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Annual Awards Dinner

Wednesday, May 25, 2022

Co-Sponsored by

THE SOCIETY FOR ANALYTICAL CHEMISTS OF PITTSBURGH
THE SPECTROSCOPY SOCIETY OF PITTSBURGH
THE PITTSBURGH SECTION, AMERICAN CHEMICAL SOCIETY

Duquesne University
Power Center

Social Hour – 5:30 P.M.
Dinner – 6:30 P.M.

Entrée Choices
Parmesan Crusted Chicken
Eggplant Parmesan

Cost of Dinner for members and/or guest - $15.00 per person.
Each member may bring one guest.

Dinner Reservations must be made by May 18, 2022 before noon by using the following link: https://chemistryoutreach.org/awards-reception/

Parking: For parking, please use the Duquesne University Parking Garage on Forbes Avenue. Please bring your parking ticket to the registration desk for a parking validation sticker.
The Pittsburgh Section supported 4 students in their trip to San Diego for the ACS Spring 2022 National Meeting. They each wrote a report about their experience, and we’d like to share them with you all!

**Tyler Hines**

I would like to thank the members of the ACS Pittsburgh section for this travel grant award. I was able to attend the ACS San Diego conference along with five of my classmates from Washington & Jefferson College. Attending the conference was an incredible opportunity that I am extremely grateful for. As an undergraduate about to graduate in the spring, I was excited for the opportunity to present my research on reducing spin-lattice relaxation times of aniline derivatives for solid-state NMR. This was the first time that I was involved in research which made me very proud of my work and added to my excitement to present it. Attending this conference gave me the much-needed experience in creating a poster and talking about my work with other members of the scientific community. At my poster presentation, I met a number of alumni from Washington & Jefferson College that were able to give me helpful advice for the future. One of the alums is currently attending the Colorado School of Mines, which at the time I was applying for their applied chemistry PhD program. I had a conversation with her about the school and their program. I learned a lot about the school, and it led me to become more excited about pursuing a PhD at the Colorado School of Mines. I have since been accepted and will be starting the journey to obtain my PhD in applied chemistry in the fall of 2022.

I am most interested in inorganic and environmental chemistry, but the first day I was in San Diego, I attended a variety of talks on different topics. I first listened to presentations on topics including organic chemistry, photochemistry, and medicinal chemistry. I found parts of these presentations interesting, but I was easily getting confused and struggling to focus at times. After testing the waters with these other disciplines, I went to the various inorganic and environmental chemistry talks and loved every second of them. Going to a variety of presentations helped me solidify that I want to work in the areas of inorganic and environmental chemistry in the future.

While the presentations were interesting, attending the poster sessions was the most significant part of the conference as it opened my eyes to the reality of the scientific community. I have always had the impression that at conferences like these, most people can understand any of the research they come across without much difficulty. This intimidated me and I was very nervous to ask questions and admit that I did not know something. However, through the poster sessions, I saw that most of the conversations were questions being asked due to a lack of understanding and that everyone was happy to teach each other. I was even able to teach a few people about solid-state NMR, which was surprising to me. While at one of the poster sessions, I was able to catch up with an old friend who transferred from my college. We talked mostly about our respective colleges and our experiences related to chemistry. I feel like I learned a lot during this conversation due to the differences in our experience. Through re-connecting with this person, I realized how much can be learned through sharing personal experiences. Because of these experiences at the poster sessions, I am excited to attend more conferences in the future.

Thank you again to the ACS Pittsburgh division for providing me with support to attend this amazing event. It was an unforgettable experience and I look forward to attending future scientific conferences.
Seth Fischer

Dear Pittsburgh ACS,

I would like to thank you for the wonderful opportunity that I got to have and travel to San Diego to present my research that I have been doing. I had such an excellent time down there learning about science and learning about different pathways I can take in my future.

I loved presenting in the convention center. Lots of different people came to my poster ranging from professors to a person who worked in an energy company. I also enjoyed looking at the other posters around me. I remember the person who was presenting next to me was presenting on sugar. He kept saying that his research was a sweet time. With different people coming to my poster, I also learned a lot more about my research and was able to start thinking a bit more on what I need to do next.

I was also able to see some of my friends from high school and talk about the different research that we are doing. We talked about school and just enjoyed our time together. We were able to sit through different speakers and hear their stories of how chemistry has been used in their life. One of my favorite speakers was Dr. Donna Nelson and how she helps with the chemistry behind the television show, “Breaking Bad.”

The final thing we did on the trip was present our ACS poster. I was able to walk around to different ACS chapters and see how they are improving their chapters of ACS and see what events they are hosting for their campuses. I am hoping to implement some of these events into our own ACS chapter to help improve our chapter and to get more students involved.

Again, thank you for this great opportunity. I hope to continue in my research and to be able to present at other conferences. I had such a great time and will remember this trip for years to come.

Sincerely,

Seth Fischer
Kathryn James

The American Chemical Society Conference in San Diego provided a unique experience to not only present my research, but to dive headfirst into the science community. I travelled to the conference along with my professor, Dr. Baldauff, and two other students. Throughout our trip, our small group attended many speaker presentations, attended the graduate school fair and Expo, and presented our research projects.

Two of the most notable speakers for me were Dr. Donna Nelson and Dr. Burks. Dr. Nelson talked about her involvement with the TV show “Breaking Bad” and how media, such as shows and movies, can teach others about chemistry. Dr. Burks addressed the impact of forensic science on specific criminal cases. Since I am pursuing a forensic chemistry degree, Dr. Burks’ talk was extremely interesting to me as it highlighted the importance of chemistry in solving these crimes.

After listening to the speakers, my fellow students and I attended the graduate school fair to see what opportunities await us. I found it very helpful to hear various opinions about the types of schools and programs offering chemistry graduate programs. During the last day of our trip, we attended the Expo where we saw different scientific machines being promoted and displayed. The specialized chemistry tool dish washer sparked our interest because the idea of not having to wash our own glassware appealed to us students.

While the entire conference was very interesting, the most memorable experience for me during the trip was presenting my research on glyphosate. Talking to the science community about a project I have worked so hard on this last year made me excited to continue research and join new projects. I found the comments from people listening to me present as well as seeing how other students conducted their own experiments particularly helpful in furthering my education in science.

Presenting my research and attending the graduate school fair greatly impacted me. Both events forced me to begin thinking more in depth about my future. In particular, I began evaluating which graduate school I want to attend, whether I want a PhD or a master’s degree, and what type of research opportunities each school offers. Before attending the conference, I did not even realize that the type of research being performed in the graduate programs should be part of my decision.

I am extremely grateful for being provided this opportunity to attend the spring ACS conference in San Diego. Thank you for giving me this unforgettable learning experience.
Call for Nominations

Pittsburgh Section of the ACS Pittsburgh Award

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 consists of a plaque presented annually at a section dinner. 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.


The Distinguished Service Award

The Distinguished Service Award was established in 2007 by the Pittsburgh Section of the 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, which is 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 both awards are solicited from the membership of the Pittsburgh Section. Please include your contact information, the nominee’s contact information, any supporting letters, and the nominee’s CV. More information about the awards, including information on past winners can be found on the ACS website:

https://pittsburghacs.org/awards/

Please send all nominations (or questions about nomination process) to Pittsburgh Section Chair-Elect, Edward P. Zovinka, ezovinka@francis.edu. Nominations are due no later than Tuesday, September 6, 2022.
Congratulations to our 2022 50-, 60- and 70-Year Members

50-Year Members
Mr. David A. Danner
Mr. Charles Leslie Holifield
Ms. Katherine Anne Holter
Dr. Howard Maxwell Jernigan
Dr. Kenneth David Jordan
Mr. Peter Kamarchik Jr.
Mr. Chia-Cher Mike Lin
Dr. Dennis C. Prieve
Ms. Margaret Noether Stevens
Dr. Richard Curtis Ulsh
Mr. Joseph Theodore Valko
Mr. Arthur Wayland Wells

60-Year Members
Dr. Guy Curtis Berry
Dr. Richard Gregg Lett
Dr. Ronald E. Montgomery
Dr. Donald David Naragon
Mr. Michael A. Semon
Dr. Marshal Sanford Strahl

70-Year Members
Mr. Richard E. Edwards Jr.
Prof. Donald J. Plazek
Dr. Jack H. Singleton
Dr. E. Lowell Swarts
Dr. Lyon Mandelcorn

We are proud to recognize our long-standing ACS members for their service and accomplishments over the years. We offer a humble thank you for being part of the ACS community, and we appreciate your commitment to our society.

Access the ACS Journals through the Carnegie Library!

ACS Journals can be accessed online in any Allegheny Country Carnegie Library branch. Below is a list of the available journals for 2022. Simply search for the journal in the Carnegie Library Catalog when you are at a branch. These cannot be accessed remotely from your home or office. If you have any questions, please contact Alysia Mandato at crucible@pittsburghacs.org.

LIST OF AVAILABLE ACS JOURNALS, 2022

<p>| Accounts of Materials Research | ACS Omega | Inorganic Chemistry |
| ACS Agricultural Science &amp; Technology | ACS Organic &amp; Inorganic Au | JACS Au |
| ACS Applied Biomaterials | ACS Pharmacology &amp; Translational Science | Journal of Agricultural and Food Chemistry |
| ACS Applied Electronic Materials | ACS Photonics | Journal of Chemical &amp; Engineering Data |
| ACS Applied Energy Materials | ACS Physical Chemistry Au | Journal of Chemical Education |
| ACS Applied Materials &amp; Interfaces | ACS Polymers Au | Journal of Chemical Information and Modeling |</p>
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<td>ACS Applied Nano Materials</td>
<td>ACS Sensors</td>
<td>Journal of Chemical Theory and</td>
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<td>ACS Applied Polymer Materials</td>
<td>ACS Sustainable Chemistry &amp;</td>
<td>Computation</td>
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<td>ACS Bio &amp; Med Chem Au</td>
<td>Engineering</td>
<td>Journal of Combinatorial Chemistry</td>
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<td>ACS Biomaterials Science &amp;</td>
<td>ACS Synthetic Biology</td>
<td>Journal of Industrial &amp; Engineering</td>
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<td>ACS Catalysis</td>
<td>ACS Nano</td>
<td>Journal of Medicinal Chemistry</td>
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<td>ACS Central Science</td>
<td>ACS Nanoscience Au</td>
<td>Journal of Natural Products</td>
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<td>ACS Chemical Biology</td>
<td>Analytical Chemistry</td>
<td>The Journal of Organic Chemistry</td>
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<td>ACS Chemical Health &amp; Safety</td>
<td>Biochemistry</td>
<td>The Journal of Physical Chemistry</td>
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<td>ACS Chemical Neuroscience</td>
<td>Bioconjugate Chemistry</td>
<td>The Journal of Physical Chemistry A</td>
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<td>ACS Earth and Space Chemistry</td>
<td>Biotechnology Progress</td>
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<td>ACS Energy Letters</td>
<td>Chemical Research in Toxicology</td>
<td>The Journal of Physical Chemistry</td>
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<td>ACS Engineering Au</td>
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<td>Letters</td>
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<td>ACS Environmental Au</td>
<td>Chemical Reviews</td>
<td>Journal of Proteome Research</td>
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<td>ACS ES&amp;T Engineering</td>
<td>Energy &amp; Fuels</td>
<td>Langmuir</td>
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<td>ACS ES&amp;T Water</td>
<td>Environmental Science &amp; Technology</td>
<td>Macromolecules</td>
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<td>ACS Food Science &amp; Technology</td>
<td>Environmental Science &amp; Technology</td>
<td>Molecular Pharmaceutics</td>
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<td>ACS Infectious Diseases</td>
<td>I&amp;EC Product Research and</td>
<td>Nano Letters</td>
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<td>ACS Materials Au</td>
<td>Industrial &amp; Engineering Chemistry</td>
<td>Organic Letters</td>
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<td>Analytical Edition</td>
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<td>Industrial &amp; Engineering Chemistry</td>
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<td>Fundamentals</td>
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<td>ACS Measurement Science Au</td>
<td>Industrial &amp; Engineering Chemistry</td>
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<td>ACS Medicinal Chemistry Letters</td>
<td>Industrial &amp; Engineering Chemistry</td>
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<td>ACS Nano</td>
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American Chemical Society
Pittsburgh Section
Award Banquet

Honoring
2020 Pittsburgh Award Recipient
Ms. Leigh-Ann Humbert
2021 Pittsburgh Award Recipient
Mr. W. Richard Howe

2021 Distinguished Service Award Winner
Dr. Evonne Baldauff

Thursday, June 16, 2022

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

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

Dinner Registration
Registration must be submitted by Monday, June 6, 2022: $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/awardsdinnermealregistration/

In lieu of electronic payment, checks payable to ACS Pittsburgh Section are accepted; mail to Dr. Kim Woznack, 250 University Ave. Box 56., California, PA 15419. Due to delays in mail processing please also send an email to Kim at woznack@calu.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 Vegetable Ravioli

If you have any special dietary concerns, please let us know.
COUNCILOR’S CORNER – Rich Danchik

This is a new way for the ACS Pittsburgh Section Councilors to introduce themselves to the ACS Pittsburgh Section Membership. This will be a monthly edition for The Crucible.

I am Rich Danchik, Senior Councilor for the Pittsburgh Section. I have been a Councilor for the Pittsburgh Section for over 26 years. I started in the Pittsburgh Section as Assistant Secretary in 1971. I have been a member of the ACS for over 52 years.

I received my B.S. in Chemistry from Duquesne University and earned my Ph.D. in Analytical Chemistry from Wayne State University. I joined Alcoa (Aluminum Company of America) in the Analytical Chemistry Division of Alcoa Laboratories where my research interests included Atomic Absorption Spectroscopy, Electroanalytical techniques, selective ion electrodes, and the development of automated process control systems.

I became the Manager of ALCOA’s Environmental Health Laboratory and had the responsibility for the development of new methodology and instrumentation in the field of Industrial Hygiene Chemistry. I am now consulting in the areas of Analytical Chemistry, Environmental, and Industrial Hygiene Chemistry.

I served as the 1991 Chairman of the Pittsburgh Section and am active in the National ACS as a member of the Budget and Finance Committee. I have been a member of the International Activities Committee and Subcommittee Chair of the Meetings and Exposition Committee. I served on numerous committees for the Pittsburgh Section.

I have been actively involved with the Pittsburgh Conference (Pittcon) for over 50 years and served as the 1986 President. I was also Chairman of the Society for Analytical Chemists of Pittsburgh (1979-1980). I was also active with ASTM (American Society for Testing Materials) and was Chairman of ASTM D22 Committee on Air Quality (2000-2006). I served on the Advisory Board of Analytical Chemistry and have authored or co-authored a number of technical articles.

I married Dr. Rita Windisch, Ph.D. in Biochemistry and Clinical Chemistry. We met as members of the Pittsburgh Conference Committee.

Outside of the Chemistry World, I like to golf, garden, and I am a musician. I have had a band since I was eleven, and I still play the accordion in my group. I was a member of the Duquesne University Tamburitzans and performed in the United States and Europe as a musician and dancer.

I hope this gives you more insight into my background and interests. I look forward to continuing my service to the Pittsburgh Section and the National ACS.

Sincerely submitted,

Rich Danchik
Each year, the Pittsburgh local section features an “On the Road” event, which has the Mildred E. Perry Memorial Lecture. This is a great opportunity for local section chemists to visit your site or campus. The organizers choose the speaker and program details. Past organizers would be happy to share our experiences and websites if the host location is interested. In 2021, this event was hosted by Saint Francis University and featured Dr. Lan Deng from PPG. The event was virtual, and we encourage virtual events during these uncertain times. If your institution is located in the Pittsburgh Local Section and you would like to host the 2022 ACS “On the Road” event, please contact ACS Chair, Kim Woznack (woznack@calu.edu).
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 (hluzwa@shimadzu.com or 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) 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

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<th>Application Deadline</th>
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<tr>
<td>December 1</td>
<td>June 30 (subsequent year)</td>
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<td>June 1</td>
<td>December 31 (same year)</td>
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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 hjuzwa@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 hjuzwa@shimadzu.com and 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.

Design Editor: Alysia Mandato, crucible@pittsburghacs.org

2022 Pittsburgh Section Officers

Chair                 Kim Woznack
                      woznack@calu.edu
Chair-Elect           Ed Zovinka
                      zovinka@pittcon.org
Secretary             Alysia Mandato
                      atm75@pitt.edu
Secretary-Elect       Jiahan Xie
                      jiahan-xie@braskem.com
Treasurer             Matt Price
                      price@calu.edu
Treasurer-Elect       Matt Price
                      price@calu.edu
Directors             Michael Mautino
                      Toby Chapman
                      Dave Waldeck
                      Heather Juzwa
                      Evonne Baldauff
                      Logan Miller

Volunteers Needed!

We recently updated our website and are looking for someone to help with maintenance. If you are interested in volunteering, please contact Heather Juzwa at hljuzwa@shimadzu.com!

Advertise in The Crucible

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The Crucible Deadline

The deadline for items submitted to The Crucible is the 25th of the month prior to publication. For example, all items for the April 2022 issue must be to the editor by March 25th, 2022.

ACS Regional Awards – Apply Today!

More information can be found here

ACS
Chemistry for Life®