



American Chemical Society - Pittsburgh Section
Volume CVIII, No. 9
April 2022

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American Chemical Society
Virtual Council Meeting
March 23, 2022

Actions of the Council

Election Results

Candidates for President-Elect, 2023

- ✦ The Committee on Nominations and Elections presented to the Council the following nominees for selection as candidates for President-Elect, 2023: Frank Blum, Mary Carroll, Rigoberto Hernandez, and Ingrid Montes. By electronic ballot, the Council selected **Mary Carroll** and **Rigoberto Hernandez** as **candidates for 2023 President-Elect**. These two candidates, along with any candidates selected via petitions, will stand for election in the Fall National Election.

Candidates for Directors-at-Large

- ✦ The Committee on Nominations and Elections announced the selection of the following **candidates for Directors-at-Large** for 2023-2025 terms: **Milagros (Milly) Delgado, Malika Jeffries-El, Will E. Lynch and Ellene Tratras Contis**. The election of two Directors-at-Large from among these four candidates and any selected via petition will be conducted in the fall. Ballots will be distributed to all Councilors around October 1, 2022.

Council Actions

Committee on Committees Actions

- ✦ The Council approved the *Petition to Amend the Duties of the Committee on Chemists with Disabilities*.
 - This petition sought to change the language in the duties of CWD from **students** to **persons** to be more inclusive to ACS members of all levels and backgrounds participating in the Society's meetings and events.
- ✦ The Council approved the continuation of the Committee on Chemists with Disabilities
 - The Committee on Committee reviews each Society Committee no less often than every five years and advises the Board of Directors and Council whether they should be continued. ConC completed the performance review for the Committee on Chemists with Disabilities and recommended its continuation.

Committee on Budget & Finance Petition

- ✦ The Council approved the *Petition to Amend the Use of Dues*.
 - The petition has two major components. The first changes the basis for developing the total pool of allotments available for local sections and technical divisions. The second eliminates the connection between dues revenue and C&EN.

- The total resource pool available for distribution to Local Sections and Divisions will be funded via a quasi-endowment established from the Society's unrestricted investment balances. This replaces the previous pool that was funded through the allocation of 20% of dues revenue to local sections and divisions.

Committee on Divisional Activities Action

- ✦ The Council approved a division name change
 - Effective January 1, 2023, the Division of Carbohydrate Chemistry (CARB) will change its name to the Division of Carbohydrate Chemistry & Chemical Glycobiology (CARB).

Committee on International Activities Petition

- ✦ The Council approved a *Petition to Charter an International Chemical Sciences Chapter*
 - This petition, contingent on approval by the ACS Board of Directors, allows for a new International Chemical Sciences Chapter in Switzerland.

Committee on Membership Affairs

- ✦ The Council approved the extension of market testing of the international dues discount program based on World Bank country income levels
 - The test provides reduced dues for international members residing in emerging nations, which host an ACS chapter, and as defined by World Bank income criteria.
 - The test results to date have suggested a positive impact on membership through new members and the expanded inclusivity that a wider global community provides.
- ✦ The Council approved the 2023 Schedule of Membership
 - The 2022 Schedule went live a few short months ago, and the 2023 Schedule was designed to add more value and increased choice for membership by adding clarity and a more intuitive explanation of how our membership works.
 - The 2023 Schedule of Membership did not change any dues, benefits, eligibility, or privileges from the 2022 Schedule.

Resolutions

- ✦ The Council passed several resolutions:
 - in memory of Past President Nancy B. Jackson;
 - in memory of deceased Councilors;
 - to officers and members of the San Diego Local Section.

Highlights from Committee Reports

Budget and Finance

In 2021, ACS generated a net from operations of nearly \$79 million, which was almost \$48 million higher than budgeted. Total revenues were \$660 million, which was 5.2% or \$32.6 million over budget. Expenses for the year were \$581 million or 2.5% below budget. This overall result was attributed to strong revenue performance from the Society's Information Services units (CAS and ACS Publications), reduced spending due to COVID-19 related impacts, and careful management of expenses across the ACS.

The Society's overall financial position strengthened considerably in 2021 as Unrestricted Net Assets, or reserves, increased by \$123 million to \$676 million on December 31. The increase was primarily the

result of the \$79 million net from operations and growth of the Society's investments totaling \$71 million.

The Board's Committees and Task Forces

- ✦ Pending the approval by Council of the Petition to Amend the Use of Dues, the Board of Directors resolved to authorize the creation of a quasi-endowment from proceeds in the ACS General Fund. This would have an initial principal amount of \$85 million, the annual payout from which would fund individual technical divisions and local sections per the allotment policies established by the Committees on Divisional Activities (DAC) and Local Section Activities (LSAC). Further, the amount of funding available made available for this purpose would be the standard payout from this quasi-endowment or \$3.2 million, whichever is greater.

Other Society Business

Also, the Board adopted the resolution in memory of ACS Past President Nancy B. Jackson, who passed away in January.

Respectfully Submitted,

Richard S. Danchik (Author)

Kim Woznack

Haitao Liu

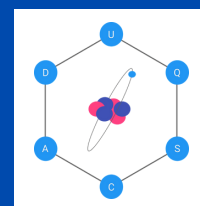
Kristin Nuzzio

CALL FOR ABSTRACTS

DUQUESNE UNIVERSITY AMERICAN CHEMICAL SOCIETY STUDENT AFFILIATES HOSTS THE



35TH ANNUAL ACS REGIONAL SYMPOSIUM



Share your research, sharpen your scientific communication skills, and get awarded for outstanding work!

**APRIL 9, 2022 8:30 AM TO 2:30 PM
AT DUQUESNE UNIVERSITY**

All undergraduate students participating in research in one of the following categories can participate:

Analytical Chemistry, Biochemistry, Physical Chemistry, Organic Chemistry, Inorganic Chemistry, Physics, Biology, Miscellaneous



UNDERGRADUATE
STUDENTS

Scan the QR code for [registration and abstract submission portal](#)



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Questions or concerns? Contact us via email at duqacs@gmail.com or visit our website duqacs.com!

Registration and abstract deadline is March 25, 2022



2022 CCEW Illustrated Poem Contest The Buzz About Bugs: Insect Chemistry

The **Pittsburgh Local Section of the American Chemical Society (ACS)** is hosting an illustrated poem contest for students in kindergarten through 12th grade. Entries must be sponsored by a local school or community group for verification purposes. This regional contest is open to students who live in the following Ohio, Pennsylvania, and West Virginia counties: **Ohio:** Jefferson; **Pennsylvania:** Allegheny, Armstrong, Beaver, Butler, Cambria, Clarion, Fayette, Greene, Indiana, Jefferson, Somerset, Venango, Washington, & Westmorland; **West Virginia:** Brooke, Hancock, & Ohio

Contest Deadline: Sunday, April 24, 2022 at 11:59 PM Eastern

Local Prizes: \$50 for 1st place in each of four grade categories: K-2nd, 3rd-5th, 6th-8th, 9th-12th

Local Contact: Alysia Mandato, CCEW@pittsburghacs.org

Submission: Submit entries online at <https://forms.gle/TZUBBvKiXqSNocQo9>

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!

Write and illustrate a poem using the CCEW theme, "The Buzz About Bugs: Insect 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 CCEW 2022 theme include:

Entomology	Eating Insects	Insect Molecules
Insect Bites	Pollination	Pollinators

Entries will be judged based upon:

Artistic Merit - use of color, quality of drawing, design & 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 yearly theme (The Buzz about Bugs: Insect Chemistry), 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. Physical drawings may be scanned or captured via camera and submitted to the online form. 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. If the illustration is created using a digital painting or drawing app, the name of the program must be included on the entry form.
- 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.
- Students must be sponsored by a school or another sponsoring group (e.g. Homeschool Association, Boys and Girls Club, Scout Troop, 4-H, etc.).
- All illustrated poems and/or digital representations of the poems become the property of the American Chemical Society.
- Acceptance of prizes constitutes consent to use winners' names, likenesses, and entries for editorial, advertising, and publicity purposes.

SACP/SSP Joint Meeting and Former Chair Night
Wednesday, April 13, 2022
Duquesne University

5:30 PM – Social Hour

6:30 PM - Dinner

7:15 PM - Business Meeting

(Approx.) 8:00 PM – Technical Program



SSP Technical Program

Hannah Kaplan, Ph D
NASA Goddard Space Flight Center

**“Analysis of the Asteroid Bennu as Part of the
OSIRIS-Rex Mission”**

Biography

Dr. Hannah Kaplan is a research space scientist in the Planetary Systems Laboratory at Goddard Space Flight Center. She uses infrared spectroscopy to understand the composition of planetary surfaces, asteroids, and meteorites, with the goal of determining the distribution of water and organics in our Solar System. Dr. Kaplan is a member of the OSIRIS-REx science team and the Lucy L’Ralph instrument science team.

Abstract

OSIRIS-REx is a spacecraft mission to near-Earth asteroid Bennu that has collected and will return a sample from the asteroid to Earth. Two spectrometers on the OSIRIS-REx spacecraft measured the visible, near-infrared, and thermal-infrared wavelengths of light reflected or emitted from the asteroid over multiple years of observation. This spectral data can be used to determine the chemistry and mineralogy of the asteroid, which in turn tell about its origin and geologic history. Major findings from the spectrometers include: the presence of hydrated minerals across the surface of Bennu, organic materials, and the minerals magnetite and carbonate. Dr. Kaplan will describe the OSIRIS-REx mission, asteroid Bennu’s history, and future asteroid exploration through the lens of infrared spectroscopy.

MEETING RESERVATIONS: For both in-person and virtual reservations, please [CLICK HERE](#). In-person reservations are due NO LATER THAN Tuesday, April 5, 2022. In-person entree choices include Lobster Romano or Stuffed Zucchini with Artichokes. Please let us know if you have any dietary restrictions. Dinner will cost \$10 (\$5 for undergraduate students). Checks can be made payable to either SACP or SSP, depending on your membership. Please note the dinner policy included in your document links regarding cancellations.

PARKING: Duquesne University Parking Garage entrance is on Forbes Avenue. Upon entering the garage, you will need to get a parking ticket and drive to upper floors. The Power Center can be accessed from the 8th Floor of the Forbes Garage. Bring your parking ticket to the dinner or meeting for a validation sticker. Please contact Duquesne University, if any difficulties should arise. If there is a special event, please note that you are there for an SSP or SACP meeting to get a parking ticket.

For any questions or problems, please contact Valarie at 412-825-3220 (Ext. 208).



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 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

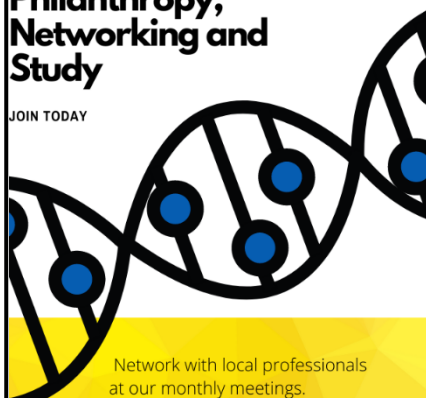
Spectroscopy Society of Pittsburgh



chemistryoutreach.org

Science Outreach through Philanthropy, Networking and Study

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Network with local professionals at our monthly meetings.

Society for Analytical Chemists of Pittsburgh
chemistryoutreach.org



Advancing Analytical Chemistry through Science Education

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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 hjuzwa@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](#)