

THE CHEMIST

Pauling Award Winner Selected

The Puget Sound Chemist

Volume 81 No. 7 - July 2020



2020 Linus Pauling Medal Award Recipient
Paul Chirik of Princeton University



Newsletter of the Puget Sound Section
of the American Chemical Society

FROM THE EDITOR



ACS
Chemistry for Life®

July 2020

THE PUGET SOUND CHEMIST

Newsletter of the
Puget Sound Section
of the
American Chemical Society

American Chemical Society Website

<https://www.acs.org>

Puget Sound Section Website

<https://www.acs.org/pugetsound>

Send us a Message:

[Contact Us Form](#)


We have received word that the ACS Career Day Seattle event that was originally scheduled for July 11th, 2020, has been postponed. The [website for the event](#) has not been updated to reflect this change in status as of yet.

The 2020 Linus Pauling Medal Award recipient is Professor Paul Chirik of Princeton University! Read more on [page 4](#).

Call for Nominations: We are calling for nominations for the 2020 Puget Sound Section Executive Committee elections. The window for submitting nominations closes August 31st, 2020. Terms start January 2021. Volunteering is a great way to develop leadership skills and expand your network. See details on [page 5](#).

The ACS Puget Sound Section's Career Resources webpage got an update: [Check it out!](#)

I am looking for input and feedback on our website's content and layout. If you have any critiques, I would love to hear them! [Please send me a message](#). If you want to get more deeply involved with our section's communication channels, [let me know](#).

Don't forget to "Like" our [Facebook page](#)  and follow us for upcoming programming!



Jonathan Clark

Newsletter Editor

CONTENTS

- 1 From the Editor
- 2 Contents
- 3 **Calendar of Events**
- 4 **News Briefs**
- 9 **Science Cafés**
- 10 **Scholarships, Grants & Awards**
- 12 **Younger Chemists Committee**
- 13 **Mark Your Calendar**
- 14 **Career Resources**
- 19 **Member Benefits**
- 22 **Executive Committee Roster**
- 23 **Other Outstanding Volunteers**



ACS
Chemistry for Life[®]

CALENDAR OF EVENTS



JULY **Postponed: [ACS Career Day Seattle](#)**

11

Time: TBD
Location: TBD

JULY **[Executive Committee Meeting](#)**

13

Time: 7:00pm
Location: Virtual Video Conference Only

AUG **AUG** **[260th ACS National Meeting - Fall 2020](#)**

17

20

Theme: Moving Chemistry from Bench to Market
Location: Virtual Only

MAR **MAR** **[261st ACS National Meeting - Spring 2021](#)**

21

25

Theme: Bonding Through Chemistry
Location: San Antonio, Texas

PUGET SOUND SECTION

Robbyn Anand | Iowa State University

Paper-strip urine test for at-home/office/clinic COVID-19 evaluation

'Chemists developing paper-strip urine test for at-home/office/clinic COVID-19 evaluation' is the article title.

[Read the full article here.](#) Way to go, Robbyn!

ACS Career Day Seattle*

July 11th, 2020 | 8:00am—4:00pm | Venue TBD

*We've received word that this event is going to be postponed.

More info can be found on the website:

<https://www.acs.org/content/acs/en/careers/career-events/seattle.html>

Saturday, July 11, 2020

Career Navigator LIVE!

ACS Career Day Seattle

2020 Pauling Award Recipient Announced!

Professor Paul Chirik of Princeton University

Professor Paul Chirik of Princeton University has been selected as the 2020 recipient of the Linus Pauling Medal Award for his work on catalysis with Earth-abundant elements and his impact on sustainable chemistry. The symposium where the medal will be presented is typically held in the fall (details TBD).

[Learn more about the 2020 Pauling Award.](#)



Call For Nominations

2020 Puget Sound Section Executive Committee Elections

The ACS Puget Sound Section is calling for nominations for its Executive Committee officers for positions starting in January 2021. There are five positions up for election. A brief description of the duties of each position is provided below. Please note that attendance at Executive Committee meetings is a responsibility for all positions.

Section Chair-Elect/Chair/Past-Chair

(1 Year Term per Position – One open position for 2021 - 2023)

This is a three year commitment serving one year each as Chair-Elect, Chair, and Past-Chair. The duties vary slightly with each position.

Chair-Elect

- attends Executive Committee meetings and facilitates meetings in the chair's absence
- heads the program committee
- attends the Leadership Institute training sponsored by ACS

Section Chair

- prepares agenda and leads monthly Executive Committee meetings
- appoints committee chairs
- ensures timely completion of business tasks

Past-Chair

- attends Executive Committee meetings
- provides support to the Chair, Chair-Elect, and the Executive Committee
- completes annual report for previous year
- leads the Nominating Committee

Call For Nominations *[Continued]*

2020 Puget Sound Section Executive Committee Elections

Secretary (1 Year Term – One open position for 2021)

The Secretary's primary duties include

- taking and distributing notes at Executive Committee meetings
- creating and managing the election ballot and working with election Tellers to validate election results
- submitting the election results and committee nominations to the national office.

Treasurer (1 Year Term – One open position for 2021)

The Treasurer's primary duties include

- preparing a monthly budget and managing the section's accounts
- managing cash inflows and outflows
- working with the finance committee to review the section's finances and prepare the annual budget
- completing the financial section of the annual report.

Councilor Position 1 (3 Year Term – One open position for 2021-2023)

The Councilor's primary duties include

- representing the section at the two National meetings and serving on national committees
- advising the chair, the Executive Committee, and other committee chairs
- volunteering or be assigned to serve on section committees and subcommittees

Alternate Councilor Position 1 (3 Year Term – One open position for 2021 -2023)

The Alternate Councilor's primary duties include

- fulfilling the role of a councilor when the councilor is not available
- attending the regional NORM meeting
- volunteering or be assigned to serve on section committees and subcommittees.

Councilor Position 4 (3 Year Term – One open position for 2021-2023)

The Councilor's primary duties include

- representing the section at the two National meetings and serving on national committees
- advising the chair, the Executive Committee, and other committee chairs
- volunteering or be assigned to serve on section committees and subcommittees

Alternate Councilor Position 4 (3 Year Term – One open position for 2021 -2023)

The Alternate Councilor's primary duties include

- fulfilling the role of a councilor when the councilor is not available
- attending the regional NORM meeting
- volunteering or be assigned to serve on section committees and subcommittees.

Call For Nominations [*Continued*]

2020 Puget Sound Section Executive Committee Elections

Nominations and Elections Timeline

Call for nominations	May 1 st – August 31 st
Voting (mail and online)	~September 16 th – October 7 th
Election Validated	By October 14 th

Nominating Committee

Leonard J. Andrews, Nominations Committee Chair

Nominations or questions?

Send your nominations and /or submit any questions using this form:

[ACS PSS Election Nominations and Comments Form](#)

2020 Chemistry Olympiad

Annual, Multi-tiered Competition for High School Students

The U.S. Chemistry Olympiad (USNCO) is an annual, multi-tiered competition for high school students. The Puget Sound Section proctors the Local Examination in March followed by the National Examination in April. Winners of the National Examination move on to compete at the international level in the International Chemistry Olympiad (IChO) in July.

The Local Examination is used to select the finalists that will move on to the national level of the Chemistry Olympiad (i.e the National Examination). The Puget Sound Section of the ACS is allowed a maximum of 13 finalists to move on to the national level. There is a limit of 2 finalists per school.



Please contact Dr. Clarita Bhat (cbhat@shoreline.edu) with any questions.

More information about the local and national exams can be found at:

<https://www.acs.org/content/acs/en/education/students/highschool/olympiad.html>

C&EN Article

‘Black chemists speak out about inequity in STEM’

C&EN posted the following article (dated June 19th, 2020):

Link: <https://cen.acs.org/careers/diversity/Black-chemists-speak-out-about-inequity-in-STEM/98/web/2020/06>

SCIENCE CAFÉS

Science Cafés

Grassroots Speaker Events Open to the Public

Science Cafés are gatherings open to the public held in pubs, restaurants, or bookstores where non-scientists can meet and talk with scientists about the latest issues in an informal atmosphere. There is no central organization for these grassroots Science Cafes which reflect their focus on local communities. You can learn more at: <http://www.sciencecafes.org/>

Science in the City

Lectures by the Pacific Science Center

The Pacific Science Center organizes an excellent Science Lecture series. The lectures are free and open to the public. They are held at the Pacific Science Center in Seattle, WA.

**Pacific Science Center
Lectures Webpage**

Science on Tap

Seattle Science Café

Science on Tap events are free and open to the public.

**Science on Tap
Webpage**

Olympia Science Café

Science Café in Lacey, WA

Puget Sound Section | Awards and Scholarships

The ACS PSS Education Committee offers the following awards and scholarships:

The \$1500 College Student Scholarship application forms have been updated and are linked below. Application forms for the other awards/grants will be available on the [website](#). Please [send us a message](#) or email Jennie Mayer (Education Committee Chair; jennie.mayer@bellevuecollege.edu) with any questions.

K-12 Educator Grants, up to \$500.

Grant applications are accepted at any time during the year. Click on the application link for details.

Application Form: ([Word](#)) ([PDF](#)) [Applications are accepted until funds are spent.](#)

2-year College Student Scholarships (William J Wasserman Memorial Scholarship), \$1500.

Click on the following links for the application forms, due dates and other details.

Application Form: ([Word](#)) ([PDF](#)) **Application Deadline: March 1st, 2020**

([Puget Sound Section Colleges List](#))

4-year College Student Scholarships (Julia Ann Rutherford Memorial Scholarship), \$1500.

Click on the following links for the application forms, due dates and other details.

Application Form: ([Word](#)) ([PDF](#)) **Application Deadline: March 1st, 2020**

([Puget Sound Section Colleges List](#))

High School Teacher of the Year Award, \$250 plus \$750 for Chemistry Lab Supplies.

The Section accepts nominations from January 1 - April 30 each year and selects one teacher for this award.

Nomination Form: ([Word](#)) ([PDF](#)) **Application deadline: April 30th, 2020**

ACS Student Affiliate Chapter Grants for activities and/or travel, up to \$500.

A request must be submitted to the Executive Committee with details well in advance of the need.

Funding is limited and may be granted on a first come first served basis.

Application Form: ([Word](#)) [Applications are accepted until funds are spent.](#)

The committee welcomes new members! Please [contact us](#) if you are interested in joining.

Our current committee members are: Leonard Andrews, Sailaja Arungundram, Clarita Bhat, Gwen Gross, Jennie Mayer (Chair), David Munch, Despina Strong, Alicia Taylor, Lauren Wugalter, Amar Yahiaoui and Kirby Zornes

For more details and applications, visit our [webpage](#):

**Scholarships, Grants
and Awards Webpage**

Heros in Chemistry Award

National American Chemical Society Award

[Heroes of Chemistry](#) is an annual award sponsored by the American Chemical Society that recognizes talented industrial chemical scientists whose work has led to the development of successful commercialized products ingrained with chemistry for the benefit of humankind.



The nomination period for the 2020 Heroes of Chemistry Award opened November 1st, 2019 and ended February 1st, 2020.

For more information on the application process, please visit the [Nominations Procedures](#) page. You can also email chemhero@acs.org.

ACS-HACH Professional Development Grants

Professional Development Grants for High School Teachers

The application period for the [ACS-Hach Professional Development Grant](#) is currently closed. With this grant, high school chemistry teachers can request up to \$1,500 to pursue opportunities that advance their professional development and enhance the teaching and learning of chemistry. Applications are accepted between October 15th-January 4th annually.



National Women Chemists Committee Awards

Awards for Women Chemists

[WCC Awards Page](#)



YCC Monthly Meetings

July 2020

The YCC advocates for and provides resources to early-career chemists and professionals in the chemical sciences and related fields. If you may not be an 'early-career professional', the YCC still welcomes you to help ignite the curiosity and success of young minds.

We would love to have you join us every month and learn how you can get involved with your local ACS section! Anybody is welcome to attend these meetings so please feel free to invite your friends/colleagues.



MARK YOUR CALENDAR

260th ACS National Meeting | Fall 2020

August 17th- 20th, 2020 | Virtual Only

Theme: Moving Chemistry from Bench to Market



Pacifichem 2020: A Creative Vision for the Future

December 15th-20th, 2020 | Honolulu, Hawaii

Pacifichem is a conference that is organized by seven host societies, including the American Chemical Society.

Learn more on the Pacifichem website: <https://pacifichem.org/>

CAREER RESOURCES

ACS Career Resources

Powerful Career Advancement Tools

Many opportunities and career resources are available on the ACS website for ACS members! Check them out!



**ACS
Career Resources**

**ACS
Career Consulting**

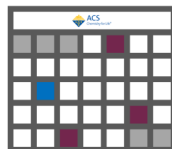
**ACS National
Job Postings**

**ACS Puget Sound
Resources & Job Postings**

ACS Puget Sound Section Career Event

Annual Event Focused on Chemistry Careers

The Puget Sound Section hosts a Career Event each year (usually held in February) at a local business or governmental facility. These events present great opportunities to see the scope of the activities of the hosting organizations. The event is recommended for all undergraduate science students. Admission is free. The event is open to all, however, space is usually limited and registration is required. Keep an eye on our Event Calendar for details regarding the next event.



**ACS Puget Sound
Event Calendar**

Internships

Opportunities for Gaining Job Experience

King County Internships

Washington Conservation Corps

Ecology Youth Corps

CAREER RESOURCES

Example Job Position Title

Job Posting Key

Company or Organization Name | City, State | ACS PSS Posting Date: mm/dd/yyyy

Short description of the job position.

The company or organization's name will include a hyperlink to their website.

The job position title will include a hyperlink to any pertinent web posting for the position, if available.

Quality Control Lab Chemist

System One | Everett, WA | ACS PSS Posting Date: 06/03/2020

The System One has an exciting opening for a Quality Control Lab Chemist in Everett, WA. This is a professional quality position to support the quality assurance activities of our client's radiopharmaceutical Targeted Alpha Therapy (TAT) Program. This is a direct hire opportunity offering competitive salary and a full benefits package.

The Quality Control Lab Chemist (QC) reports to the TAT Quality Manager. Initially, this position will assist in developing the QC laboratory operation portions of the Quality Management System to Title 21 CFR 210/211 and ICH Guides. The role will then perform day-to-day QC sampling, testing and recording of radioactive chemicals.

Responsibilities

- Develop analytical test methods according to ICH - Q2 guidelines for analytical methods (Gamma spectroscopy, Alpha spectroscopy, ICP-MS/OES).
- Perform chemical and physical testing of raw materials, in-process materials, and finished products.
- Communicate testing results and disposition to QA Director as required
- Support data generation and trending of all testing performed
- Prepare and review documentation (change controls, specifications, protocols, reports, raw data packages, etc.) pertaining to release, stability studies, method validation and reference standard characterization, etc.
- Participate in OOS, NCR, CAPA and Deviation investigations as needed
- Assist in preparing regulatory documents and contribute to writing of SOP's as needed.
- Support all internal and external audits
- Perform daily verification checks of lab equipment such as spectrometers, balances, pH meters etc.
- Perform instrument calibration as required.
- Participate in ongoing research and development and validation studies.
- Perform inventory management of lab materials including reagents, columns, etc.
- Review ordering of lab materials including chemicals, solvents, consumable supplies, etc.
- Perform and maintain sample log
- Be flexible and support departmental needs, as needed

[Continued on next page]

Quality Control Lab Chemist [*continued*]

System One | Everett, WA | ACS PSS Posting Date: 06/03/2020

Key Qualifications and Skills

- A minimum bachelor's level degree in Radiochemistry is preferred but will consider a related field
- A minimum of 5 years' experience in a pharmaceutical industry, (preferable cGMP radiopharmaceutical) with a minimum of 2 years in QC testing
- Experience working within a quality program compliant to FDA/cGMP requirements Title 21 CFR 210/211 and ICH Guidance; preferably, experience in an operational / production radiopharmaceutical facility.
- Must have a keen attention to detail with the ability to read, understand requirements such as federal regulations, national codes and standards and interpret these standards into company documents and provided guidance to personnel regarding these requirements.
- Shall have experience or possess ability to learn, understand and use various lab analysis equipment, quality support software for records retention.
- Must demonstrate strong data analysis, troubleshooting and decision-making skills
- Operation and testing using various analytical instruments and wet chemistry testing
- Demonstrated experience with laboratory analytical instrumentation operation
- Strong organizational and communication skills, including technical writing, teamwork, and interpersonal skills and display respect and a desire to foster teamwork
- The successful candidate will possess a high degree of trust and integrity, communicate openly and display respect and a desire to foster teamwork.

Adjunct Chemistry Instructor

Northwest University | Kirkland, WA | ACS PSS Posting Date: 03/28/2020

The Department of Natural Sciences at Northwest University invites applications for a part time teaching position in chemistry beginning August 2020. See <https://www.northwestu.edu/jobs/>. Teaching duties will include one or more of the following classes: General Chemistry I and II with lab, Organic Chemistry I and II with lab and Survey of Chemistry I and II with lab. The latter being a course designed for nursing majors. The ideal candidate will possess:

- A Ph.D. in Chemistry (ABD or masters will be considered)
- Be an adept teacher of undergraduates
- Possesses a deep, personal commitment to Jesus Christ and to the Spirit-filled life.
- Demonstrate a commitment to the integration of faith and learning.
- Establish and maintain positive relationships with students, faculty, university staff, and the general constituency of the University.

Northwest University is a Christian coeducational undergraduate and graduate institution affiliated with the Assemblies of God and located in Kirkland, Washington, just ten miles from downtown Seattle. Programs are shaped by a Christian worldview and the integration of faith and learning. For full consideration, please submit the following:

- A letter of intent
- A curriculum vitae
- A statement describing your personal Christian faith, practice and current local church affiliation
- The names, addresses, email and phone numbers of at least three professional references.

Applications may be submitted by email as a single attachment to Dr. Sarah Drivdahl, Dean of the College of Arts and Sciences at sarah.drivdahl@northwestu.edu or by mail to:

Dr. Sarah Drivdahl, Dean / College of Arts and Sciences / Northwest University

P.O. Box 597

Kirkland, WA 98033-0597

425-889-7826

Review of applications will begin immediately and continue until the position is filled. Members of underrepresented groups are highly encouraged to apply.

Assistant Professor of Chemistry

Seattle Pacific University | Seattle, WA | ACS PSS Posting Date: 09/07/2019

Tenure-track Assistant Professor of Chemistry to start September 1, 2020. The position is a full-time, nine-month appointment. We are specifically interested in inorganic chemists or candidates with cross-disciplinary interests that are related to inorganic chemistry. SPU is a Christian university and applicants will be required to submit a faith statement with their application. Members of historically underrepresented groups, as defined by the National Science Foundation, are especially encouraged to apply. Candidates should show evidence of excellence in teaching and mentoring undergraduates, as well as a strong plan for undergraduate research. Applicants who can demonstrate effective mentoring of students from underrepresented backgrounds are especially welcomed. Applications should be submitted online at: <https://spu.interviewexchange.com/jobofferdetails.jsp?JOBID=113823>

Applications will be accepted until the position is filled, with the interview process beginning November 2019. The University reserves the right to fill the position before the deadline and to close or to extend the deadline as circumstances may warrant.

MEMBER BENEFITS

Join ACS!

Benefits and Resources Available to You

[Membership Categories and Dues/Application Process](#)

[Member Benefits](#)

[ACS National Strategic Plan](#)

[List of ACS Member Benefits and Resources](#)

[About the Puget Sound Section](#)

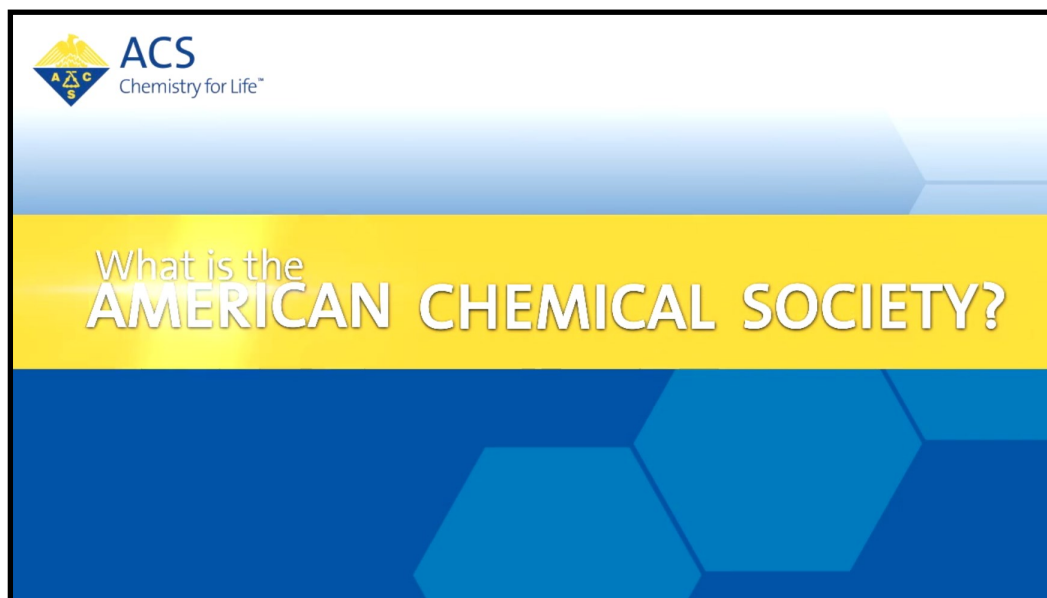


What is the American Chemical Society?

The American Chemical Society (ACS) was founded in 1876

“With more than 150,000 members, the American Chemical Society (ACS) is the world’s largest scientific society and one of the world’s leading sources of authoritative scientific information. “

Watch a video about the American Chemical Society [here](#). Read about the history of ACS [here](#).



MEMBER BENEFITS

ACS Resources

Helpful Services and Resources

[ACS Publications](#)

[ACS Webinars](#)

[C&EN Webinars](#)

[ACS Science Podcasts](#)

[ACS Network](#)

[ACS National and Regional Meetings](#)

[Public Policy Fellowships](#)

[Project Seed](#)

[National Chemistry Olympiads](#)

[Scholars Program](#)

[SCI Scholars Internships](#)

[ACS Student Affiliate Chapters \(Chem Clubs\)](#)

[Sustainability Resources](#)

[The Yellowbook](#)

ACS Webinars

Webinars on Chemistry Themed Topics

Hundreds of webinars presented by subject matter experts in the chemical enterprise.

LIVE every weekday at 2pm ET!



MEMBER BENEFITS

Like Our Facebook Page!

Keep connected with your local section through social media!



We post about upcoming social events that you can attend, local section meetings and other info.

<https://www.facebook.com/AmericanChemicalSocietyPugetSoundSection>

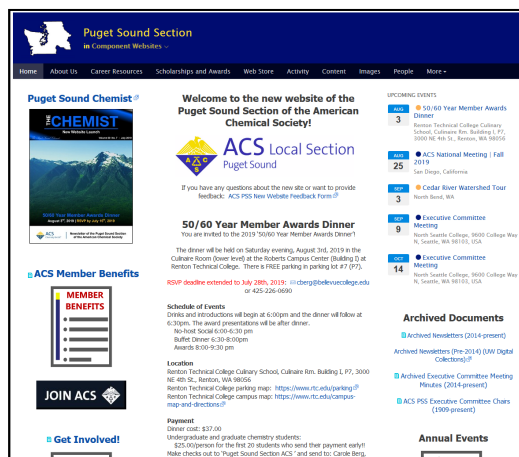


ACS Local Section

Puget Sound

The Puget Sound Section Website

Find Information about ACS, Events, and other Resources



The full URL for the website is:

<https://communities.acs.org/community/society/component-websites/puget-sound-local-section>

There is a shortcut URL:

<https://www.acs.org/pugetsound>

EXECUTIVE COMMITTEE ROSTER

Position	Election Year	Name
Chair	N/A	Jennifer Marsalla
Interim Chair-Elect	N/A	Natalie Merrill
Past Chair	N/A	Leonard J. Andrews
Secretary	Annually	Michael Meechan
Treasurer	Annually	Sheri Tonn
Newsletter Editor	N/A	Jonathan Clark
Councilor Position 1	2020	David Patrick
Alternate Councilor Position 1	2020	Gwen Gross
Councilor Position 2	2021	Gary Christian
Alternate Councilor Position 2	2021	John Macklin
Councilor Position 3	2022	Craig Fryhle
Alternate Councilor Position 3	2022	Carole Berg
Councilor Position 4	2020	Dharshi Bopegedera
Alternate Councilor Position 4	2020	Charity Lovitt
Councilor Position 5	2021	Despina Strong
Alternate Councilor Position 5	2021	Natalie Merrill

Contact Form

[Contact Us Form](#)

OTHER OUTSTANDING VOLUNTEERS

Position	Name
Awards Committee* Chair	Vacant
Career Event Committee Chair	Dharshi Bopegedera
Chemistry Olympiad (UNSCO) Coordinator	Clarita Bhat
Communications Committee Chair	Jonathan Clark
Earth Day Committee Chair	Karen Goodwin
Education Committee* Chair	Jennie Mayer
Employment Committee* Chair	Vacant
Finance Committee* Chair	David Munch
Hospitality Committee* Chair	Carole Berg
Pauling Medal Symposium Committee Chair	TBA
Long-Range Planning Committee* Chair	David Munch
Membership Committee* Chair	Vacant
National Chemistry Week Committee Chair	Vacant
Nominating Committee Chair	Leonard J. Andrews
Professional Relations & Status Committee* Chair	Vacant
Program Committee* Chair	Natalie Merrill
Public Affairs Committee* Chair	Vacant
Public Relations Committee* Chair	Craig Fryhle
Regional Activities Committee* Chair	Vacant
Safety Committee Chair	Natalie Merrill
Senior Chemists Committee Chair	Despina Strong
Sustainability Committee Chair	Natalie Merrill
Undergraduate Research Symposium Committee Chair	Neal Yakelis
Webmaster	Jonathan Clark
Women Chemists Committee Chair	Despina Strong
Younger Chemists Committee Chair	Michael Meechan

*Standing Committee (per the bylaws)



ACS

Chemistry for Life[®]