



Pittsburgh Section of the American Chemical Society  
Volume CX, No. 3  
October 2023

### Contents

Get to know: Evonne Baldauff, Director and NCW coordinator	1-2
Volunteer for National Chemistry Week 2023	3
National Chemistry Week Illustrated Poetry Contest	4
Hybrid Pittsburgh ACS October Meeting in Mt. Lebanon	5
2023 Pittsburgh Award Recipient: Dr. Alexander Deiters	6
2023 Distinguished Service Award Recipient: Ms. Tabitha Riggio	7
2023 Pittsburgh ACS Awards Banquet	8
Project SEED: 2023 Student Experience	9
Women Chemists Committee: Online Fall Networking Event	10
Recap of ACS Fall 2023 Meeting from Travel Grant Recipient	11
November SACP/SSP Monthly Meeting	12-13
SACP/SSP Faraday Lecture	14-16
Meeting Registration and Travel Grant Application	17-19
Business Page	20



## Get to Know A Member – Evonne Baldauff, Ph.D.



### 1. What is your work and ACS (if applicable) title?

ACS: Director and NCW Outreach Coordinator, ACS Pittsburgh Local Section  
Work: Professor of Chemistry  
Chair, Department of Chemistry & Forensic Science and Department of Mathematics, Computer Science, & Physics  
Assistant Provost for Faculty Excellence, Curriculum Development, and Online Learning

### 2. How many years have you been in the ACS?

ACS National since 2001, 22 years  
Pittsburgh Section since 2013, 10 years (thanks to Heather Juzwa for asking me to join!)

### 3. What is the biggest benefit of ACS Membership?

Getting involved in the Pittsburgh Local Section and the Student Communities (Undergraduate) allowed me to meet so many amazing people with whom I respect enormously and enjoy working alongside! ACS gives me the chance to serve the chemical community, promote chemistry in our geographical region, and encourage students that chemistry is a wonderful career path.

### 4. What did you want to be when you were a child?

For a brief time in elementary school, I thought I'd like to be a teacher. That didn't last long. I thought about – of all things – becoming a journalist (not at all my skillset). Then in high school, my uncle encouraged me to do something in science because I was good at math. He was right!

### 5. What made you fall in love with Chemistry?

I really enjoyed doing the calculations in my high school chem classes!

### 6. What is your favorite part of your career or job?

Do you want to be our featured member? Please email [hjuzwa@shimadzu.com](mailto:hjuzwa@shimadzu.com) to get onto the schedule!

The phrase that best describes my motivation is "make it work." Whether that involves developing new teaching strategies in the classroom or finding ways to interest more students in pursuing chemistry, I find the most satisfaction in my work when I can find innovative, creative, or unique strategies to get things done efficiently and effectively.

**7. What is your favorite book and why?**

This is a hard question; I like a lot of books. The one that first came to mind is *Midnight's Children* by Salman Rushdie. It is one of the most intricate, unique stories and writing styles I've encountered.

# THE HEALING POWER OF CHEMISTRY

October 15–21 | 2023 | #NationalChemistryWeek



## Pittsburgh Local Section NCW activities for 2023

Join us for a series of events throughout the entire week. Watch for emails and check our Facebook page and website for updates! For additional information regarding any of these events, contact NCW Coordinator, Evonne Baldauff, at [ebaldauf@waynesburg.edu](mailto:ebaldauf@waynesburg.edu). Scan the code to the right to join our Facebook group:



**Event 1: “Gene-age Dream”** Wet-lab experiments at the Carnegie Science Center.

We are collaborating with the CSC to host a series of wet chemistry labs on October 16, 18, and 19. Teachers from local schools will bring groups of 24 students to participate in a full laboratory experience that they may not get in their schools. Volunteers are needed to serve as lab assistants and will work directly with participants.

Multiple daily lab sessions run from 10:15-11:15 AM and 11:30-12:30 PM. Up to 8 volunteers are needed each day. To sign up, contact Evonne Baldauff ([ebaldauf@waynesburg.edu](mailto:ebaldauf@waynesburg.edu)).

**Event 2: SciTech Days: Health and Medicine** demonstrations and Career Panel at the Carnegie Science Center.

A traditional exposition-style event, schools from the Pittsburgh region and surrounding communities will bring students to experience hands-on demonstrations and activities on October 20<sup>th</sup>. Volunteers are needed to host demonstration tables and serve as career panelists. Volunteer through the following form: <https://forms.gle/DLFNBsiFcC3pfvW6>

**Event 3: ACS Student Chapter Mini-ChemFest Events**

Exclusive for undergraduate chapters, host your own ChemFest outreach event for local schools in your geographic area using the NCW 2023 theme. Funding of up to \$200 is available. To sign up, contact Evonne Baldauff ([ebaldauf@waynesburg.edu](mailto:ebaldauf@waynesburg.edu)) or Marsha Grimminger ([MAG246@pitt.edu](mailto:MAG246@pitt.edu)).



## 2023 NCW Illustrated Poem Contest The Healing Power of Chemistry

The Pittsburgh Local Section of the American Chemical Society (ACS) is sponsoring an illustrated poem contest for students in kindergarten through 12th grade.

**Contest Deadline: Sunday, October 29, 2023 by 11:59 PM ET**

**Prizes:** \$50 1st Place and \$25 2nd Place in each of 4 grade categories: K-2nd, 3rd-5th, 6th-8th and 9th-12th grades.

**Contact:** Evonne Baldauff, NCW Coordinator. Mail entries to 51 W. College St., Waynesburg, PA or scan and email to [ebaldauf@waynesburg.edu](mailto:ebaldauf@waynesburg.edu).

Winners of the Pittsburgh Local Section's Illustrated Poem Contest will advance to the National Illustrated Poem Contest for a chance to be featured on the ACS website and to win prizes!

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Write and illustrate a poem using the NCW theme, **"The Healing Power of Chemistry."**  
Your poem must be **no more** than 40 words and in the following styles to be considered:

**HAIKU - LIMERICK - ODE - ABC POEM - FREE VERSE - END RHYME - BLANK VERSE**

### Possible topics related to the theme include:

- Skin anatomy and care
- Vaccines
- Wound healing
- Zoopharmacognosy
- Antibiotics
- Antibodies
- Bandages
- Immune system
- Medications
- Pathogens

### Entries will be judged based upon:

- Artistic Merit - use of color, quality of drawing, design, and layout
- Poem Message - fun, motivational, inspiring about yearly theme
- Originality Creativity - unique, clever and/or creative design
- Neatness - free of spelling and grammatical errors

### Contest rules:

- All poems must be no more than 40 words, and in one of the following styles to be considered: Haiku, Limerick, Ode, ABC poem, Free verse, End rhyme, and Blank verse.
- Entries are judged based upon relevance to and incorporation of the NCW theme, word choice and imagery, colorful artwork, adherence to poem style, originality and creativity, and overall presentation.
- All entries must be original works without aid from others. Poems may be submitted by hand on an unlined sheet of paper not larger than 11" by 14" or scanned and sent via email. Illustrations may be created using crayons, watercolors, other types of paint, colored pencils, or markers. The illustration may also be electronically created by using a digital painting and drawing app on a computer, tablet, or mobile device.
- The text of the poem should be easy to read and may be typed before the hand-drawn or digital illustration is added, or the poem may be written on lined paper, which is cut out and pasted onto the unlined paper with the illustration.
- No clipart or unoriginal images can be used.
- Only one entry per student will be accepted; all entries must include an entry form. If the illustration is created using a digital painting or drawing app, the name of the program must be included on the entry form.
- Acceptance of prizes constitutes consent to use winners' first name, and entry for editorial, advertising, and publicity purposes.
- Do **not** place participant names on the front of your poem





**ACS** Local Section  
Pittsburgh

# MONTHLY MEETING

In Celebration of National Chemistry Week

**OCTOBER 17, 2023**

Mt Lebanon Public Library  
16 Castle Shannon Blvd  
Pittsburgh, PA 15228

**5:30 PM** ACS Meeting

**6:30 PM** Light refreshments at local café

Please RSVP by emailing Evonne Baldauff at  
[ebaldauf@waynesburg.edu](mailto:ebaldauf@waynesburg.edu)

Zoom Meeting Link:

<https://pitt.zoom.us/j/7777910991>

Zoom Meeting ID: 777-791-0991



## Congratulations to the 2023 ACS Pittsburgh Award Recipient!

The Pittsburgh Award was established in 1932 by the Pittsburgh Section of ACS to recognize outstanding leadership in chemical affairs in the local and larger professional community. This Award symbolizes the honor and appreciation accorded to those who have rendered distinguished service to the field of chemistry. The Award, consisting of a plaque, is presented annually at a Section dinner open to the public.

Members of the Pittsburgh Section, or in exceptional cases, nonmembers, who have done work worthy of recognition toward increasing chemical knowledge, promoting the chemical industry, benefiting humanity, or advancing the Pittsburgh Section, are eligible for consideration.

**Dr. Alexander Deiters** was born in Germany and studied Chemistry at the University of Münster from 1993-1998. He received his diploma degree in 1998 and his doctoral degree in 2000 for work in Professor Hoppe's group on new cyclization reactions with enantiomerically enriched allyllithium species. In 2001 he joined Professor Martin's lab at the University of Texas at Austin where he worked as a postdoctoral fellow on the total synthesis of indole alkaloids. In 2002 he began another postdoctorate in Professor Schultz's lab at The Scripps Research Institute in La Jolla where he developed genetic code expansion methodologies for unnatural amino acids.



In 2004, Alex joined the Department of Chemistry at North Carolina State University as an Assistant Professor and was promoted to Associate Professor in 2009 and to Full Professor in 2012. He moved his lab to the University of Pittsburgh in September 2013, where he currently is a Professor of Chemistry. His group's research interests are in the areas of Synthetic Biology and Chemical Biology and range from the discovery of small molecule modifiers of biological pathways, medicinal chemistry, peptides and aptamers to cell, protein, and nucleic acid engineering. He has published >190 peer-reviewed papers, written six book chapters and 14 review articles, has presented over one hundred eighty research seminars, and has consulted for several pharmaceutical companies. He has several granted patents and technologies that he co-developed have been licensed by the biotech industry.

Alex also has an exceptional track record of service to the Department and to the local community. He and members of his group have organized and conducted a wide range of outreach activities over the years. They have designed tailored informational materials and hands-on experiments. They often perform demonstrations that they developed to relate chemistry and biology to everyday activities in order to engage the general public and to inspire interest in STEM disciplines. Additionally, Alex cofounded Pitt's iGEM undergrad team together with Drs. Jason Lohmueller and Sanjeev Shroff. The iGEM Foundation is a non-profit organization dedicated to the advancement of synthetic biology, education and competition, and the development of an open, collaborative, and cooperative community. Pitt's award-winning iGEM teams have raised awareness of synthetic biology by experimental presentations, such as a newly developed cloning game and a children's book.

*Biography provided in parts by Dr. Dennis Curran and <http://www.deiterslab.org/>*



## Congratulations to the 2023 Distinguished Service Award Recipient!

The Distinguished Service Award was established in 2007 by the Pittsburgh Section of ACS to expand and replace the predecessor Chairman's Award of the section. Both recognize outstanding volunteer service to the section. The Award, consisting of a plaque, is presented annually at a section dinner open to the public.

Members of the Pittsburgh Section, past or present, who have provided outstanding service in advancing the Pittsburgh Section are eligible for consideration. Nominations for the Pittsburgh Award are solicited from the membership of the Pittsburgh Section.

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**Ms. Tabitha Riggio** is a sincere, dedicated volunteer. Riggio graduated from Duquesne University with a B.S. in Chemistry, a German minor, and an MBA. She is a long-standing member of the American Chemical Society, former Treasurer, and current chair of Project SEED.

Riggio spent her career at Bayer MaterialScience split between Applications/Development and Sales/Marketing. While there, she helped establish a program to bring hands-on science into classrooms (Bayer Association for Science in Community). After a hiatus to raise her children and care for her parents with dignity, she returned to the workforce at LB Foster, where she is transitioning into a project manager position in their Fabricated Bridge Forms group. During her career break, Riggio worked as a Special Education Aide and volunteered extensively in her school district, for example, on the science curriculum cyclical review committee.



Since 2004, Riggio has been the Chair of Project SEED of the Pittsburgh Section of the ACS. Project SEED was founded by the ACS to provide educational opportunities to high-achieving, economically-disadvantaged high school students. Through this work, Riggio and colleagues created a flourishing program and provided laboratory experiences to 62 students of which 65% were female and 55% were minorities. Students were hosted at laboratories around the Pittsburgh region, including Duquesne University, Washington and Jefferson College, and Covestro. The program received two ChemLuminary Awards for Outstanding Project SEED Program in 2008 and 2010. Riggio has also been involved in the Pittsburgh ACS as the Treasurer in 2003 and as part of the National Chemistry Week coordinating team for many years.

*Biography provided by Alysia Mandato*





# AMERICAN CHEMICAL SOCIETY PITTSBURGH SECTION AWARD BANQUET

*Honoring*  
2023 PITTSBURGH AWARD RECIPIENT  
**Dr. Alexander Deiters**

2023 DISTINGUISHED SERVICE AWARD WINNER  
**Ms. Tabitha Riggio**

2024 ACS NATIONAL AWARD FOR VOLUNTEER SERVICE  
**Mr. Michael Mautino**

MONDAY, NOVEMBER 6, 2023

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Grand Concourse  
100 West Station Square Dr.  
Pittsburgh, PA 15219

Social Hour: 5:30 PM Cash Bar  
Dinner: 6:15 PM  
Award Presentation: 7:15 PM

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Registration must be submitted by **Saturday, October 21, 2023**: \$45.00; Student or Post-Doc \$25.00  
Parking is not included in the cost but is available in lots adjacent to Station Square or through valet at the Grand Concourse.

To officially register for the event, payment must be received. Please register electronically at  
<https://pittsburghacs.org/events/2023-awards-banquet/>

In lieu of electronic payment, we will accept checks payable to ACS Pittsburgh Section; mail to Alysia Mandato, Department of Chemistry, 219 Parkman Ave., Pittsburgh, PA 15213. Due to delays in mail processing please also send an email to Alysia at atm75@pitt.edu. Include the following information along with your check:

**NAME** \_\_\_\_\_

**ADDRESS** \_\_\_\_\_ **STATE** \_\_\_\_\_ **ZIP** \_\_\_\_\_

**EMAIL** \_\_\_\_\_

**AFFILIATION** \_\_\_\_\_

**MEAL CHOICE (Please choose one per guest):**

Petite Filet Mignon

Lobster & Shrimp Stuffed Salmon

Roasted Vegetable Ravioli

If you have any special dietary concerns, please let us know.

## Project SEED: 2023 Student Experience at Covestro

High schooler Boa Seo thought that she might pursue a degree in chemistry. After serving as an intern in the labs at our Pittsburgh site this past summer through Project SEED, she knew that she would.



An initiative of the American Chemical Society, Project SEED provides hands-on paid summer research experiences and virtual summer camps for high school students with diverse identities and socioeconomic backgrounds. Covestro LLC has been a longtime program partner, hosting as many as four students in its labs each summer.

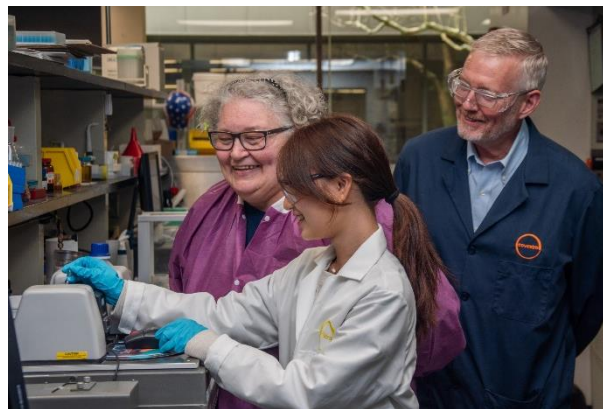
“Project SEED is an excellent opportunity for students in underserved communities to get exposure to science, technology, engineering and math (STEM),” said Nathan Chaffin, manager, Polymer Analytics & Physics and Pittsburgh site coordinator for Project SEED. “Because some of these students may not get adequate exposure, they may not know whether they want to pursue STEM further. Everyone deserves that exposure – a ‘taste test,’ if you will.”

Seo got her taste in the Wet Chemistry Lab within Chaffin’s group, assisting with various titration, viscosity and color/haze methods. Her responsibilities during the eight-week internship included weighing materials, placing them in the testing equipment and working with her mentors to interpret the results.

“I knew I was interested in chemistry, and I wanted to explore the field more to see what I could do with it,” said Seo, who is a senior at a Pittsburgh-area high school. “I loved the research and working in the lab, and I felt respected even though I was a high school student. The experience really opened my eyes to a new environment, helping me decide to pursue a degree in chemistry followed by dental school. My goal is to be an orthodontist.”

Seo wasn’t the only one to benefit.

“It was like having an additional employee,” said Corinda Nail, senior R&D scientist I and one of Seo’s mentors. “Boa had a very strong work ethic, and her enthusiasm and cheerfulness just made everybody in the lab have a better outlook. We wouldn’t get the enthusiasm for chemistry that we saw in her without the hands-on experience and sense of ownership Project SEED provides.”





**OCTOBER 13, 2023**  
**3:00 – 4:00 P.M. ET**

WOMEN CHEMISTS COMMITTEE



## Women Chemists of Color Fall Networking Event



Dr. Wei Gao

Fellow, The Dow Chemical Company;  
Fellow, ACS Polymer Chemistry Division; and  
Career Consultant for ACS Career Services

### Discussion Topics

1. Exploring and implementing self-care strategies as a Women of Color in Chemistry
2. Being your authentic self in your professional life
3. Building your network/collaboration for balancing cultural expectations and career advancement



**REGISTER HERE:** <https://american-chemical-society.zoom.com/meeting/register/tZwpd0GsrTwjGNPeD2q7c65-y1n52ki8Pyat>



Fatemeh Haghighi  
Graduate Student in Brummond Group  
Department of Chemistry  
University of Pittsburgh

Dear Pittsburgh ACS,

I would like to thank the ACS Pittsburgh section for supporting my trip to San Francisco to present my research at the ACS Fall 2023. This was a wonderful opportunity for me to share my work with chemistry community. I enjoyed my time being in touch with the latest results in the field that has been done by amazing chemists from around the globe.

On the first day of the conference, I attended a workshop by ACS "Making The Most of Your Interview: Outshine The Competition". It was a professional, interactive workshop on how to get prepared for and present your best self in an interview. I learned very helpful tips that I will use as I get prepared for the job interviews in the future.

Later on the day, I presented my poster "Asymmetric allenic Pauson–Khand reaction approach to Thapsigargin" at "Asymmetric Reactions & Synthesis" session. I had an amazing time discussing my research with peers from academia and industry. I got interesting and helpful feedbacks in order to improve my work.

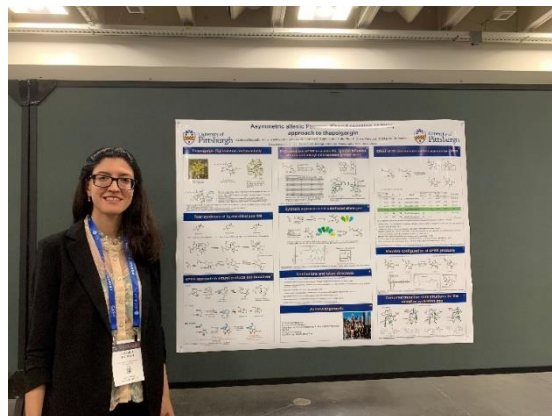
On the remaining days, I attended various talks and learned a lot about the state of the art projects in the field of organic chemistry that are ongoing in academia and prestigious companies including Merck, Abbvie, Janssen, and Novartis.

I would like to mention that I had a lot fun during the expo sessions, interacting with amazing people form industry from the US, Europe and Asia. In addition, I attended an ACS career consultation session and found it very helpful.

Thank you again for this great opportunity and supporting me on this memorable trip.

Sincerely,

Fatemeh



**SSP/SACP Joint Meeting  
Monday, November 13, 2023  
Duquesne University Power Center**



5:00 PM – Social Hour  
6:00 PM – Dinner  
6:45 PM – Business Meeting  
7:15 PM – Technical Program

**SACP Technical Program**

**“Navigating Chemical Experiments with AI and Automation”  
Dr. Olexandr Isayev, Associate Professor of Chemistry,  
Carnegie Mellon University**



**Biography:**

Olexandr Isayev is an Associate Professor in the Department of Chemistry at Carnegie Mellon University. In 2008, Olexandr received his Ph.D. in computational chemistry. He was a Postdoctoral Research Fellow at the Case Western Reserve University and a scientist at the government research lab. During 2016-2019, he was a faculty at UNC Eshelman School of Pharmacy, the University of North Carolina at Chapel Hill. Olexandr received the “Emerging Technology Award” from the American Chemical Society (ACS) and the GPU computing award from NVIDIA. The research in his lab focuses on connecting artificial intelligence (AI) with chemical sciences.

**Abstract:**

The application of AI-driven approaches for modern experimental design has shifted the paradigm for scientific discovery. In this talk, we will provide an overview of the latest developments of machine learning and AI methods and their application to the problem of chemical experimentation at Isayev’s Lab at CMU. We identify several areas where existing methods have the potential to accelerate chemistry research and disrupt more traditional approaches.

First, we proposed a novel ML-guided materials discovery platform that combines synergistic innovations in automated flow synthesis and automated machine learning (AutoML) method development. A software-controlled, continuous polymer synthesis platform enables rapid iterative experimental–computational cycles that result in the synthesis of hundreds of unique copolymer compositions within a multi-variable compositional space. The non-intuitive design criteria identified by ML, accomplished by exploring less than 1% of overall compositional space, upended conventional wisdom in the materials design.

Second, many chemical methods, such as HPLC, still require experimental setup based on domain-knowledgeable human experts. Experimental automation coupled with autonomy in the Cloud Lab environment has led to substantial growth in the availability of historical data on HPLC method development. This highlighted the need for automatic on-the-fly validation of acquired experimental results. Herein, we developed an automated ML-based approach

to characterize HPLC data retrospectively and autonomously validate the massive parallel HPLC execution at the CMU Cloud Lab facility.

For complete details and to make a dinner reservation, please visit our society's website. Deadline for dinner reservations is Monday, November 6, 2023 by noon.

<https://chemistryoutreach.org/meeting/>

## 2023 Faraday Lecture

“Water is to me, I confess, a phenomenon which continue awakens new feelings of wonder as often I view it” - Michael Faraday (1853)

For 36 years the Faraday Science Lecture has greeted the holiday season in Pittsburgh, and it returns this year in all its grandeur. The demonstrations in chemistry and physics have both amazed and encouraged middle and high school students for generations, and this year promises to provide these eager minds an opportunity to explore, enjoy, and marvel at the phantastic world of science. **This Lecture is free and open to all middle and high schools – however seating availability is *first come – first serve!***

For this year’s event, it is our pleasure to feature John “Merlin” Williams and his ensemble of Master Alchemists of the Kiski Science Society. Through the use of the Philosopher’s Stone, they will take the audience on a mystical journey, challenging our concepts of chemistry and physics. Energy, pressure, and light will be manipulated in a number of demonstrations to show that science isn’t always science, and even Wyverns can be hidden in plain sight. At the culmination of the lecture, it is hoped that the audience will be intrigued and curious of their surroundings, and that a new generation is inspired to further the study of scientific fields.

**How to attend the Lecture:** The free event will be held at Soldier’s & Sailor’s Memorial Hall in Oakland, 4141 Fifth Avenue, Pittsburgh, PA 15213. There will be a single lecture on Tuesday November 14, 2023, with doors opening at 9:30 am and the demonstration being conducted from 10:00 till 11:30 am. The presentation will only be conducted in-person; however, an on-demand video will be available after the event for those who registered. For schools that are outside the local area – to include international parties – that have an interest in gaining access to the on-demand video, please email Cally Shouse at [shousec@pittcon.org](mailto:shousec@pittcon.org)

Event registration can be found at <https://pittcon.org/faraday/>

Questions can be directed to Cally Shouse: [shousec@pittcon.org](mailto:shousec@pittcon.org)

## About Michael Faraday



The namesake for the Faraday Lecture is Michael Faraday, a British scientist who lived in the early to mid-1800's. Although he had little formal education Mr. Faraday was one of the most influential scientists in history. Even today he is recognized as a top scientist.

As a physicist he discovered the principles of electromagnetic induction, electro-magnetic rotations, the magneto-optical effect, diamagnetism and field theory. As a chemist he discovered benzene and an early form of the Bunsen burner as well as several other accomplishments.

During the time of Faraday there was very little organized education for young people. In 1825 Faraday started Christmas lectures at the Royal Institution of Great Britain. Faraday and other prominent people gave lectures on different scientific topics. The lectures in his namesake continue to this day, across the United States and throughout the world.

### Faraday Lecture Sponsors

The Faraday Lecture is sponsored by the Society of Analytical Chemists of Pittsburgh (SACP) and the Spectroscopy Society of Pittsburgh (SSP). Funding for the Faraday Lecture comes from Pittcon, a yearly conference and exposition serving the broad field of laboratory science. The SACP/SSP is dedicated to furthering science education in Pennsylvania, Ohio, West Virginia, New York, New Jersey, and Maryland. Please visit [www.ChemistryOutreach.org](http://www.ChemistryOutreach.org) for more information and to view other educational programs, teacher and student awards, and a wide variety of grant programs.



The SACP and SSP are pleased to announce the 36<sup>th</sup> iteration of the Pittsburgh Faraday Lecture, to be held at the Pittsburgh Soldier's and Sailor's Hall, on Tuesday November 14, 2023. The event is **free for all middle and high schools but is *first come – first serve for seating availability***. Doors will open at 9:30 am with the demonstration being conducted from 10:00 till 11:30 am. The presentation will only be conducted in-person; however, an on-demand video will be available after the event for those who registered. Parking instructions will be provided with the registration response. For schools that are outside the local area, to include international parties, that have an interest in gaining access to the on-demand video, please email Cally Shouse at [shousec@pittcon.org](mailto:shousec@pittcon.org). Event registration can be found at <https://pittcon.org/faraday/>, and questions can be directed to Cally Shouse at [shousec@pittcon.org](mailto:shousec@pittcon.org).

This year we are pleased to announce that Dr. John Williams and the Kiski Science Society will lead the Lecture. A number of experiments will be conducted, addressing concepts of pressure, energy, and color – with the goal of using these demonstrations to explain associated principals of chemistry, physics, and spectroscopy. It is through these displays that Dr. Williams will look to keep the philosophy of the original Faraday Christmas Lectures, by providing an entertaining tutorial on how the various presentations apply to everyday life, and inspire future generations of scientists. If you are a teacher, please consider bringing your students to the event; also, we ask that everyone help spread the word of the event to those educators who may not be familiar – this includes international schools that may not have access to a local Faraday Lecture.

Michael Faraday, the namesake for the Lecture, was a British scientist who lived in the early to mid-1800's. Although he had little formal education, Mr. Faraday was one of the most influential scientists in history. As a physicist he discovered the principles of electromagnetic induction, electro-magnetic rotations, the magneto-optical effect, diamagnetism, and field theory. As a chemist he discovered benzene, developed an early form of the Bunsen burner, theorized the concept of oxidation numbers. During this historical period, there was very little organized education for young people, and in 1825 Mr. Faraday started a Christmas lecture series at the Royal Institution of Great Britain. Mr. Faraday and other prominent people gave several lectures on different scientific topics for the youth-based audience. Since that time, annual lectures have continued at the Royal Institute, across the United States, as well as in numerous other countries.



## American Chemical Society Pittsburgh Section

[www.pittsburghacs.org](http://www.pittsburghacs.org)

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Dear Academic ACS Pittsburgh Section Members,

The Pittsburgh Section of the American Chemical Society has budgeted funds to help encourage undergraduate/graduate student participation in national and regional ACS meetings. The awards are intended to help defray meeting registration and travel-related expenses (lodging, transportation, per diem) for eligible students. Awards will be made based on the scientific merit of the paper/poster to be presented, financial need, and preference will be given to ACS members.

To apply for the funds, applicants should complete the attached application and return it by the relevant deadline. The deadlines for receipt of applications are as follows:

- **06/01 (for travel to be completed by 12/31)**
- **12/01 (for travel to be completed by 06/30)**

As noted on the application, students should include an abstract and confirmation (if received) of the paper/poster being accepted for the Meeting. In addition to the application form, applicants should include a recommendation letter from the PI of the project being presented and/or a recommendation letter from another and a personal statement as to the anticipated benefits of meeting attendance.

Applications can be made electronically (*preferred*) by emailing the application to Heather Juzwa ([hljuzwa@shimadzu.com](mailto:hljuzwa@shimadzu.com) or [heather\\_sapko@hotmail.com](mailto:heather_sapko@hotmail.com)) or by mailing a hard-copy application (Pittsburgh Section ACS Travel Grants / Heather Juzwa / Center / 321 Winners Circle / Canonsburg, PA 15317).

Since 2013, the Pittsburgh Section of the ACS has awarded up to four \$500 grants each year to aid our undergraduate/graduate student members in presenting papers or posters at ACS Meetings. This is an ongoing program in our Section, and details will be updated on our website ([www.pittsburghACS.org](http://www.pittsburghACS.org)) as necessary.

Applicants will be notified via email that their application was received. All efforts will be made to announce awards within two weeks of the application deadline, and all applicants will be notified of the final committee decisions. Our Section is looking forward to helping increase the participation of local students in ACS conferences. If you have any questions, please do not hesitate to contact me.

Sincerely,

Heather Juzwa, ACS Pittsburgh Section Student Travel Grants, Chair  
Senior Field Sales Engineer, Shimadzu Scientific Instruments, Inc



American Chemical Society  
Pittsburgh Section

[www.pittsburghacs.org](http://www.pittsburghacs.org)

Application Deadline	Travel Completion Date
December 1	June 30 (subsequent year)
June 1	December 31 (same year)

Name of Applicant: \_\_\_\_\_

Name of Institution: \_\_\_\_\_

\_\_\_\_\_ Undergraduate Student / Year

\_\_\_\_\_ Graduate Student / Year

Mailing Address to Receive Payment if Awarded:

\_\_\_\_\_  
\_\_\_\_\_

Email: \_\_\_\_\_ Phone: \_\_\_\_\_

PI: \_\_\_\_\_

ACS Membership No.\*: \_\_\_\_\_

*\*If you do not know your ACS number, please email [hljuzwa@shimadzu.com](mailto:hljuzwa@shimadzu.com) to receive it by email.*

Meeting Location: \_\_\_\_\_ Meeting Date: \_\_\_\_\_

Project Title: \_\_\_\_\_

\_\_\_\_\_ Paper Presentation      \_\_\_\_\_ Poster Presentation

*\*Please attach a copy of your project abstract to the application.*

Has your project been accepted?      Yes      No

*\*Attach documentation regarding acceptance if received at point of application.*

Will this be your first presentation at an ACS national or regional meeting?      Yes      No

If no, please list conferences at which you have presented: \_\_\_\_\_

Purpose of grant: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Other funding sources (if any): \_\_\_\_\_

\_\_\_\_\_

Personal Statement of anticipated benefits of meeting attendance: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Has the applicant received a travel grant from the ACS Pittsburgh Section in the past?    Yes                      No

If your application was selected, the Pittsburgh Section of the ACS would like you to write a short (one page) description of your activity upon completion of the conference for publication in our monthly newsletter, The Crucible, and on our website. The description is due within 30 days of the meeting attended. Photos are welcomed and encouraged.

I am willing to complete this report:                      Yes                      No

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Send completed hard-copy applications and supporting documentation to:

Pittsburgh Section ACS Travel Grants

Heather Juzwa, 321 Winners Circle, Canonsburg, PA 15317

Electronic copies of completed applications should be sent to [hljuzwa@shimadzu.com](mailto:hljuzwa@shimadzu.com) and [heather\\_sapko@hotmail.com](mailto:heather_sapko@hotmail.com). Be sure to place "Pittsburgh Section ACS Travel Grants" in the subject line.



## The Crucible

*The Crucible* is published monthly, August through May. All statements and opinions expressed herein are those of the editors or contributors and do not necessarily reflect the position of the Pittsburgh Section.

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## 2023 Pittsburgh Section Officers

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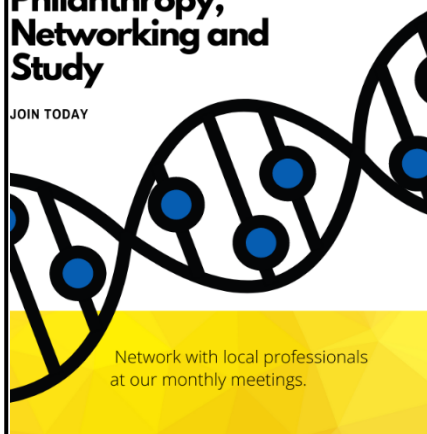
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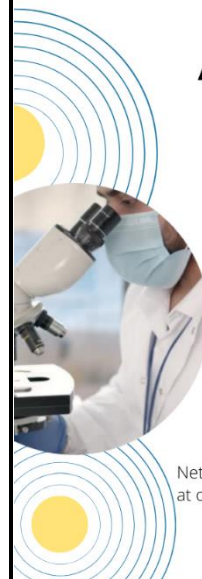
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3.5" x 2"	\$50	\$45	\$25	\$20

## Volunteer with Us!

We are always looking for new people to join the Pittsburgh Section Executive Committee. Email our Chair to inquire about opportunities.

## The Crucible Deadline

The deadline for items submitted to The Crucible is the 25<sup>th</sup> of the month prior to publication. For example, all items for the February 2023 issue must be to the editor by January 25<sup>th</sup>, 2023.

## ACS Regional Awards – Apply Today!

More information can be found [here](#)