

THE MIDLAND CHEMIST

A publication of the Midland Section of the American Chemical Society

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Contents

| | |
|---|----|
| Chair Column | 1 |
| Day in the Life of an Industrial Scientist, January 27 | 3 |
| Dow's Scott T. Wills Named 2024 Recipient of the ACS Award for Encouraging Underrepresented and Economically Disadvantaged Students into Careers in the Chemical Sciences | 4 |
| ACS Spring 2024 Meeting and Exposition, March 17-21..... | 5 |
| Legacy Center Seeks Barton Literacy Tutors..... | 6 |
| Announcing the 2024 Spring Awards Recognition Banquet and Call for Nominations | 8 |
| Call for Nominations: 2024 Teaching, Volunteer, Education, and Chemical Sciences Awards..... | 9 |
| Previous Recipients of Midland Section ACS Awards..... | 13 |
| ACS National Awards for 2024–2025 Nomination | 18 |
| Midland Section Recipients of National, Division, and Regional ACS Awards | 20 |
| Erratum – Misattributed Recipient of 2003 Science Education Volunteer of the Year Award..... | 22 |
| 2023 <i>Midland Daily News</i> Citizen of the Year Finalist: Gina Malczewski | 23 |
| Gina Malczewski Nominated for Midland Section ACS Outreach Volunteer of the Year | 24 |
| ACS Fall 2024 Meeting and Exposition – Abstract Submission Deadline, April 1 | 25 |
| Summary Report on the 2023 Fall Scientific Meeting..... | 26 |
| Upcoming Dates, Events, and Other Updates | 28 |

Chair Column

Erin Vogel, Chair, Midland Section ACS



Dear Faithful Readers,

At the start of a new year, I think it is important to stop and reflect on the WHY behind what we do. Sometimes we become so busy and in a routine that we forget why we signed up for something in the first place. This can bring us to a spot where the why and what of what we do are not aligned, causing us to lose our passion and focus. However, as Simon Sinek says, “When a WHY is clear, those who share that belief will be drawn to it and maybe want to take part in bringing it to life . . . and when a group of believers all rally around a common purpose, cause or belief, amazing things can happen.”¹ So WHY do we engage in science? Why do we continue to pursue advances in our fields? Why do we volunteer in organizations such as the American Chemical Society (ACS)? What is my WHY?

To answer this, let me start by introducing myself. My name is Erin Vogel, and I am serving as your 2024 Chair of the Midland Section of the ACS. I am a Michigan native growing up in Grand Rapids. I first fell in love with chemistry in 11th grade, when my AP Chemistry teacher, Ed Riekema, opened my eyes to the world of chemistry. Through making chromatography pictures for my locker, seeing liquid metal (can you believe they still allowed mercury in the classroom in the late 90s!), lighting a chalkboard on fire with acetone, and showing how much of the natural world could be explained through chemistry, I knew I wanted to learn more. When I started my undergraduate studies at Calvin College (now Calvin University), I immediately enrolled in chemistry and education programs with the goal of teaching high school chemistry. Throughout my time at Calvin, the small department size allowed me to get to know my professors and my professors to get to know me very well. By the time I was in my junior year, many of my professors (including my esteemed mentor, Larry Louters) started encouraging me to look at graduate schools. However, since my eyes were set on the goal of teaching high school science, I said I appreciated their thoughts, but I had other plans.

After graduating, I accepted a job teaching high school chemistry, biology, and physical science. Serendipitously, I ended up teaching at a school with the wife of one of my chemistry professors. During this year, she continued encouraging me to at least consider going to graduate school (“Erin, you are a great teacher, but you would LOVE research,” she would say). So, a very long story short, I decided to check out the Organic Chemistry program at Michigan State University. During my visit, I met my future graduate advisor who shared some of the things I could do with a Ph.D. in Chemistry.

I decided to start at MSU the following fall, eventually joining Dr. Greg Baker’s lab. Having previously worked in industry, he helped me see how chemistry can make a difference in our everyday lives and solve problems that mattered to our world. After four years at MSU, I accepted a job at Dow in Midland as a polymer chemist in Dow’s Core R&D group. After three years in Core, I moved to the Industrial Coatings R&D group within Dow’s Coating Materials Business where I have been developing new polymers for Industrial Coating applications such as metal protection, durable traffic paints, and barrier coatings for paper packaging applications. It is in this space that my passions overlap, and I can solve problems that I believe are important for protecting people and the planet. In addition to my passion for chemistry, I am also passionate about supporting women and minorities in science. I lead our global Diversity, Equity, and Inclusion (DEI) group for three businesses in our envelope and I am active in the Midland Public Schools.

So, what is my WHY? I am a chemist because I want to develop products and solutions that will leave the world a better place for my daughters and their generation (my husband and I have three beautiful daughters, two in elementary school and one in middle school). I want to see them have the opportunity to work in a STEM field that embraces and values diverse voices. I desire to have people from different backgrounds, perspectives, and experiences represented on our teams, all working together, to solve the world’s most pressing problems. I continue in chemistry because I LOVE nature and the natural world, and I want future generations to be able to experience and enjoy the planet that we seek to protect. Lastly, I hope to inspire others and be the ‘Ed Riekema, Larry Louters, or Greg Baker’ for them in their life.

This year I am hoping to use this column to allow others to share their WHY by highlighting the passion and experience of those in our field. Although my voice will take a backseat, I am sure you will not be disappointed. By the way, what is your WHY?

¹Sinek, S. *Start with Why: How Great Leaders Inspire Everyone to Take Action*; Penguin Books, 2009.

Day in the Life of an Industrial Scientist, January 27
Kim Dinh, Diversity & Inclusion Committee, Midland Section ACS

ACS
Chemistry for Life®

**Day in the life
of an industrial scientist**
2nd edition

**Mid-Michigan
AIChE®**

Problem solving challenge, poster session, and networking!

Who:
Students pursuing a
STEM major

When:
Saturday January
27th, 2024
9 AM – 3 PM

Where:
Midland Center for
the Arts
1801 W St Andrews Rd, Midland, MI 48640

Free Event!
Breakfast, lunch and snacks provided
Local transportation subsidized or provided
Registration required (use QR code)

Volunteers Needed!

Be a mentor at Day in the Life of an Industrial Scientist

Network, collaborate on a problem-solving challenge, and discuss your career.

Saturday, January 27, 2024, 9 am – 3 pm
Midland Center for the Arts

Sign up or questions: diversity@midlandacs.org



Dow's Scott T. Wills Named 2024 Recipient of the ACS Award for Encouraging Underrepresented and Economically Disadvantaged Students into Careers in the Chemical Sciences
Hunter Woodward, Past Chair, Midland Section ACS

Scott T. Wills was recently selected as the 2024 recipient of the [ACS Award for Encouraging Underrepresented and Economically Disadvantaged Students into Careers in the Chemical Sciences](#), a National ACS award that only has [one recipient per year](#).

Scott was recognized for his passion, leadership, and tireless advocacy for diversity and opportunities for scientists with disabilities through his partnership with the National Technical Institute for the Deaf (NTID).

“Scott’s recognition by the ACS is a proud moment for him and for Dow,” said Rui Cruz, Vice President of Core R&D for Dow. “He has shown remarkable dedication and notable achievements in inspiring students and employees with disabilities to choose careers in the chemical sciences and engineering.”



Scott T. Wills

Scott has been engaged in campus recruiting at NTID since 2011. He has had a tremendous impact by creating unique opportunities for deaf/hard-of-hearing students in the chemical industry. He has been part of the NTID National Advisory Group and has provided guidance on the educational background and achievements that are important for their students to attain successful careers in the chemical industry.

Editor's note: Scott's profile for this distinguished National ACS award recently appeared in the January 8, 2024, issue of *C&EN*, (Vol. 102, No. 1, p. 34). That profile information is reprinted here for completeness about Scott and his recent award.

Sponsor: Camille and Henry Dreyfus Foundation

Citation: For his passionate efforts as a champion in the chemical industry for deaf and hard-of-hearing students in science, technology, engineering, and mathematics

Current position: R&D staffing leader, Dow

Education: BS, chemistry, University at Buffalo; PhD, analytical chemistry, University of North Carolina at Chapel Hill

Wills on his most memorable project: “It was an exploratory project in the liquid chromatography lab. This was the first project I did with an intern from the National Technical Institute for the Deaf. We proved that you don’t need to be fluent in American Sign Language to work successfully and safely with a deaf coworker. Communication goes far beyond the spoken word, and we learned that we could accomplish our technical goals relying only on the many nonverbal forms of communication.”

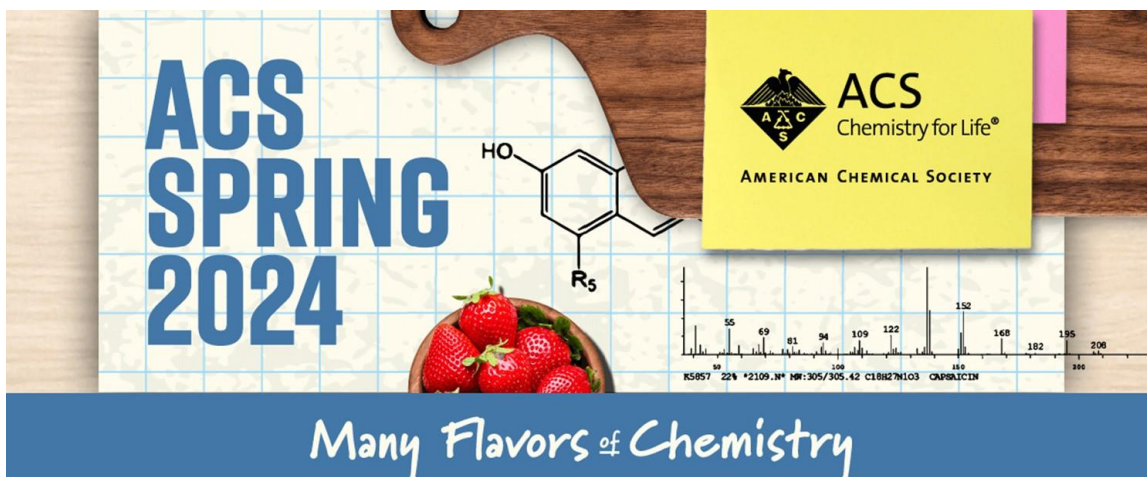
What Wills's colleagues say: “Scott was instrumental in growing Dow’s internship program with the National Technical Institute for the Deaf from four deaf and hard-of-hearing interns in 2011 to a total of 55. He has encouraged and inspired our students and often offers guidance to the interns long after they

have finished their Dow internship.” – Gerard J. Buckley, National Technical Institute for the Deaf, Rochester Institute of Technology

ACS Spring 2024 Meeting and Exposition, March 17-21

Steve Keinath, Co-Editor, *The Midland Chemist*

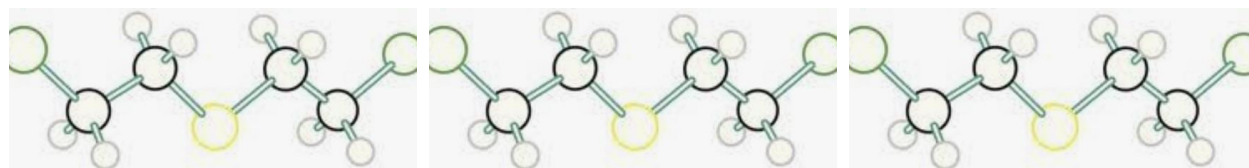
Editor's note: The information contained in this article is reprinted, in part, from material provided in an email message posted to all ACS members, dated January 18, 2024.



Register now and join us March 17-21, 2024, for ACS Spring 2024! We'll be in-person in **New Orleans, Louisiana** at the **Ernest N. Morial Convention Center** or virtually across the globe. The meeting theme, **Many Flavors of Chemistry**, will be at the core of programming for the hybrid event.

The **Schedule Overview** is available for you to explore the overall meeting schedule. Check out the time blocks for hybrid, in-person, poster, and live virtual technical sessions along with **Career Development** and the Expo featuring **Career Navigator LIVE!** information. You can also find the **Student Programming** and the **Teacher Programming** online.

New for ACS Spring 2024 – The **Global Virtual Symposia** is a new programming opportunity for presenters and audiences to participate in ACS Meetings & Expositions virtually and across many time zones. While in-person participants and general programming will be set to local time in New Orleans, LA (CT, GMT-5), select symposia will be set to daytime hours in Asia, Africa, Europe, the Middle East, and Latin America. Global Reach, Local Time!



Legacy Center Seeks Barton Literacy Tutors

Kathryn Tate, President and CEO, The Legacy Center for Community Success, Midland

The Legacy Center for Community Success helps learners of all ages overcome barriers to educational success through one-on-one tutoring in reading, math, and English as a second language. As a nonprofit, we aim to provide high-quality, evidence-based tutoring to our community at little to no cost to our learners. This means that tutoring is accessible to anyone who needs it, regardless of their ability to pay a private tutor. We do this by utilizing trained volunteer tutors. Our volunteers spend two hours per week with their learners.

The Legacy Center currently has 135 tutors who work with more than 150 learners. Yet, we have nearly 80 people waiting to be matched with a volunteer tutor across our programs. For a variety of reasons, our wait lists have increased roughly three-fold since 2020. We are seeking new volunteer tutors. We provide volunteers with all the training and resources they need to be successful.



The following testimonial from Bridget Connor, a Barton literacy tutor, shares more information about tutoring and how it can change a life.

Bridget Connor – Volunteer Barton Literacy Tutor

Prior to becoming a tutor with the Legacy Center, I volunteered with a number of other organizations in the area. While I enjoyed this volunteer work, it mostly just felt like one-off efforts to help organizations with specific short-term needs. What brought me to the Legacy Center was the opportunity to do volunteer work that felt more like a long-term project that I could really invest myself in and take ownership of. It was hard for me to decide which of the great tutoring programs at the Legacy Center to pick because each had a different appeal to me. I ended up choosing to tutor for the Barton Reading Program because (1) I wanted to help a student struggling in what I think is the most fundamental skill for success in school and (2) I figured I could stand to learn a thing or two about the English language.

I have been a tutor with the Legacy Center for one year and it has been a rewarding and enjoyable experience in many ways. While day-to-day progress seems slow, when I think back to where my student started, I can clearly see the progress she's made, and that is very motivating to me. I've also enjoyed building a relationship with my student and it's been an interesting challenge for me to figure out what makes her tick and how to keep her engaged in our lessons. Even at the end of a workday that's left me exhausted, I often find tutoring time to be a nice little pick-me-up perk.

I'm also grateful for the personal growth opportunities that have come out of my time tutoring. Coming into this experience, I had some uncertainty about how I'd do as a teacher for a school-aged kid, never having had this experience before or having had many opportunities to work with kids in general. Over my first year of tutoring, I've learned a lot about how to more effectively work with my student and have gained confidence in my abilities as a tutor. I've felt very supported by the staff at the Legacy Center throughout this learning process – from advice about how to be a better tutor to last-minute scheduling changes, they've been there to help me out.

We invite you to join Bridget and become a tutor! Want to know more? Contact the Legacy Center at 989-496-1425 or tlc4cs@tlc4cs.org. You can also learn more about becoming a tutor at <https://www.tlc4cs.org/new-tutors/>.

Added note: Bridget Connor grew up on a small farm near Albuquerque, New Mexico. An interest in science took her to California where she obtained a BS in Chemistry from Caltech followed by a PhD in Chemistry from Stanford. She moved to Michigan in 2020 for a job at Dow Chemical where she is currently an Associate Research Scientist focusing on environmental remediation and heterogeneous catalyst development. Outside of work, Bridget enjoys being active and being outside. She spends a lot of time exploring Michigan by hiking, biking, and backpacking and enjoys playing sports including ultimate frisbee and curling.



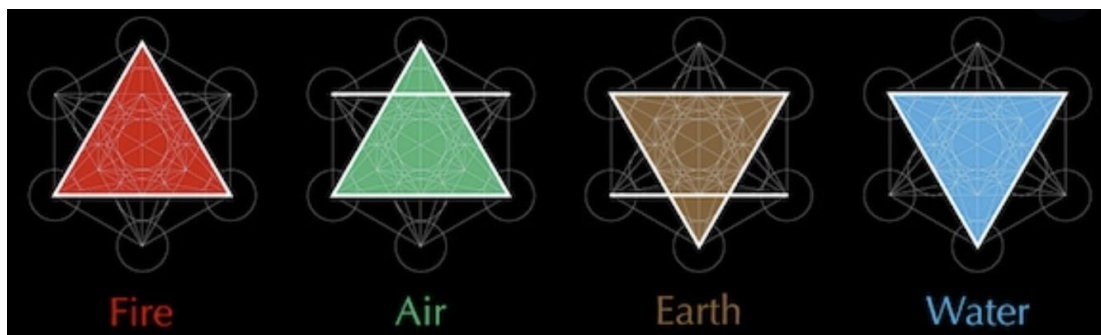
CHANGE A LIFE

B E C O M E A T U T O R

In just 2 hours per week, you can teach someone to read, do math, or speak English.

VOLUNTEER TODAY!

www.tlc4cs.org/new-tutors/



Announcing the 2024 Spring Awards Recognition Banquet and Call for Nominations

Wendy Flory and Tami Sivy, Awards Committee Co-Chairs, Midland Section ACS

The 33rd annual American Chemical Society-Midland Section Spring Awards Recognition Banquet is scheduled for Wednesday, May 1, 2024, at the Great Hall Banquet & Convention Center in Midland. Please consider taking a moment to read about the awards that are open for nominations and consider nominating a worthy peer. Details of the program, including the featured speaker, are still being finalized. Watch for the *Midland Chemist* March issue for all the information and how you can register to attend.

The awards program is about recognizing outstanding educators, volunteers, and colleagues that you have graciously taken the time to nominate. The awards banquet is a great way to connect with others in the industry, those who have gone before us, those who teach the next generation, and those who will be following in our footsteps. Please consider joining us on Wednesday, May 1. We continue with the goal of having outstanding students from all area high schools and universities/colleges recognized, and to have a nominee for each award offered this year. Please help make this happen as there are very deserving people in every category!

The process of nominating is very easy. The minimum submission criteria for nominations are a quality nominating letter extolling the virtues of your nominee and supporting the criteria of the award, along with one supporting letter of recommendation, two are even better (outstanding high school and collegiate student awards require only the nomination form submitted by the appropriate chemistry teacher or department head). The letter must state why the nominee is deserving of the award with specific examples of professional involvement/growth, contributions to industry, and outside affiliations. It is highly recommended that the nomination includes a publications and patent list where applicable. Additional letters of support can come from students, parents, community members, and/or administrators. An example nomination letter can be requested from the awards committee co-chairs via email.

Consider getting your colleagues together for lunch and putting together a nomination packet. If you are in a managerial role and are worried about favoritism, consider nominating two to three qualified persons (you will remain anonymous, if requested, and nominations are considered for three years). If you would like to be considered for an award, there is the option to self-nominate. If you are a parent, consider nominating your child's outstanding science or chemistry teacher, or a science volunteer you know. It takes less than an hour to put together an award-winning letter and an additional 15 minutes soliciting supporting letters. Think of what it will mean to that person and how good you will feel about your generous deed.

Previous award recipients are listed at the end of this article (see pages 13 to 17) as nominees must not have received the award that they are being nominated for within the past ten years. Nominations not meeting the minimum requirements, and submissions received after the **Sunday, March 24, 2024, deadline**, will not be considered.

Please reach out if you have any questions to Wendy Flory (wcflorey@dow.com) or Tami Sivy (tsivy@svsu.edu), Midland Section ACS Awards Committee Co-Chairs.

Call for Nominations: 2024 Teaching, Volunteer, Education, and Chemical Sciences Awards *Wendy Flory and Tami Sivy, Awards Committee Co-Chairs, Midland Section ACS*

The Midland Section of the American Chemical Society presents awards to recognize outstanding achievement in the chemical sciences each year. Nominations for the 2024 awards are invited for the following areas:

- Outstanding Achievement: Elementary Level Science Teaching
- Outstanding Achievement: Middle Level Science Teaching
- Outstanding Achievement: High School Chemistry Teaching
- Outstanding Achievement: College Chemistry Teaching
- Science Education Volunteer of the Year
- Outstanding Achievement in the Promotion of Diversity in Chemistry, Related Sciences, and Engineering
(Not offered this year; awarded every other year)
- Outstanding Achievement and Promotion of the Chemical Sciences
- Outstanding Service to the American Chemical Society
- Outstanding Chemical Technician
- Outstanding High School / College Chemistry Students
- Team Innovation Award

Outstanding Science / Chemistry Teaching Awards

Candidates for the teaching awards must be educators at schools in the five-county geographical area of the Midland Section: Bay, Gratiot, Isabella, Midland, and Saginaw Counties. One candidate will be recognized for their teaching contributions in each of the following categories: Elementary Level, Middle Level, High School, and College.

Science Education Volunteer of the Year

The Science Education Volunteer of the Year award is presented to an individual who makes a substantial contribution to science learning in the Midland Section through voluntary efforts.

Outstanding Achievement in the Promotion of Diversity in Chemistry, Related Sciences, and Engineering (Not offered this year; awarded every other year)

This award recognizes a person or group residing in Midland, Bay, Saginaw, Isabella, or Gratiot County for outstanding achievement in enhancing the participation of under-represented groups in the study of chemistry, related sciences, and engineering. The nomination must come from a Midland Section ACS member. The criteria for this award include teaching, mentoring, serving as a role model, and active and sustained participation in organizations that support diversity which have had a demonstrable impact on the promotion of diversity in chemistry, related sciences, and engineering. Members of the Midland Section ACS Diversity and Inclusion Committee are ineligible to receive this award.

Outstanding Achievement and Promotion of the Chemical Sciences

Each year the Midland Section honors an individual residing within the Section's geographical area who has demonstrated outstanding achievement and promotion of the chemical sciences. This award recognizes dedication and service to the chemical profession, but the recipient need not be an ACS member. **The deadline for nominations is Sunday, March 24, 2024**, so that the Midland Section ACS Board can reach a decision at their April Board meeting.

Outstanding Service to the American Chemical Society

The Section sponsors an annual award to recognize outstanding service to the Midland Section of the ACS. This award recognizes achievement in the promotion of the goals and objectives of Society. Nominees shall be members of the Midland Section. Nominations should include a history of service to the Midland Section and supporting letters from fellow ACS members.

Outstanding Chemical Technician

The Section presents an annual Outstanding Chemical Technician Award to an individual who has demonstrated an extremely high degree of professionalism as a chemical technician. Nominees must have worked for five years as a chemical technician, or in a related field, and whose primary job includes conducting experimentation or correlating information to help solve chemical problems or discover new chemical knowledge. The nominee must have successfully completed a two-year post-high school level chemistry curriculum leading to an associate degree, the equivalent course in a baccalaureate program, or equivalent experience. Chemical technicians do not need to be an ACS member to be eligible for this award. Nominations should include outside affiliations. *Request the National ACS nomination form from the awards committee co-chairs to nominate in this category.*

Outstanding High School / College Chemistry Students

The Awards Committee also recognizes outstanding chemistry students at the high school and collegiate levels. Those students should be selected by their respective departments, and their names forwarded to the Awards Committee using the form attached to this call for nominations (see page 12). One selection per school; no supporting letters are needed. **The deadline is Sunday, March 24, 2024.**

Team Innovation Award

Up to three awards per year recognizing the teams responsible for successful, commercialized product or process innovation taking place in the Midland Section area within the current or previous two calendar years. One award will be reserved for organizations with less than 300 employees. ACS membership is not required. Nominations will be judged on inventiveness, impact (economic, environmental, societal), and connection to the Great Lakes Bay Region. Work done outside the area will be considered provided that the contributions of Midland area-based team members are significant. Press releases or other public announcements are expected to be included with the nomination packet for commercialized products or processes (support letters from company leadership will be accepted in lieu of press releases). A \$60 submission fee is required for each team innovation award nomination.

Recipients of all awards will be selected by the Awards Committee with the exception of the Outstanding Achievement and Promotion of the Chemical Sciences award which is submitted to the Midland Section ACS Executive Committee for approval. Nominators should write a letter indicating the award and describing the attributes of the candidate.

The deadline for all nominations is Sunday, March 24, 2024. Nominations not meeting the minimum requirements, and submissions received after the March 24 deadline, will not be considered. Mail or fax submissions are acceptable; *electronic (email) submissions are preferred.* All submissions must be accompanied by the name, position, address, and phone number of the nominator.

Award recipients as well as Chemistry Olympiad winners, National Chemistry Week Poem Contest winners, and Fifty/Sixty/Seventy Year ACS Members will be honored with certificates or plaques and featured in an article in the *Midland Chemist*.

The Awards Committee greatly appreciates the efforts involved in nominating someone and wishes to thank you for helping to recognize deserving students, colleagues, and educators in our local section. Please pass this information along to anyone involved in our local science programs!

The National ACS has many great awards available as well. The links to the web addresses where you can find the list of awards and the criteria for nomination are listed on pages 18 to 20. Now is the time to begin nominations for National ACS awards for 2024-2025 as most annual reviews have a deadline of around November 1, 2024.

For more detail on any award, please contact Wendy Flory (wcflory@dow.com) or Tami Sivy (tsivy@svsu.edu), Midland Section ACS Awards Committee Co-Chairs.





American Chemical Society – Midland Section

Nomination Form for 2024 Outstanding High School / Collegiate Chemistry Student

(Note: One nominee per school, please)

Dept. Chair or other Nominator: _____

Telephone number: _____

Email address (required): _____

School: _____

Student's name: (Mr./Ms.) _____
(Indicate) (Please print legibly)

Home address: _____

Telephone number: _____

Email address (required): _____

Student's career/postgraduate plans (if known):

Please return this form to the following addresses no later than **Sunday, March 24, 2024**:

Wendy Flory (wcfloxy@dow.com) or Tami Sivy (tsivy@svsu.edu)
Midland Section ACS Awards Committee Co-Chairs

Previous Recipients of Midland Section ACS Awards

Wendy Flory and Tami Sivy, Awards Committee Co-Chairs, Midland Section ACS

Elementary Level Science Education

1992 Karen Ziemelis
1993 Lela Wade
1994 Constance A. Dullock
1995 Joan Kloplic
1996 Mark Hackbarth
1997 Denise Kopleberger, Cheryl Ruthig
1998 Barbara McGivern
1999 John Clark
2000 Sue Burtch, Robin Harshman-Rogers,
Vicki Richard, Clare Jorgensen
2001 Cathy Egerer, Amy Hindbaugh-Marr
2002 Maureen Becker
2003 Leon Katzinger
2004 Joan Roels
2005 Curt Moses
2006 Robin Allen
2007 Diane Huckins
2008 Rachel Pappas
2009 No Recipient
2010 No Recipient
2011 Beth Quimby
2012 No Recipient
2013 No Recipient
2014 No Recipient
2015 Molly Kelsey
2016 No Recipient
2017 Rebecca Field
2018 Suzanne Billette
2019 Nicole Roberts
2020 Amy Crosby
2021 No Recipient
2022 Lori Hall
2023 Julee Dillon

Middle Level Science Education

1992 Derrell Steffen
1993 Laurie Hepinstall
1994 JoAnn Kraut
1995 No Recipient
1996 Barbara J. Bibbee
1997 Gary J. Johnson
1998 No Recipient
1999 No Recipient
2000 No Recipient
2001 No Recipient
2002 Joel Mikusko
2003 No Recipient
2004 Christine Brillhart
2005 No Recipient
2006 Matthew Miller
2007 John Hoving
2008 Mark Koschmann
2009 Carla Piazza
2010 Melinda Coyle
2011 Jennifer Lenon
2012 Jayme Swanson
2013 John Barnes
2014 No Recipient
2015 Mark Hackbarth
2016 No Recipient
2017 Allison Vandriessche
2018 No Recipient
2019 Darci Merillat
2020 No Recipient
2021 No Recipient
2022 Michael Graves, Megan Konkol,
Jennifer Lehman, Victoria McPeak,
Rebecca Stinson
2023 No Recipient

High School Chemistry Teaching

1989 Robert Wallace
1990 Gary Ronk
1991 No Recipient
1992 John Clark, Edna Konwinski
1993 Mary Irons
1994 Jo Ann Pelkki
1995 No Recipient
1996 Sandra Schafer
1997 Mary Fredell
1998 Dale Ressler
1999 Robert Enszer
2000 Steven Kelly
2001 William Stokes
2002 Robert Hansen
2003 No Recipient
2004 Doug Grezeszak
2005 Pamela Thompson
2006 Daniel Sealy
2007 No Recipient
2008 No Recipient
2009 Nancy Vossen
2010 Sandra Schafer
2011 David Allan
2012 David Bruessow
2013 Tom Short, Sarah Beery
2014 No Recipient
2015 Jeff Yoder
2016 Lisa Parsons
2017 Kenneth Quackenbush
2018 Jason Brown
2019 Rick Cahoon
2020 No Recipient
2021 No Recipient
2022 Jessica Schwarz
2023 Brian Reinhardt

College Chemistry Teaching

| | | | | | |
|------|-------------------|------|--------------------|------|---------------------|
| 1989 | Joan Sabourin | 2004 | Katherine Blystone | 2019 | Jeffery A. Turk |
| 1990 | Bob Howell | 2005 | Ronald Sharp | 2020 | Choon Young Lee |
| 1991 | Robert Kohrman | 2006 | Arthur G. Smith | 2021 | Janice Hall Tomasik |
| 1992 | Scott Hill | 2007 | Cynthia N. Peck | 2022 | Tami Sivy |
| 1993 | Ajit Sharma | 2008 | No Recipient | 2023 | No Recipient |
| 1994 | Laura Vosejka | 2009 | No Recipient | | |
| 1995 | George Eastland | 2010 | Anton Jenson | | |
| 1996 | Martin Spartz | 2011 | No Recipient | | |
| 1997 | Philip Squattrito | 2012 | David S. Karpovich | | |
| 1998 | Thomas Delia | 2013 | No Recipient | | |
| 1999 | Steven E. Keinath | 2014 | David Baker | | |
| 2000 | James Hutchison | 2015 | Estelle Lebeau | | |
| 2001 | Sandra Smith | 2016 | Angela McGuirk | | |
| 2002 | Margaret Hill | 2017 | Joel & Nancy Dopke | | |
| 2003 | Dale Meier | 2018 | No Recipient | | |

Science Education Volunteer of the Year

| | | | | | |
|------|----------------------------------|------|----------------------------|------|-----------------|
| 1992 | Gregg Young | 2006 | Tom Chamberlin | 2020 | Michelle Rivard |
| 1993 | Peter Bonk | 2007 | Teri Bickmore, Cal Goeders | 2021 | Brett Zimmerman |
| 1994 | Peter Moehs | 2008 | Tim Drier | 2022 | Dale LeCaptain |
| 1995 | Gretchen Kohl | 2009 | Dave Stickle | 2023 | Diana Deese |
| 1996 | John Blizzard, Richard Van Effen | 2010 | Lisa Thackery | | |
| 1997 | Marvin Tegen | 2011 | Charles & Barbara Roth | | |
| 1998 | Carlton Beyer | 2012 | Estelle Lebeau | | |
| 1999 | William Albe | 2013 | No Recipient | | |
| 2000 | Karol Childs | 2014 | Charles Nielsen | | |
| 2001 | Donald Petersen | 2015 | Gina Malczewski | | |
| 2002 | Joan McMahon | 2016 | Dennis Klipa | | |
| 2003 | Charles Roth | 2017 | Nalayini Kogulan | | |
| 2004 | Jan Zanyk | 2018 | Wendell Dilling | | |
| 2005 | Eldon Graham | 2019 | Jennifer Reil | | |

Outstanding Achievement in the Promotion of Diversity in Chemistry, Related Sciences, and Engineering

| | | | | | |
|------|----------------------------------|----------------------------|---------------------------|------|-----------------------|
| | | (Awarded every other year) | | | |
| 2002 | George Gant, Richard Stringfield | 2012 | Linneaus Dorman | 2022 | Alyssa Fielitz |
| 2004 | Smallwood Holoman, Jr. | 2014 | Victor Atiemo-Obeng | 2023 | Anne-Catherine Bedard |
| 2006 | Joan Sabourin | 2016 | Roland Wallace | | |
| 2008 | Sandra Parker | 2019 | Karen Carter (CERM Award) | | |
| 2010 | Theophilus Leapheart | 2020 | Anja Mueller | | |

Outstanding Achievement and Promotion of the Chemical Sciences

| | | | | | |
|------|--------------------------|------|-----------------------|------|---|
| 1976 | Dr. Turner Alfrey, Jr. | 1996 | Dr. Hans G. Elias | 2016 | Dr. Ronda L. Grosse |
| 1977 | Dr. Etcyl H. Blair | 1997 | Dr. Ludo K. Frevel | 2017 | Dr. Mike Ferritto |
| 1978 | Dr. David C. Young | 1998 | Dr. Patrick B. Smith | 2018 | No Recipient |
| 1979 | Dr. Vernon A. Stenger | 1999 | Dr. David E. Henton | 2019 | Dr. Jerzy Klosin |
| 1980 | Dr. Daniel R. Stull | 2000 | Dr. Steven J. Martin | 2020 | Dr. Chris Goralski, Dr. Brad Fahlman |
| 1981 | Dr. Bob A. Howell | 2001 | Dr. Edwin C. Steiner | 2021 | No Recipient |
| 1982 | Dr. Wendell L. Dilling | 2002 | Dr. Thomas J. Delia | 2022 | Dr. Richard K. Helling |
| 1983 | Dr. Donald R. Weyenberg | 2003 | Dr. Robert M. Nowak | 2023 | Dr. Tami Sivy |
| 1984 | Dr. Edwin P. Plueddemann | 2004 | Herbert D. (Ted) Doan | | |
| 1985 | Dr. Raymond P. Boyer | 2005 | Dr. Michael J. Owen | | |
| 1986 | Stanley P. Klesney | 2006 | Dr. Robert E. Kohrman | | |
| 1987 | Dr. Warren B. Crummett | 2007 | Dr. Petar R. Dvornic | | |
| 1988 | Dr. A. Lee Smith | 2008 | Dr. Jack Kruper | | |
| 1989 | Dr. Do Ik Lee | 2009 | No Recipient | | |
| 1990 | Dr. Joseph E. Dunbar | 2010 | No Recipient | | |
| 1991 | Dr. Thomas H. Lane | 2011 | Dr. James Falender | | |
| 1992 | Dr. Donald A. Tomalia | 2012 | No Recipient | | |
| 1993 | Dr. Dale J. Meier | 2013 | No Recipient | | |
| 1994 | Dr. Philip T. Delassus | 2014 | No Recipient | | |
| 1995 | Dr. Duane B. Priddy | 2015 | Dr. James Tonge | | |

Outstanding Service to the American Chemical Society

| | | | | | |
|------|--------------------------------|------|-----------------------|------|--------------------|
| 1989 | Dr. David C. Young | 2004 | Dr. Steven E. Keinath | 2019 | Dr. Dale LeCaptain |
| 1990 | Dr. Linneaus C. Dorman | 2005 | Ann Birch | 2020 | No Recipient |
| 1991 | Dr. Donald R. Petersen | 2006 | Dr. Philip Squattrito | 2021 | Michelle Cummings |
| 1992 | Dr. Wendell L. Dilling | 2007 | David L. Stickles | 2022 | Michelle Rivard |
| 1993 | Dr. Bob A. Howell | 2008 | Connie Murphy | 2023 | Vickie Langer |
| 1994 | Eldon L. Graham | 2009 | No Recipient | | |
| 1995 | Gretchen S. Kohl | 2010 | No Recipient | | |
| 1996 | Fran K. Voci | 2011 | No Recipient | | |
| 1997 | Dr. Thomas H. Lane | 2012 | No Recipient | | |
| 1998 | Vicky S. Cobb | 2013 | No Recipient | | |
| 1999 | Dr. Theodore E. Tabor | 2014 | No Recipient | | |
| 2000 | Drs. Peter & Patricia Dreyfuss | 2015 | Amy Tesolin-Gee | | |
| 2001 | Dr. George W. Eastland, Jr. | 2016 | Dr. Bob A. Howell | | |
| 2002 | Joan Sabourin | 2017 | Diana Deese | | |
| 2003 | John Blizzard | 2018 | Dr. Regina Malczewski | | |

Outstanding Chemical Technician

| | | | | | |
|------|------------------|------|---|------|--------------|
| 1997 | Connie J. Murphy | 2011 | Amy Tesolin-Gee | 2023 | Denise Anaya |
| 1998 | David Stickle | 2012 | Amber Wallace | | |
| 1999 | Ronald L. Good | 2013 | No Recipient | | |
| 2000 | Kurt A. Bell | 2014 | Jeff Seifferly | | |
| 2001 | Gordon R. Roof | 2015 | Brian Scherzer | | |
| 2002 | Cynthia J. Gould | 2016 | Dana Fuerst | | |
| 2003 | Robert Krystosek | 2017 | Stephanie Hughes | | |
| 2004 | Sherry Allen | 2018 | Joseph Harris | | |
| 2005 | Bill Rievert | 2019 | Weston Tulloch, Matthew Yonkey | | |
| 2006 | Margo Mclvor | 2020 | Heidi Clements | | |
| 2007 | Debbie Bailey | 2021 | Scott Boelter, Nicholas A. Paulik, Matt McLaughlin | | |
| 2008 | Sue Perz | | | | |
| 2009 | Diana Deese | 2022 | Matt Crimmins, Carl Reinhardt, Ben Schaefer, Duane Vance | | |
| 2010 | No Recipient | | | | |

Team Innovation Awards

| | |
|------|--|
| 2020 | Dow Consumer Solutions: Hand Sanitizer for COVID-19 Response Dow Performance Silicones: SILASTIC™ Moldable Optical Silicone Impact Analytical: Leachable and Extractable Studies |
| 2021 | DuPont Nutrition and BioSciences: Increased Capacity for the Growing Meat-Alternative Vegetarian Market |
| 2022 | Dow Chemical: RHOBARR™ 320 Barrier Dispersion |
| 2023 | No Recipient |

Additional, Special Awards

| | | | |
|------|---|--------------------|--|
| 2016 | Corporate Leadership Award | Andrew N. Liveris | Dow Chemical Company |
| 2017 | Special Recognition (Kaliapparatt) | Steven E. Keinath | Michigan Molecular Institute (retired) |
| 2018 | Special Recognition (Through a Different Lens) | Thomas H. Lane | Dow Corning Corporation (retired) |
| 2019 | Special Recognition (Chair, 2019 CERM) | Dimi Katsoulis | Dow |
| 2019 | Special Recognition (Chair, 100th Anniv. Cmte.) | Gina Malczewski | Dow Corning Corporation (retired) |
| 2019 | Special Recognition (Hospitality Star) | Emily Deese | Michigan State University |
| 2019 | Special Recognition (Section Centennial Cert.) | David Young | Dow Chemical Company (retired) |
| 2019 | MI Governor's Senior Volunteer Service Award | Gina Malczewski | Midland Section ACS |
| 2022 | Special Recognition (Redesign of Section Website) | Michael Malczewski | Midland Section ACS (volunteer) |
| 2022 | Special Recognition (Redesign of Section Website) | Mark Jones | Dow (retired) |
| 2023 | Special Appreciation (Keeper of Time) | Wendell Dilling | Dow & CMU (retired) |

Midland Section ACS Salutes to Excellence Awards

| | |
|------|--|
| 2001 | Thomas Lane |
| 2005 | Water Warriors (Ogemaw Heights High School), Eldon L. Graham, Chris Powley, Debra Green, Anne DeBoer, Richard Anderson, Max Bottomley, Harold Moll, Russel Tree, Jr. |
| 2006 | Norman Delisle, John Safranski, Jr., Richard Anderson, Max Bottomley |
| 2008 | Harold Moll, Russel Tree, Jr., Norman Delisle, John Safranski, Jr. |
| 2009 | Saginaw Spirit Hockey Club, Bob Moyer, Nancy Vossen, Vicki Behe, Steve Gribble |
| 2010 | Linda K. Dielman |
| 2013 | David Allan |
| 2015 | Sue Perz, Anatoliy Sokolov, Jaime Curtis-Fisk, Aaron Gaertner |
| 2016 | Dow Corning Corporation, Cassie Fhaner, Wendy Flory, Gretchen Kohl, Diana Deese |
| 2017 | Mike Garlick (Dr. Slime), Michael Tulchinsky, Adrianne Cole, Brian Brutyn, Sean V. Murray |
| 2018 | Dorian Phelps, John Blizzard, Tim Drier, Art Ferruzzi |
| 2019 | John Metcalf, Jay Martin, Valentina Woodcraft, Clifford Todd, Patrick Smith, Bernadette Harkness A.N. Sreeram, Congressman John Moolenaar (CERM presentations) |
| 2022 | John Blizzard (Quadsil/Raven Analytical), Girl Scouts Heart of Michigan, Creative 360, MSU St. Andrews, Cyndie Roberts (Dow High Go Green Club) |
| 2023 | Midland Area Farmers Market, National Organization for the Professional Advancement of Black Chemists and Chemical Engineers (NOBCChE) |

Mid-Michigan Technicians Group (MMTG) Outstanding Chemical Technology Student

| | | | | | |
|------|------------------|------|-------------------|------|--------------|
| 1998 | Rebecca Hall | 2010 | No Recipient | 2022 | Collin Clark |
| 1999 | Debbie Beuthin | 2011 | David Gutowski | 2023 | No Recipient |
| 2000 | Sara Shinavar | 2012 | Jeremy Marchand | | |
| 2001 | Dana Bitzer | 2013 | Chadwick Roland | | |
| 2002 | Sarah Bottke | 2014 | James Nemeth | | |
| 2003 | No Recipient | 2015 | Kelly Setula | | |
| 2004 | Fred Jackson | 2016 | Dave Starr | | |
| 2005 | Chris Eicher | 2017 | No Recipient | | |
| 2006 | Phillip Jerewski | 2018 | Calyx Moore | | |
| 2007 | Laura Jaska | 2019 | Lindsay Alarie | | |
| 2008 | Gerald Rupprecht | 2020 | Elizabeth Bilicki | | |
| 2009 | Kyle Krauseneck | 2021 | No Recipient | | |



ACS National Awards for 2024–2025 Nomination

Wendy Flory and Tami Sivy, Awards Committee Co-Chairs, Midland Section ACS

Editor's note: Several Midland Section ACS members have received various National ACS awards over the years. Please see their names, as noted, below.

[ACS Award for Achievement in Research for the Teaching and Learning of Chemistry](#)

[ACS Award for Affordable Green Chemistry](#)

2012 William J. Kruper

[ACS Award for Computers in Chemical and Pharmaceutical Research](#)

[ACS Award for Creative Advances in Environmental Science and Technology](#)

1986 Eugene E. Kenaga

[ACS Award for Creative Invention](#)

1984 Edwin P. Plueddemann

[ACS Award for Creative Research and Applications of Iodine Chemistry](#)

[ACS Award for Creative Work in Fluorine Chemistry](#)

[ACS Award for Creative Work in Synthetic Organic Chemistry](#)

[ACS Award for Distinguished Service in the Advancement of Inorganic Chemistry](#)

[ACS Award for Encouraging Underrepresented and Economically Disadvantaged Students into Careers in the Chemical Sciences](#)

2024 Scott T. Wills

[ACS Award for Encouraging Women into Careers in the Chemical Sciences](#)

[ACS Award for Research at an Undergraduate Institution](#)

[ACS Award for Team Innovation](#)

2015 Ryan Gaston, James R. Keenihan, Abhijit A. Namjoshi, Stephen Pisklak, Jason A. Reese

2017 Robert A. DeVries, Philip Garrou, Carol E. Mohler, Theodore M. Stokich, Jr., Eric S. Moyer

[ACS Award in Analytical Chemistry](#)

[ACS Award in Applied Polymer Science](#)

1970 Raymond F. Boyer

[ACS Award in Chromatography](#)

1991 Hamish Small

[ACS Award in Colloid Chemistry](#)

[ACS Award in Industrial Chemistry](#)

2022 Jerzy Klosin

[ACS Award in Inorganic Chemistry](#)

[ACS Award in Organometallic Chemistry](#)

[ACS Award in Polymer Chemistry](#)

1973 Turner Alfrey, Jr.

[ACS Award in Pure Chemistry](#)

[ACS Award in Separations Science and Technology](#)

[ACS Award in Surface Chemistry](#)

[ACS Award in the Chemistry of Materials](#)

[ACS Award in Theoretical Chemistry](#)

[Award for Volunteer Service to the American Chemical Society](#)

[Roger Adams Award in Organic Chemistry](#)

[Alfred Bader Award in Bioinorganic or Bioorganic Chemistry](#)

[Earle B. Barnes Award for Leadership in Chemical Research Management](#)

1987 Malcolm E. Pruitt
2009 Gregg A. Zank
2014 William F. Banholzer
2024 David Parrillo

[Ronald Breslow Award for Achievement in Biomimetic Chemistry](#)

[Herbert C. Brown Award for Creative Research in Synthetic Methods](#)

[Alfred Burger Award in Medicinal Chemistry](#)

[James Bryant Conant Award in High School Chemistry Teaching](#)

[Arthur C. Cope Award](#)

[Arthur C. Cope Scholar Awards](#)

[Elias J. Corey Award for Outstanding Original Contribution in Organic Synthesis by a Young Investigator](#)

[F. Albert Cotton Award in Synthetic Inorganic Chemistry](#)

[Peter Debye Award in Physical Chemistry](#)

[Frank H. Field and Joe L. Franklin Award for Outstanding Achievement in Mass Spectrometry](#)

[Francis P. Garvan - John M. Olin Medal](#)

[James T. Grady - James H. Stack Award for Interpreting Chemistry for the Public](#)

[Harry Gray Award for Creative Work in Inorganic Chemistry by a Young Investigator](#)

[Ernest Guenther Award in the Chemistry of Natural Products](#)

[Kathryn C. Hach Award for Entrepreneurial Success](#)

[M. Frederick Hawthorne Award in Main Group Inorganic Chemistry](#)

[E. B. Hershberg Award for Important Discoveries in Medicinally Active Substances](#)

[Joel Henry Hildebrand Award in the Theoretical and Experimental Chemistry of Liquids](#)

[Ralph F. Hirschmann Award in Peptide Chemistry](#)

[Ipatieff Prize](#)

[Frederic Stanley Kipping Award in Silicon Chemistry](#)

1990 John L. Speier, Jr.

[Irving Langmuir Award in Chemical Physics](#)

[Josef Michl ACS Award in Photochemistry](#)

[E. V. Murphree Award in Industrial and Engineering Chemistry](#)

[Nakanishi Prize](#)

[Nobel Laureate Signature Award for Graduate Education in Chemistry](#)

[James Flack Norris Award in Physical Organic Chemistry](#)

[George A. Olah Award in Hydrocarbon or Petroleum Chemistry](#)

[Charles Lathrop Parsons Award](#)

[George C. Pimentel Award in Chemical Education](#)

[Priestley Medal](#)

[Glenn T. Seaborg Award for Nuclear Chemistry](#)

[Gabor A. Somorjai Award for Creative Research in Catalysis](#)

[George and Christine Sosnovsky Award for Cancer Research](#)

[Henry H. Storch Award in Energy Chemistry](#)

[E. Bright Wilson Award in Spectroscopy](#)

[Ahmed Zewail Award in Ultrafast Science and Technology](#)

Criteria and deadlines for the National ACS awards, and other grants and considerations, can be found at <http://www.acs.org/content/acs/en/funding-and-awards/awards/national/nominations.html>.

The full list of National ACS awards by title can be found at <https://www.acs.org/content/acs/en/funding-and-awards/awards/national/bytopic.html>.



Midland Section Recipients of National, Division, and Regional ACS Awards

Diana Deese, Awards Committee Chair, Midland Section ACS

National ACS Fellows

| | |
|------|---|
| 2010 | Wendell L. Dilling, Michael J. Owen |
| 2011 | Bob A. Howell, Thomas H. Lane, Connie J. Murphy |
| 2013 | Patrick B. Smith |
| 2014 | Janet M. Smith |
| 2015 | Gretchen S. Kohl |
| 2016 | Joan M. Sabourin |
| 2017 | Mark E. Jones |
| 2018 | Susan Beda Butts |
| 2019 | Jerzy Klosin, Regina Malczewski |
| 2020 | Christian T. Goralski |
| 2021 | Dimitris Katsoulis |
| 2022 | Michelle Cummings |
| 2023 | Michelle Rivard |

National ACS Heroes of Chemistry

| | |
|------|--|
| 1999 | Etcyl Blair, Ray Rigterink, Art Sexton |
| 2000 | L.C. Rubens |
| 2015 | David Devore, David Neithamer, Peter Nickias, Jasson Patton, James Stevens, David Wilson |
| 2017 | James Bohling, Stan Brownell |

National ACS Helen M. Free Award for Public Outreach

| | |
|------|-------------------|
| 2015 | Regina Malczewski |
|------|-------------------|

National ACS Local Section Outreach Volunteer of the Year Award

| | |
|------|----------------------|
| 2014 | Regina M. Malczewski |
| 2015 | Michelle L. Rivard |
| 2016 | Dave Stickles |
| 2017 | Diana Deese |
| 2018 | Michael Tulchinsky |

2019 Lauren McCullough
2020 Dimi Katsoulis

National ACS Women Chemists Committee (WCC) Rising Star Award

2015 Jaime Curtis-Fisk
2017 Beata A. Kilos
2021 Heather Spinney

ACS Division of Business Development and Management Henry F. Whalen, Jr. Award for Excellence in Business Development and Management in the Chemical Enterprise

2018 Thomas Lane
2020 A.N. Sreeram

ACS Division of Chemical Technicians National Chemical Technician Award

2000 David L. Stickle
2001 Susan Youngs
2006 Robert Krystosek
2007 Margo McIver
2008 Janet Smith
2014 Diana Deese
2015 Jeff Seifferly
2018 Michelle Rivard
2021 Nita "Qiuyin" Xu

ACS Division of Industrial & Engineering Chemistry Applied Chemical Technology (ACT) Award

2014 Janet M. Smith
2017 Michelle Cummings

ACS Division of Industrial & Engineering Chemistry Award in Industrial Chemistry

2022 Jerzy Klosin

ACS Division of Industrial & Engineering Chemistry Early Career Fellow Award

2018 Beata Kilos

ACS Division of Industrial & Engineering Chemistry Applied Chemical Technology Fellow Award

2023 Diana Deese

ACS Division of Professional Relations Henry Hill Award

2016 Thomas Lane

Stanley C. Israel Regional Award for Advancing Diversity in the Chemical Sciences

2016 Thomas Lane (CERM, Covington, KY)
2019 Jim Fitterling (CERM, Midland, MI)

E. Ann Nalley Regional Award for Volunteer Service to the American Chemical Society

2013 Bob Howell (CERM, Mount Pleasant, MI)
2014 Patrick B. Smith (CERM, Pittsburgh, PA)
2019 Michelle Rivard (CERM, Midland, MI)

[Bettye Washington Green Award for Outstanding Science – Midland Local Section Diversity & Inclusion Committee and National Organization for the Professional Advancement of Black Chemists and Chemical Engineers \(NOBCChE\) Midland Chapter](#)

2023 Siaka Yusuf

[Commitment to Diversity and Inclusion Award – Midland Local Section Diversity & Inclusion Committee](#)

2020 James Walker

[Encouraging Women in the Chemical Sciences Award – Midland Local Section Women Chemists Committee](#)

2019 Beata Kilos-Reaume

[Shirley B. Radding Award – Santa Clara Valley Local Section](#)

2015 Connie Murphy



Erratum – Misattributed Recipient of 2003 Science Education Volunteer of the Year Award
Steve Keinath, Co-Editor, The Midland Chemist

Charles Roth was the recipient of the 2003 Midland Section ACS Science Education Volunteer of the Year Award. The mention of this award has been misattributed to John Blizzard in each year's summary of prior year's awards in the annual, early-in-the-year *Midland Chemist* Call for Nominations announcements beginning in 2004 and carrying through to 2023. This error has been corrected in this year's listing (see page 14), now correctly citing Charles Roth as the recipient of the 2003 Science Education Volunteer of the Year Award.

The June 2003 issue of the *Midland Chemist* calls out the fact that John Blizzard presented this 2003 award to Charles Roth. The write-up to this effect appears near the bottom of page 5 of that issue and the corresponding photo showing John Blizzard handing the award to Charles Roth appears at the top of page 6. John Blizzard's name was first cited incorrectly in the 2004 Call for Nominations announcement appearing in the February issue of the *Midland Chemist* that year and from that point forward this error has been repeated each year up through the January 2023 issue of the *Midland Chemist*.

Archived, electronic copies of the *Midland Chemist* newsletter going back to the February 2000 issue may be accessed by clicking on <https://midlandacs.org/newsletter/>. The salient issues that were referenced to sort out and nail down this error included the February 2003, June 2003, and February 2004 issues.

The *Midland Chemist* editors extend our sincere apologies to Charles Roth posthumously (deceased January 15, 2024) and to the remaining members of his family for this long-standing 2003 award recipient misattribution.

2023 *Midland Daily News* Citizen of the Year Finalist: Gina Malczewski
Steve Keinath, Co-Editor, *The Midland Chemist*

Editor's note: This article is reprinted, in part, from the Thursday, December 28, 2023, issue of the *Midland Daily News*. Ben Jodway, Education Reporter for the *Midland Daily News*, authored the original article and provided the photo of Gina that appears in this article. Gina's profile is one of nine profiles of 2023 *Midland Daily News* Citizen of the Year finalists.



GINA MALCZEWSKI SHOWS STUDENTS HOW CHEMISTRY IS PART OF EVERYDAY LIFE

Gina Malczewski might be a biochemist, but she doesn't like to teach with explosions. She'd rather show students how chemistry is part of everyday life.

In her nomination for the 2023 *Midland Daily News* Citizen of the Year, Malczewski was described as an "Energizer Bunny." Her passion for STEM education has led her down paths ranging from helping kids get interested in science through baking to traveling to Guatemala.

Going down the path of STEM as a woman was "a little discouraging," she said. She didn't have a lot of support. "All the guys would always call you 'honey,'" she said. "The recruiters would say, 'Why do you want to do this?' or 'Really, you think you're going to be able to do this?'"

That was when she had a bachelors in biochemistry. The jobs were too monotonous for her anyway, she said. Malczewski wanted to design her own experiments.

"Yes, you sit on committees, and you have to go through this stuff, especially when you're in an industry, but there's enough exciting stuff during the day that it's certainly not boring," she said.

She got a job at Dow Corning. There, her boss at the time was getting involved in introducing STEM to Midland area students in the '90s. Her passion for STEM education blossomed out from there, she said. "I started getting more and more involved in the American Chemical Society," she said. "I got more involved in doing outreach, which is what I enjoyed."

One of her favorite memories was going to Guatemala. There in 2016 and 2017, she brought science kits to hold a workshop with teachers with some hands-on science. Before that they only interacted through a textbook. "Some of those folks had never seen a thermometer," Malczewski said. "For the first time, these people were actually seeing science."

Teachers not only from the local area, but also from some surrounding towns, came to learn from Malczewski's team. Two years later, she taught children, too, and saw them "loving this exposure to science that they've never had before."

That year, she was also invited to go to a University of Guatemala satellite campus to do a workshop for professors. She left her teaching supplies there, and the professors still do her workshop to show

teachers-to-be science. “They taught over 1,100 teachers with the supplies that I had left,” she said. “It was going forward, which made me feel really good.”

Seeing scientists in classrooms through the American Chemical Society has been a boon to STEM, she said. “I may not look like your version of a scientist – but I am a scientist,” Malczewski said. “And that means you can be a scientist, too,” she said.

Gina Malczewski Nominated for Midland Section ACS Outreach Volunteer of the Year Hunter Woodward, Past Chair, Midland Section ACS

The Officers of the Midland Local Section are thrilled to announce that Gina Malczewski has been nominated for an ACS Outreach Volunteer of the Year Award.¹ The last time Gina was honored in this way was five years ago, and we estimate that since then she has impacted the lives of over 3,400 people in Midland and beyond. Over the past 29 years Gina has been heavily engaged in outreach, and so it is a bold statement to say that 2023 was an especially accomplished year! Indeed, Gina was also a finalist for the 2023 *Midland Daily News* Citizen of the Year (see accompanying article on pages 23 to 24), further cementing her widely recognized impact in the community.

Gina continues to explore new and exciting ways to engage the community and educate on the transforming power of chemistry. She trains dozens of teachers and volunteers (locally, nationally, and in Guatemala), organizes local events that educate hundreds on the social responsibilities of chemistry, and helps reduce doubt in scientific information by engaging with hundreds of future scientists. Events include hands-on demos at local malls and community events, the annual Earth Day Action Expo, summer camps for local students, and the Food Science Cafe "Scrumptious Seaweed" in which professional chefs educated on the nutrition, flavors, and textures of seaweed! Events from 2023 that Gina organized or participated in, in chronological order, included:



- Kids Day at the Midland Mall with hands-on activities ("Fabulous Fibers").
- Science coach for Bay City Western (BCW) 7th grade, 6 visits/year, 120 students/visit. Started the Green Club and herb garden at BCW.
- Co-organized "Earth Day Action Expo 2023," hosted local nonprofits and businesses to educate hundreds from the local community on sustainability efforts (midlandacs.org/events/earth-day-action-expo-2023).
- Organized the summer camp "Sound Science" with 22 Possible Dream students. Arranged for nine speakers and 17 activity segments.
- Organized the Food Science Cafe "Scrumptious Seaweed," hosted two professional chefs to educate on the nutrition, flavor, and textures of seaweed.
- Co-organized "We Can Make a Difference: A Sustainability Event," focused on local actions individuals can take. Included a volunteer shift at the local recycling center.
- Frankenstein Friday, Pumpkin Party, and Environmental Summit to engage with local students K-12.

- Recruited and trained volunteers for events, gathered supplies, developed supporting info, contacted schools, posted flyers, and engaged social media.
- Sought funding for events, organized supplies for the whole Midland Local Section.
- Nationally, judged for ChemLuminary awards and poster contests, involved in *Celebrating Chemistry* magazine.
- Gina also volunteers for the Red Cross and for HELPS International, traveling to Guatemala to install safer stoves and water filters and training local teachers in science (K-6).

Thank you very much, Gina! We at the Midland Section ACS and all of your friends in Midland appreciate you!

¹Gina serves on the National ACS Committee on Community Activities and therefore is ineligible to win the ACS Global Outreach Volunteer of the Year Award.

ACS Fall 2024 Meeting and Exposition – Abstract Submission Deadline, April 1 **Steve Keinath, Co-Editor, *The Midland Chemist***

Editor's note: The information contained in this article is reprinted, in part, from material provided in an email message posted to all ACS members, dated January 9, 2024.



Submit your abstracts for oral and poster presentations for ACS Fall 2024 Meeting and Exposition. The meeting theme, **Elevating Chemistry**, will be at the core of programming. Sessions for the hybrid meeting (in-person & virtual) will be held in Denver, Colorado, and virtually, **August 18-22, 2024**. Those who wish to submit an abstract will have the option of selecting a virtual or in-person abstract submission.

ACS Meetings & Expositions bring together chemistry professionals, educators, and students worldwide to discover and share research, network, and advance careers. These meetings are an excellent opportunity for professionals and students to showcase their work and connect with colleagues in all areas of chemistry.

Visit the website to find a list of the programming divisions and planned symposia open for submissions. **The deadline to submit an abstract is Monday, April 1, 2024.**

Summary Report on the 2023 Fall Scientific Meeting

Eric Nelson, 2023 Fall Scientific Meeting Co-Chair, Midland Section ACS

On Friday and Saturday, November 3 and 4, 2023, Central Michigan University hosted a reimagined Midland Section ACS Fall Scientific Meeting, igniting collaboration and fostering connections across the chemical landscape. We tried to go beyond the typical presentations, aiming to connect, inspire, and boost engagement through broader outreach and innovative formats. Recognizing the need for broader representation, the 2023 Fall Scientific Meeting organizing team cast its net wider, embracing chemists from diverse backgrounds and regions, not just the typical area and major companies that have made up the bulk of the meetings in the past.

The event achieved remarkable success, drawing 94 registrants representing a diverse range of institutions. We welcomed representatives from local schools like MSU, SVSU, Delta College, and Roscommon High School, and fostered connections with key industry players such as Dow, DuPont, SK Siltron CSS, IFF, Genesee Polymers Corporation, NanoSynthons LLC, and QuadSil, Inc.

The Friday, November 3, segment of the meeting was highlighted by the Keynote Address given by Dr. Martin Spartz entitled "Infrared Spectrometry: An Entrepreneur's Journey from Technology to Start-up to Fortune 500."



Dr. Martin Spartz



Following the Keynote Address, we piloted a novel format called "Speed Presentations." This interactive approach utilized CMU's active learning classrooms, featuring table configurations conducive to small group engagement. Each table, accommodating up to eight individuals, included a convenient viewing screen. Speakers delivered concise presentations, followed by a brisk Q&A Session. Upon a timed expiration, audience groups transitioned to the next table, repeating the process until exposed to all the presentations. This innovative experiment garnered considerable positive feedback from both presenters and participants.



After a short break, we started our Oral Presentations session which included:

- Dr. Megan Thomas (DuPont), “Case Study for Developing Sustainable Materials: Froth-Pak™ Spray Foams”
- Dr. Chris Nelson (Dow), “Spray Deposition: Quantifying and Reducing Splashing and Bouncing of Droplets on Leaf Surface Mimics”
- Dr. Nicole Shriner (MSU), “New Frontiers and Applications in Biochemical and Analytical Chemistry”
- Dr. Hyder Aliyar (DuPont), “Role of Silicone and Acrylic Pressure Sensitive Adhesive Technologies on the Transdermal Drug Delivery of Diclofenac Base”
- Dr. Aliakbar Yazdan (CMU), “Metal-Sulfur Batteries: Opportunities and Challenges”
- Koksai Karakus (CMU Graduate Student), “Modeling the Density Profile of a Supported Thin Film Using Nonlinear Partial Differential Equations”
- Dr. Koudi Zhou (IFF), “Parts Per Billion of Nitrite in Microcrystalline Cellulose by Ion Chromatography Mass Spectrometry with Isotope Labeled Internal Standard”
- Dr. Mary Beth Seasholtz (Retired Dow), “Lessons Learned Over 30 Years of Applying Chemometrics in the Chemical Industry”

After the stimulating Oral Presentations, it was time to mingle minds and marvel at the research displayed at the Poster Session. With 43 posters covering diverse topics, there was something for everyone to delve into. And to fuel the intellectual conversations, delicious food and refreshing drinks were on hand as well.

As the first day drew to a close, the Midland Section ACS Younger Chemists Committee (YCC) stepped in to host a fantastic Networking Event. Imagine the aroma of fresh pizza mingling with lively conversation as attendees connected, forged new bonds, and shared insights over refreshing food and beverages. It was the perfect way to cap off a day of scientific exploration and discovery.

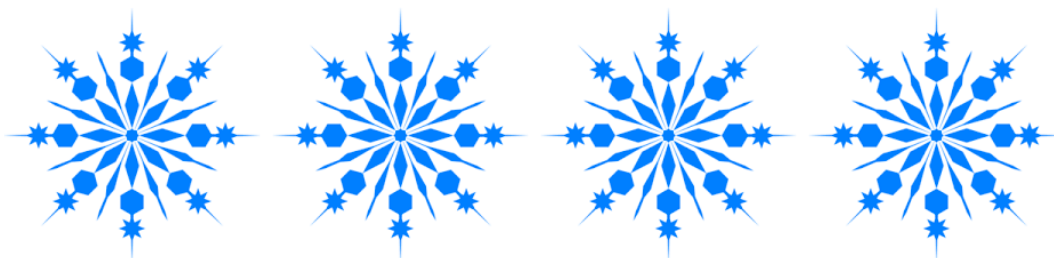
Saturday, November 4, kicked off with a vibrant Careers/Vendors Open House and Volunteered Presentations, where curious minds mingled with industry experts and passionate volunteers. It offered a chance to explore options, forge connections, and discover possibilities – all under one roof. After a fulfilling morning exploring careers and volunteer opportunities, the day took a hoppy turn with a delightful lunch and brewery tour at Hunter’s Ale House in Mount Pleasant.

The 2023 Fall Scientific Meeting concluded with resounding success. We are sincerely grateful for the valuable lessons learned and look forward to implementing them to further enrich the 2024 edition. This achievement would not have been possible without the countless hours and remarkable efforts of our dedicated volunteers. I extend my deepest appreciation to my 2023 FSM Co-Chair Dale LeCaptain, 2023 Midland Section ACS Chair Hunter Woodward, and everyone who contributed, including Allison Abdilla, Mayank Jhalaria, Shruti Biyani, Todd Pangburn, Caroline Szczepanski, Rob Ferrier, Hammad Faizi, David Hickey, Ben Swarts, Anja Mueller, Janice Tomasik, Mary Tecklenburg, Bing Bing Li, Sravya Nuguri, Ann Fernandez, Lauren Wilson, Mark Jones, and others. Your commitment and tireless work were instrumental in this meeting’s success.

Upcoming Dates, Events, and Other Updates

- January 8 (7:00 – 8:30 PM) – Hybrid Midland Section ACS Board meeting, Rotunda Room, MSU St. Andrews, Midland (in person), and via a Microsoft Teams videoconference call connection at [January 2024 ACS Board Meeting Teams Link](#), Meeting ID: 939 576 147 515 1, Passcode: A52hAT. **Please note: This Board meeting is being held on the second Monday of January, not the usual first Monday of most months due to the New Year's Day holiday.**
- January 10 (7:00 – 8:30 PM) – MSU St. Andrews Family Astronomy Night free virtual event. Presentation topic: *Uranus: The First "New" Planet*. Please see <https://standrews.msu.edu/family-astronomy-night/> for more information about these ongoing monthly programs and to access prior archived presentations.
- January 27 (9:00 AM – 3:00 PM) – *Day in the Life of an Industrial Scientist*. Midland Center for the Arts, 1801 W St Andrews Rd, Midland. FREE event for STEM students and mentors. Registration required. For more information, please see the flyer on page 3 in this newsletter. To sign up or for questions, contact diversity@midlandacs.org.
- January 27 (10:00 AM to 3:00 PM) – Midland Section ACS Outreach event, "*Kids Day at the Midland Mall*." Free event, cosponsored by Midland Section ACS, open to everyone. For more information, please contact Gina Malczewski at reginamalczewski@gmail.com.
- February 3 (Save the Date) – STEM Brunch event, "*HERstory: Women in Science*." Midland Center for the Arts. For more information, please contact Gina Malczewski at reginamalczewski@gmail.com.
- February 5 (7:00 – 8:30 PM) – Hybrid Midland Section ACS Board meeting, Rotunda Room, MSU St. Andrews, Midland (in person), and via a Microsoft Teams videoconference call connection at [February 2024 ACS Board Meeting Teams Link](#), Meeting ID: 939 576 147 515 1, Passcode: A52hAT.
- February 11 (Save the Date) – Midland Community Orchestra event with a focus on Borodin. For more information, please contact Gina Malczewski at reginamalczewski@gmail.com.
- March 4 (7:00 – 8:30 PM) – Hybrid Midland Section ACS Board meeting, Rotunda Room, MSU St. Andrews, Midland (in person), and via a Microsoft Teams videoconference call connection at [March 2024 ACS Board Meeting Teams Link](#), Meeting ID: 939 576 147 515 1, Passcode: A52hAT.
- March 17-21 (Save the Date) – ACS Spring 2024 National Meeting & Exposition, New Orleans, LA, hybrid meeting (in-person and virtual). Meeting theme: *Many Flavors of Chemistry*. For more information, please see [ACS Spring 2024](#).
- March 22 (Save the Date) – Girls Day Out event at Delta College. For more information, please contact Gina Malczewski at reginamalczewski@gmail.com.
- March 24 – **Deadline for Midland Section ACS Spring Awards nominations** to honor outstanding educators, volunteers, and colleagues. For more information or any questions, please contact Midland Section ACS Awards Committee Co-Chairs Wendy Flory (wcflorey@dow.com) or Tami Sivy (tsivy@svsu.edu).
- April 1 (7:00 – 8:30 PM) – Hybrid Midland Section ACS Board meeting, Rotunda Room, MSU St. Andrews, Midland (in person), and via a Microsoft Teams videoconference call connection at [April 2024 ACS Board Meeting Teams Link](#), Meeting ID: 939 576 147 515 1, Passcode: A52hAT.
- April 1 – **Deadline to submit abstracts for the ACS Fall 2024 National Meeting & Exposition**, Denver, CO, August 18-22, 2024 (in-person and virtual). Meeting theme: *Elevating Chemistry*. For more information, please see [ACS Meetings & Expositions - American Chemical Society](#).
- April 27 (11:00 AM to 3:00 PM) – Midland Section ACS Outreach event, "*Earth Day Action Expo 2024*." Free event at H.H. Dow High School, in Midland, open to everyone. For more information, please contact Gina Malczewski at reginamalczewski@gmail.com.

- May 1 (5:30 – 9:00 PM, tentative) – Midland Section ACS Spring Awards Recognition Banquet, Great Hall Banquet & Convention Center, 5121 Bay City Road, Midland. Cost: TBD. For more information or any questions, please contact Midland Section ACS Awards Committee Co-Chairs Wendy Flory (wcfloory@dow.com) or Tami Sivy (tsivy@svsu.edu).
- May 6 (7:00 – 8:30 PM) – Hybrid Midland Section ACS Board meeting, Rotunda Room, MSU St. Andrews, Midland (in person), and via a Microsoft Teams videoconference call connection at [May 2024 ACS Board Meeting Teams Link](#), Meeting ID: 939 576 147 515 1, Passcode: A52hAT.
- June 3 (7:00 – 8:30 PM) – Hybrid Midland Section ACS Board meeting, Rotunda Room, MSU St. Andrews, Midland (in person), and via a Microsoft Teams videoconference call connection at [June 2024 ACS Board Meeting Teams Link](#), Meeting ID: 939 576 147 515 1, Passcode: A52hAT.
- August 5 (7:00 – 8:30 PM) – Hybrid Midland Section ACS Board meeting, Rotunda Room, MSU St. Andrews, Midland (in person), and via a Microsoft Teams videoconference call connection at [August 2024 ACS Board Meeting Teams Link](#), Meeting ID: 939 576 147 515 1, Passcode: A52hAT.
- August 18-22, 2024 – ACS Fall 2024 National Meeting & Exposition, Denver, CO. This meeting is being planned as an in-person and virtual hybrid meeting. Meeting theme: *Elevating Chemistry*. For more information, please see [ACS Meetings & Expositions - American Chemical Society](#).
- September 9 (7:00 – 8:30 PM) – Hybrid Midland Section ACS Board meeting, Rotunda Room, MSU St. Andrews, Midland (in person), and via a Microsoft Teams videoconference call connection at [September 2024 ACS Board Meeting Teams Link](#), Meeting ID: 939 576 147 515 1, Passcode: A52hAT. **Please note: This Board meeting is being held on the second Monday of September, not the usual first Monday of most months, due to the Labor Day holiday.**
- October 7 (7:00 – 8:30 PM) – Hybrid Midland Section ACS Board meeting, Rotunda Room, MSU St. Andrews, Midland (in person), and via a Microsoft Teams videoconference call connection at [October 2024 ACS Board Meeting Teams Link](#), Meeting ID: 939 576 147 515 1, Passcode: A52hAT.
- November 4 (7:00 – 8:30 PM) – Hybrid Midland Section ACS Board meeting, Rotunda Room, MSU St. Andrews, Midland (in person), and via a Microsoft Teams videoconference call connection at [November 2024 ACS Board Meeting Teams Link](#), Meeting ID: 939 576 147 515 1, Passcode: A52hAT.
- December 2 (7:00 – 8:30 PM) – Hybrid Midland Section ACS Board meeting, Rotunda Room, MSU St. Andrews, Midland (in person), and via a Microsoft Teams videoconference call connection at [December 2024 ACS Board Meeting Teams Link](#), Meeting ID: 939 576 147 515 1, Passcode: A52hAT.



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