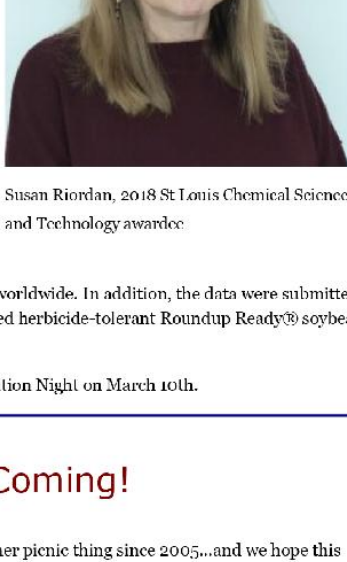


## Science and Technology awardee announced

first published 9 March 2018

We have a winner, indeed we do: the 2018 Saint Louis Chemical Science and Technology Award is proudly presented to Susan Riordan, team member in the Global Regulatory Science Department at Monsanto.

Susan's career can serve as an inspiration to others who develop an interest in the chemical sciences without a traditional undergraduate degree in chemistry. She received her Bachelor of Science degree in Business Administration/Operations Management, with emphasis in computer programming and data analysis from Missouri State University in 1983. She joined Monsanto Company in August of that year, and while at Monsanto she pursued post-graduate courses in chemistry, biology, statistics, epidemiology and FORTRAN and SAS programming. Her work in statistical programming and data analysis at Monsanto has resulted in 18 publications in peer-reviewed journals in the chemical sciences.



Susan Riordan, 2018 St. Louis Chemical Science and Technology awardee

Initially a programmer/analyst in the Epidemiology Department of the Environmental, Safety and Health Division of Monsanto, Susan developed and supported all departmental programming applications that included data analysis and reports on epidemiology studies. Susan and colleagues conducted a study of the incidence of cancer in manufacturing workers at the alachlor herbicide plant in Muscatine, Iowa and concluded that mortality from all causes combined was lower than expected and cancer mortality was similar to the state rate. In 2003 Susan received the Monsanto Excellence in Dialogue/Transparency/Respect Award for the "Farm Family Exposure Study". This study was a collaborative program between industry and academia designed to assess the exposure through bio monitoring of farm families to three pesticides: glyphosate, 2,4-D and chlorpyrifos. Both the alachlor epidemiology study and the farm family exposure study were published in the peer-reviewed literature.

In 1997 Susan moved to the Regulatory Statistics Team in Global Regulatory Science Department at Monsanto as a statistical programmer. She was a major contributor to the safety evaluation of Monsanto's new corn, soybean, and cotton crops with insect-protected and herbicide-tolerance traits. Susan managed the assembly and statistical analysis for the nutritional composition data of Monsanto's portfolio of crops conducted under the strict requirements of Good Laboratory Practices. This data was submitted to the US Food and Drug Administration and other regulatory agencies worldwide. In addition, the data were submitted for publication in peer-reviewed scientific journals. Susan was co-author for eight publications for products that included herbicide-tolerant Roundup Ready® soybean and corn, insect-protected corn and soybean, and SmartStax® corn.

We all extend our congratulations to Susan Riordan for her excellence. The award will be formally presented at Recognition Night on March 10th.

## Save the Date: the 2018 STL ACS Section Picnic is Coming!

first published 13 March 2018

Join us for the 2018 Summer Picnic! Chemists like a party as well as the next science nerd. We've been doing this summer picnic thing since 2005...and we hope this year will be great!

**Date:** Sunday July 8, 2018

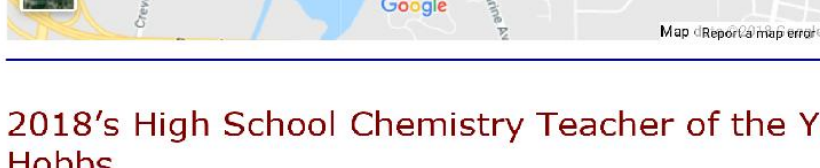
**Time:** 1-4 PM

**Location:** Creve Coeur Park Heldman Picnic Shelter

**Address:** 13750 Marine Ave, St. Louis, MO 63146

**Rsvp:** [here](#)

Look for the reservation under the name of Immediate Past Chair, Natalie LaFranzo. Bring a lawn game, your friends and family, and enjoy some BBQ and good company!



## 2018's High School Chemistry Teacher of the Year Awardee: Elizabeth Hobbs

first published 14 March 2018

Congratulations to Elizabeth Hobbs, winner of this year's High School Chemistry Teacher of the Year Award!

Elizabeth is a Biology, Chemistry and Physics Teacher at Washington High School in Washington, Missouri. She has a Bachelor's and Master's Degree from Truman State University. She has been the National Education Association President for the School District of Washington for the past 4 years.



Elizabeth Hobbs  
2018 High School Chemistry Teacher of the Year.

Elizabeth has been the sponsor of Science Club for many years and participates in the Mastodon Regional Arts and Sciences Fair. She has taken students and projects to the Intel International Science and Engineering Fair, the International Sustainable World (Engineering Energy Environment) Project Olympiad, and Genius Olympiad where they have won many special awards. She has also fielded teams for Central Methodist Science Quiz Bowl competitions.

Elizabeth is a member and current president of Washington National Education Association, a member of Science Teachers of Missouri (STOM), and National Science Teachers Association (NSTA). She has presented at the STOM conference the past 2 years, attended the ASM-Materials Science workshop in Kansas City, attended the Nuclear Science workshop at Mizou, and has attended regional and national NSTA conferences. Elizabeth is in her second year in the PhD in Curriculum and Instruction online program at Texas Tech, and had completed the 2nd level of Teaching and Learning for Technology Program offered by the district. She also has completed the Central Methodist M.Ed. in the middle grades professional development seminar and has attended the AP Biology and AP Physics summer training session from the Washington University PARC seminars.

Elizabeth enjoys working with her students on various science fair opportunities. She also runs yearly canoeing and kayaking trips to Meramec State park and last year canoeed 17 miles on this science club field trip. In her free time she enjoys spending time with her family at the Missouri Botanical Garden.

## Like Coffee? How about Cocktails? Come network!

first published 16 March 2018

In response to last year's member survey, Immediate Past-Chair Natalie LaFranzo is organizing monthly meetups for members and other local chemists. The goal is to meet with other chemists and learn about the St. Louis Local Section of the American Chemical Society. Not sure what you're paying membership dues for every year? Come talk about what you can do for you.

The next event is *Coffee with Chemists* on March 29th at Sacred Ground Cafe in Edwardsville. More information available by following the Meetup link.

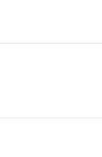
If you're not a morning person, how about *Cocktails with Chemists* on April 26th in the Barrel Room of Edgewild Restaurant and Winery in Chesterfield? Full details available at the link.

Rsvp through the Meetup links, all you need to bring is yourself and maybe some business cards. Information about future meet ups now live on the home page, bottom right hand side.

## We have winners, lots of winners (of the 2018 High School Chemistry Contest)

first published 19 March 2018

Talented and hopeful chemistry students from area high schools gathered on either March 9th or 10th to compete in the Saint Louis Section High School Chemistry Contest, administered at UM-Saint Louis.



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 an AP course); 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 breaking" section that consists of short-answer and essay questions.

Myron Reese, contest coordinator, has reported the results. It is good to see three different high schools (and teachers) represented in the top five places of the Advanced Division this year, and two additional schools among the Honorable Mentions. St. Louis University High appears this year among the Regular Division, for the first time in a long while. We welcome them, and hope to see them among the Advanced Division winners next year.

Congratulations to all of the 2018 winners, listed below, and to their teachers. All are invited to Awards Night, April 9th, 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.

Regular Division			
For students taking their first year of a chemistry class, other than AP chemistry			
Place	Student	School	Teacher
1st	Rafael Brent	John Burroughs School	Eric Knispel
2nd	Juanyi Su	Clayton High School	Brod Krone
3rd	Tina Chen	John Burroughs School	Eric Knispel
4th	Ami Zhang	John Burroughs School	Eric Knispel
5th	Zacharia Hadji	Clayton High School	Brod Krone
HM	Andrew Lee	Parkway Central High School	Bethi Karfo
HM	Kevin Koltzauer	Clayton High School	Brod Krone
HM	Shelci Fan	Ladue Horton Watkins High School	Sarah Barton
HM	Penny Zhou	John Burroughs School	Eric Knispel
HM	Daniel Gatewood	St. Louis University High School	Mary Russo
HM	Bony Liu	Clayton High School	Brod Krone
HM	Myles McCarthy	Clayton High School	Brod Krone
HM	John Wang	Clayton High School	Brod Krone
HM	Yifei Cheng	St. Louis University High School	Mary Russo
HM	Chris Jiang	St. Louis University High School	Mary Russo
Advanced Division			
The Advanced Division, for students taking a second year of chemistry or an AP chemistry class, is a qualifying round for the National Chemistry Olympiad. No more than two students may qualify from a single school.			
1st	Tong Zhao	Clayton High School	Nathan Peck
2nd	Alexander Demov	Mary Institute Country Day School	Kelly Anderson
3rd	Jason Yuan	Clayton High School	Nathan Peck
4th	Jerry Zhang	Marquette High School	Cathy Farrac
5th	Justin Grubik	Clayton High School	Nathan Peck
HM	David Corbo	Clayton High School	Nathan Peck
HM	Sau Kwon	Clayton High School	Nathan Peck
HM	Honglai Jiang	Clayton High School	Nathan Peck
HM	Marissa Lewis	Clayton High School	Nathan Peck
HM	Christopher Ye	Ladue Horton Watkins High School	Sarah Barton
HM	Charles Lufmann	Ladue Horton Watkins High School	Alyson Levine
HM	Areeba Khan	Clayton High School	Nathan Peck
HM	Anna Lu	Ladue Horton Watkins High School	Alyson Levine
HM	Sujay Murali	Marquette High School	Cathy Farrac
HM	William Vestal	Westminster Christian Academy	Andrew Shaw
HM	honorable mention		

## And more winners: these of the Outstanding Junior Chemistry Student awards

first published 26 March 2018

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 9.

### Outstanding Junior Chemistry Student Awards, 2018

College or University	Student
Greenville College	Emily Goffner
Lindenwood University	Jennifer Holbrook
Saint Louis University*	Holly Kleischmidt
Washington University*	Emily E Morgan
Southern Illinois University-Edwardsville*	Samantha Olszofski
University of Missouri-St. Louis*	Alan T Schabel
Marquette University	Alexandria L Spurgeon

\* ACS-approved programs

## First Minority Affairs event a success, with more on the way!

first published 28 March 2018

The minority affairs committee held its first happy hour of the year on February 20th at SOHA bar and grill. This opportunity allowed diverse professional from many industries to gather and connect. Disappointed you missed the good food and new friends? No worries, we have more events coming. One in April, in fact!



Cynthia Chapman, Curtis Summers, Ruthie Mathews, Seth Haynes and Valence Anogoch

The minority affairs committee is excited to announce our 1st professional development event, a live webinar and discussion around the topic of "Diversity Within the Chemical Sciences."

**When:** April 24, 2018

**Where:** Cafe Vietnam

**Address:** 3919 West Pine Blvd

**Location:** Saint Louis, MO 63108

**Rsvp:** [Click here to respond](#)

**More questions?** Contact Cynthia Chapple

## Nomination procedure for 2019 officers explained

first published 31 March 2018

In the next few weeks, you will receive a notice from Survey Monkey about nominations for the 2018 election in which officers are elected for terms beginning in 2019. Please consider nominating one or several of your talented colleagues to participate in the governance of the local section and contribute to the building excitement in the local chemistry community.

If you would prefer not to use Survey Monkey, you can send this pdf to the section secretary by email ([rohns@stlacs.edu](mailto:rohns@stlacs.edu)) or you can print the ballot and mail it (Henry Rohns, 440 South Gore Avenue, Webster Groves, MO 63119).

Please keep in mind that you should only one method to nominate people: the SurveyMonkey link, e-mailing the PDF to Henry, or mailing Henry.

## Report from the 2018 Recognition Dinner

first published 31 March 2018

One of our signature events of the year is our Recognition Night. We take this opportunity to honor our local members who have made significant contributions through a lifetime of membership in the ACS, through significant contributions to the Local Section, and to the field of chemistry within our Local Section. This year, we gathered on March 10, at Pastaria in Clayton for our celebration.



Eric Bruton Receives the Distinguished Service Award

Dinner was preceded by a lively social hour. After dinner, current Chair Ben Beth welcomed everyone and recognized the past and present officers of the section in attendance. Ron Parnham and Bill Booth were presented with 50+ Year Awards, and Will Ridley was awarded a Salute to Excellence. The Distinguished Service Award went to Eric Bruton, and Susan Riordan received the Chemical Science and Technology Award. After dinner, the 2016 Chair, Joe Ackerman, gave a rousing after-dinner talk.

# 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; 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. 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:** April 12  
**Social hour, cash bar:** 6:00 PM  
**Call to order:** 6:30 pm (Board Meeting suspended during dinner service)  
**Future meetings:** May 10

**Marquette 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, 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, [znoskob@slu.edu](mailto:znoskob@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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The Department of Chemistry and Biochemistry at the University of Missouri-St. Louis announces

The Twenty-first Annual Robert W. Murray Lecture

**Lucy M. Ziurys**

Professor of Chemistry and Biochemistry  
 Professor of Astronomy, The University of Arizona  
 Former Director, Arizona Radio Observatory  
 will speak on

*Chemistry Among the Stars: The Unexpected Molecular Environment Beyond Earth*

Monday, April 23, 2018  
 Room 104 Stadler Hall

**UMSL** Further information about the talk and the speaker will be available soon here.  
 Parking is available in the West Drive parking garage.

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