



American Chemical Society - Pittsburgh Section
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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



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 ahead 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.

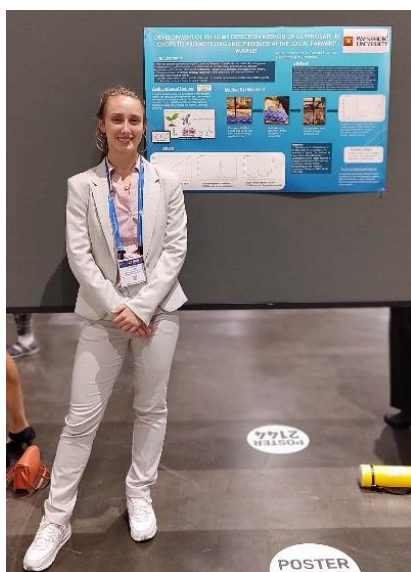
Sincerely,
Seth Fischer



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.

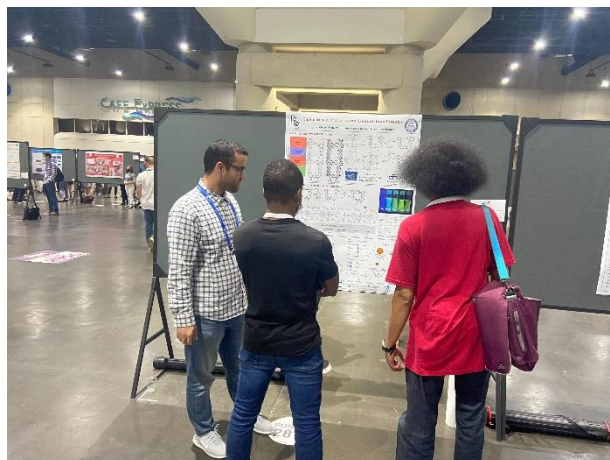
While the entire conference was very interesting, the most memorable experience for me during the trip was presenting my research on glyphosate. Talking to the science community about a project I have worked so hard on this last year made me excited to continue research and join new projects. I found 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.



Saber Mirzaei





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.

https://pittsburghacs.org/wp-content/uploads/2022/05/pittsburgh_award_2022_EZ.pdf

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.

<http://www.pittsburghacs.org/wp-content/uploads/2017/08/Dist-Service-Award-Nom-Form-Generic.pdf>

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 County 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

Accounts of Chemical Research	ACS Nanoscience Au	Industrial and Engineering Chemistry, News Edition
Accounts of Materials Research	ACS Omega	Inorganic Chemistry
ACS Agricultural Science & Technology	ACS Organic & Inorganic Au	JACS Au
ACS Applied Biomaterials	ACS Pharmacology & Translational Science	Journal of Agricultural and Food Chemistry
ACS Applied Electronic Materials	ACS Photonics	Journal of Chemical & Engineering Data
ACS Applied Energy Materials	ACS Physical Chemistry Au	Journal of Chemical Education
ACS Applied Materials & Interfaces	ACS Polymers Au	Journal of Chemical Information and Modeling

ACS Applied Nano Materials	ACS Sensors	Journal of Chemical Theory and Computation
ACS Applied Polymer Materials	ACS Sustainable Chemistry & Engineering	Journal of Combinatorial Chemistry
ACS Bio & Med Chem Au	ACS Synthetic Biology	Journal of Industrial & Engineering Chemistry
ACS Biomaterials Science & Engineering	ACS Nano	Journal of Medicinal Chemistry
ACS Catalysis	ACS Nanoscience Au	Journal of Natural Products
ACS Central Science	Analytical Chemistry	The Journal of Organic Chemistry
ACS Chemical Biology	Biochemistry	The Journal of Physical Chemistry
ACS Chemical Health & Safety	Bioconjugate Chemistry	The Journal of Physical Chemistry A
ACS Chemical Neuroscience	Biomacromolecules	The Journal of Physical Chemistry B
ACS Combinatorial Science	Biotechnology Progress	The Journal of Physical Chemistry C
ACS Earth and Space Chemistry	Chemical Research in Toxicology	The Journal of Physical Chemistry Letters
ACS Energy Letters	Chemical Reviews	Journal of Proteome Research
ACS Engineering Au	Chemistry of Materials	Journal of the American Chemical Society
ACS Environmental Au	Crystal Growth & Design	Journal of the American Society for Mass Spectrometry
ACS ES&T Engineering	Energy & Fuels	Langmuir
ACS ES&T Water	Environmental Science & Technology	Macromolecules
ACS Food Science & Technology	Environmental Science & Technology Letters	Molecular Pharmaceutics
ACS Infectious Diseases	I&EC Product Research and Development	Nano Letters
ACS Macro Letters	Industrial & Engineering Chemistry	News Edition, American Chemical Society
ACS Materials Au	Industrial & Engineering Chemistry Analytical Edition	Organic Letters
ACS Materials Letters	Industrial & Engineering Chemistry Fundamentals	Organic Process Research & Development
ACS Measurement Science Au	Industrial & Engineering Chemistry Process Design and Development	Organometallics
ACS Medicinal Chemistry Letters	Industrial & Engineering Chemistry Product Research and Development	Product R&D
ACS Nano	Industrial & Engineering Chemistry Research	



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



ACS Local Section
Pittsburgh



**Host the 2022
ACS “On the Road” and
Mildred E. Perry Memorial Lecture**

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).

American Chemical Society Pittsburgh Local Section

To advance the broader chemistry enterprise and its practitioners for the benefit of Pittsburgh region and its people.
www.pittsburghacs.org



American Chemical Society Pittsburgh Section

www.pittsburghacs.org

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 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

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 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 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 Woznick 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

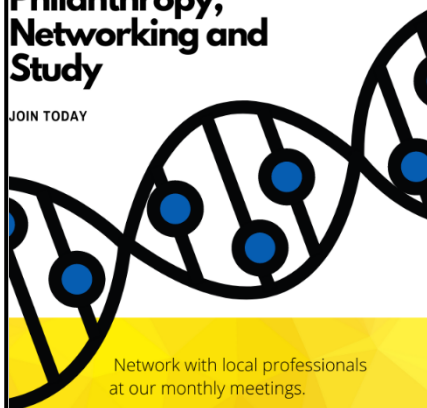
Spectroscopy Society of Pittsburgh



chemistryoutreach.org

Science Outreach through Philanthropy, Networking and Study

JOIN TODAY



Network with local professionals at our monthly meetings.

Society for Analytical Chemists of Pittsburgh
chemistryoutreach.org



Advancing Analytical Chemistry through Science Education

JOIN TODAY



Network with local professionals at our monthly meetings.

Advertise in The Crucible

	1X	3X	6X	10X
Full Page	\$120	\$115	\$100	\$75
Half Page	\$75	\$70	\$60	\$45
3.5" x 2"	\$50	\$45	\$25	\$20

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!

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](#)