

THE CHEMIST

Get Involved!

The Puget Sound Chemist

Volume 76 No. 3 - March 2015

Want to become active? – **Find a place to contribute!**

Exec. Committee Officers – **A look at the leaders!**



Newsletter of the Puget Sound Section
of the American Chemical Society



From the Editor

THE PUGET SOUND CHEMIST

Newsletter of the
Puget Sound Section
of the
American Chemical Society

American Chemical Society Website

<http://acs.org>

Puget Sound Section Website

<http://pugetsound.sites.acs.org>

Please address email
correspondence to:

ACSPugetSoundSection@gmail.com

Do you want to get involved, but don't know where or how? - Come visit us at any of the events that we host through the year or drop in on any of the Executive Committee meetings! We'll gladly take the time to get to know you and get you connected to a volunteer role!

For the Puget Sound Section, March is the month for the Chemistry Olympiads. March also includes the first day of Spring (the 20th). At the national level, the ACS has the Spring National Meeting on March 22nd-26th. The national meetings draw around 11,000 participants and have thousands of presentations. This year the Spring National Meeting will be in Denver, CO. Check out the [website](#) for all of the info and to register!

Over the last few years, we have seen an increase in involvement from the Puget Sound Section members. We are looking to encourage the continuation of this trend. One major way that members can contribute to the Puget Sound Section is to run for and hold an office on the Executive Committee. To illustrate the roles of the Executive Committee members, we'll be spotlighting some of the offices this month and the rest will be in the April edition.

We are upgrading and reorganizing the content on the website. If you have any suggestions for new webpages or additional information, please feel free to send an email to webmaster@pugetsound.sites.acs.org with your comments.

See the [Calendar](#) in this newsletter or our [Website's Calendar](#) for details regarding events in March 2015.

Cheers!



Jonathan Clark

Jonathan Clark
Newsletter Editor

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Calendar – March 2015

Calendar of Events - <http://pugetsound.sites.acs.org/apps/calendar/>

3 March 2015 - Queen Anne Science Café

Time: 7:30pm

Location: T.S. McHugh's - 21 Mercer Street, Seattle, WA 98109

9 March 2015 - Executive Committee Meeting

Time: 7:00pm – 8:15pm

Location: North Seattle Community College - 9600 College Way N, Seattle WA 98103
Room 2428C - South end of the 2nd floor of the Instruction Building (IB)

Campus Map: <https://northseattle.edu/locator>

9 March 2015 - Eastside Science Café

Time: 7:00pm

Location: Wilde Rover - 111 Central Way, Kirkland, WA 98033

10 March 2015 - Tacoma Science Café

Time: 6:30pm

Location: The Swiss Restaurant & Pub - 1904 Jefferson Avenue, Tacoma, WA 98402

10 March 2015 - Olympia Science Café

Time: 7:00pm

Location: Orca Books - 509 East 4th Avenue, Olympia, WA 98501

18 March 2015 - ACS/AWIS event: The Business of Climate Change

Time: 6:00pm – 8:00pm

Location: The Fred Hutchinson Cancer Research Center - 1100 Fairview Ave. N., Seattle, WA 98109

19 March 2015 - Younger Chemists Committee Meeting

Time: 6:30pm – 7:30pm

Location: Specialty's Café & Bakery in U-Village - 2690 NE Village Ln, Seattle, WA 98105

22-26 March 2015 – 249th ACS National Meeting

Location: Denver, CO

News Briefs

Get Involved!

One outstanding way to get involved in ACS activities is to hold an elected position on the Puget Sound Section's Executive Committee. It is by no means the only way to get involved, as many people volunteer their time and efforts in many other ways, but it certainly is a rewarding way to contribute your time and efforts.

The members of the Executive Committee of the Puget Sound Section of the American Chemical Society are grouped as follows (underlined positions are the offices of the Executive Committee):

Chair-Elect, Chair, Past Chair – (A three year commitment)

Secretary – (A one year term)

Treasurer – (A one year term)

Councilors and Alternate Councilors – (Three year terms)

The Newsletter Editor – (An appointed position with no fixed length)

Each group of people plays an important role in section affairs. This month I'll be highlighting the roles of the Chair-Elect, Chair and Past Chair. I've included a general description of the role and duties of each of these positions. If you are interested, please feel free to contact any of the current Executive Committee members for more info about the various positions, their duties, and the skills that these outstanding volunteers are honing while holding their various positions. Following the short descriptions are the bios of the current people holding these positions. Next month I'll include details about the remaining positions.

The sequence of Chair-Elect to Chair to Past Chair is a core leadership series in the Executive Committee. A person who goes through this sequence first gets elected as Chair-Elect (for the first year), then automatically moves into the office of Chair for the second year and then automatically moves into the office of Past Chair for the third year.

News Briefs

Chair-Elect: The first year of the series is primarily for the newly elected officer to become familiar with how things operate on the Executive Committee. The Chair-Elect is sent to the ACS Leadership Institute in January for some leadership training. Duties of the Chair-Elect include heading the Speakers' Bureau Committee and performing the usual duties of the Chair if needed. It is expected that the Chair-Elect will get involved with the planning of a few of the sections activities and will attend all of the Executive Committee meetings.



Elected for Chair-Elect - 2015

Sheri Tonn is a Professor of Chemistry at Pacific Lutheran University where she has been on the faculty since 1979. She just completed fifteen years as vice president of finance and operations, and has begun a yearlong sabbatical. She has taught environmental chemistry, instrumental methods courses and biochemistry and in the integrated studies core curriculum and participated in the university's interdisciplinary Environmental Studies Program. Past involvement in the Puget Sound Section includes service as local section chair, alternate councilor and councilor. She looks forward to reconnecting with the local section. Sheri is particularly interested in hazardous chemicals and contamination of water, and in laboratory safety. For a number of years Sheri and retired high school teacher Douglas Mandt offered summer laboratory safety courses, often with financial assistance from the local section and from WSTA. She has been involved in several environmental and sustainability committees and boards at the national, state and local levels, including hazardous waste advisory committees, groundwater committees, and Superfund citizen's advisory committees. She earned her B.S. in chemistry at Oregon State University, and her Ph.D. in chemistry from Northwestern University. When not working, she is active in a variety of water sports, including SCUBA diving and underwater photography, canoeing and sailing.

News Briefs

Chair: The Chair is responsible for the general operations of the section. The Chair presides at the Executive Committee meetings, provides leadership for the section, appoints committee chairs and ensures the timely completion of business tasks.



Elected for Chair - 2015

Cheryl Bick has a diverse background of working for U.S.D.A. in the chemistry lab, at Washington State University as an instructor in the Environmental Science Program, private restaurant owner, and several roles in the Boeing Company. In her almost thirteen years at Boeing she has been an air quality specialist in Environmental Control Systems, a class and event designer and instructor as a Program Manager in the Ed Wells Program, and she currently analyzes a variety of materials and air quality in the Materials and Process Technology group. She has had a unique opportunity to work with various groups at Boeing and several geographical locations while doing short assignments in LEAN. She has volunteered for multiple roles in Boeing activities such as A World in Motion, Building Safety Focal, Spirit of the Holidays, Imagine Tomorrow and Boeing Education Day. She also volunteers as the leader of Community of Practice Squared, a unique and wonderful group of CoP leaders and participants from all over the company. She admits that before working at Boeing she was more interested in model trains, but it didn't take long for her to grow a passion for all aspects of airplanes. Current roles: Steering Team Leader for Enterprise CoE-CoP Steering Committee, Washington State University--Boeing research focal. Technical Principal Process Committee member.

News Briefs

Past Chair: After someone has been through the offices of Chair-Elect and Chair, they provide support to the current Chair, Chair-Elect and Executive Committee by attending the Executive Committee meetings and providing guidance. The Past Chair completes the annual report for previous year and leads the Nominating Committee. The expertise of the Past Chair is quite valuable to the section's affairs.

No Photo
Currently
Available

Past-Chair - 2015

Despina Strong

King County Industrial Waste Program Manager

PhD in Analytical Chemistry from Washington State University, 1986

Masters in Analytical Chemistry from WSU, 1984

BSc in Industrial Chemistry from the University of Wales, UK, 1981

I grew up in Cyprus, a small island in the Mediterranean. At age sixteen following the invasion of the island by Turkey, I was sent to study in England. My degree in Industrial Chemistry from the University of Wales combined my interest in industrial processes, engineering, and chemistry. I came to Washington State University in 1981 and worked in Dr Roy Filby's lab at the Nuclear Radiation Center. I began my career as an inorganic chemist with the Department of Ecology and joined the Metro / King County Environmental Laboratory in 1992. As the program manager for King County's Industrial Waste Program since 2006, I oversee the administration of pretreatment regulations for over 1, 500 facilities with discharge authorizations to King County's sanitary sewer. I have over 25 years' experience in environmental chemical analysis and management, in quality assurance and quality control, application of continuous process improvement principles, and workplace safety. One of the most exciting things about my work is meeting new young scientists looking for opportunities and serving as a mentor. I have been a member of the American Chemical Society since 1981 and served as Chair-Elect in the early 1990s. With my two children now in college, I'm eager to return to the Board and contribute as Chair Elect.

News Briefs



Seattle AWIS and ACS Puget Sound Section are co-presenting:

The Business of Climate Change: Health, Environment, Energy, and Economy

Wednesday – March 18, 2015 – 6:00 pm

Fred Hutchinson Cancer Research Center – Pelton Auditorium

1100 Fairview Ave. N., Seattle, WA 98109 – Free visitor parking

6:00 pm – Networking and Refreshments

6:30 pm – Introductions and Panel Discussion

7:45 pm – Networking and Dessert

Nearly 97% of climate scientists agree that human activities are warming Earth's climate, and the Pentagon considers the consequences to be a threat to national security. What are we doing about it?

As the economic challenges of climate change are gradually appearing, some sectors are opening up to the role they can play in supporting public health, food security, environmental sustainability, and energy development. Seattle AWIS and ACS Puget Sound invite you to join a guided panel discussion on the future of climate research, consulting, and action with our distinguished panelists:



Jessica Finn Coven

Washington State Director
Climate Solutions



Cynthia LeRouge, Ph.D.

Associate Professor, Health Services Department
University of Washington School of Public Health



Jeremy T. Mathis, Ph.D.

Division Director, Ocean Environment
NOAA Pacific Marine Environmental Laboratory



Christie Baumel, M.S.

Senior Energy Policy Advisor,
City of Seattle Office of Sustainability and Environment

All are welcome—members, non-members, women and men!

More information at: <http://www.seattleawis.org/> -- <http://pugetsound.sites.acs.org>

News Briefs

ACS Spring National Meeting

Are you going? [Registration](#) is open!



Scholarships Available!!

Scholarships for Students at Two-Year and Four-Year Colleges

(Deadline April 1st, 2015)

The American Chemical Society (ACS) Puget Sound Section (PSS) Education Committee is now accepting scholarship applications from students at 2- and 4-year colleges through April 1st, 2015. Information and application forms can be downloaded from the Education Committee's web page:

<http://pugetsound.sites.acs.org/educationolympiad.htm>

We offer K-12 grants also. Please share this info you're your school and your kids' teachers. For questions and more information, please contact Despina Strong at brian.despina.strong@hotmail.com

Teacher of the Year Award

ACS Puget Sound Section High School Teacher of the Year Award

(Deadline April 15th, 2015)

The ACS PSS Education Committee is now accepting nominations for the High School Teacher of the Year Award through April 15th, 2015. The nomination form can be downloaded from the Education Committee's web page: <http://pugetsound.sites.acs.org/educationolympiad.htm>

For questions and more information, please contact Despina Strong at brian.despina.strong@hotmail.com

Science Cafés

► These Science Cafés are free and are open to all ages. ◀

Queen Anne Science Café

"Viruses for Cancer Immunotherapy"

Tuesday, 3 March, 2015 - 7:30pm - [T.S. McHugh's](#)

- T.S. McHugh's is located at 21 Mercer Street, Seattle, WA 98109.

Viruses that normally make us sick are being engineered to help our immune systems to fight cancer. Join Dr. Semih Tareen of Seattle biotech Juno Therapeutics in a discussion on the science behind the broad field of Cancer Immunotherapy, and see why it was chosen as the scientific breakthrough of 2013 by the American Association for the Advancement of Science. Did you know? Seattle is a leader in this field with its unique collection of non-profits and biotechs dedicated to cancer immunotherapy.

Eastside Science Café

"Current State of Food Allergy"

Monday, 9 March, 2015 - 7:00pm - [Wilde Rover](#)

- Wilde Rover is located at 111 Central Way, Kirkland, WA 98033.

What happens when you eat something you are allergic to? Join Dr. David Jeong of Virginia Mason Hospital & Seattle Medical Center as he discusses the epidemiology of food allergy, how food allergies manifest, and new diagnostic tests and treatments on the horizon.

Tacoma Science Café

"Could Tacoma Become Another Pompeii?"

Tuesday, 10 March, 2015 - 6:30pm - [Swiss Restaurant & Pub](#)

- The Swiss Restaurant & Pub is located at 1904 Jefferson Avenue, Tacoma, WA 98402.

Future eruptions of Mount Rainier will have profound effects on surrounding communities. How might its eruptions be similar or different from that of Mount Vesuvius? Will we have warning of an impending eruption? A look back at the 1980 eruption of Mount St. Helens provides some interesting comparisons. With Steve Malone, PhD, Department of Earth & Space Sciences, University of Washington.

Science on Tap

Science on Tap is another science café that meets in Seattle, WA. Information regarding the next Science on Tap event can be found on their website: <http://www.scienceontap.org>

Science Cafés

► These Science Cafés are free and are open to all ages. ◀

Olympia Science Café

” In situ transmission electron microscopy and spectroscopy studies of rechargeable batteries under dynamic operating conditions”

Tuesday, 10 March, 2015 - 7:00pm - [Orca Books](#)

- Orca Books is located at 509 East 4th Avenue, Olympia, WA 98501.

How does a battery work? Few people really know. Currently we are able to study the charge and discharge properties at near atomic resolution. We can see “inside” the battery to look at the dynamics and chemistry in real time. Our techniques are primarily build around using the Transmission Electron Microscope, but we also compliment this work using several installations we have built at Synchrotrons located at the Lawrence Berkeley National Laboratory, Argonne National Laboratory and Brookhaven National Laboratory.

The talk will highlight recent work, some in-situ movies and recent publications.

In 2005, Norman Salmon co-founded Hummingbird Scientific along with Eric Stach. In the years since, Mr. Salmon has led the company’s growth and development.

Mr. Salmon has been involved in precision manufacturing for over 15 years. As program manager at Lawrence Berkeley, he focused on precision mesoscale manufacturing and instrumentation for electron microscopes. He has spoken about precision manufacturing to groups around the world and consulted for more than 50 organizations, including government agencies, medical manufacturing companies, precision machine tool builders, and manufacturers of precision components.

As a principal investigator at Hummingbird Scientific, Mr. Salmon has received more than \$8 million of funding from the Department of Energy Office of Basic Energy Sciences, the U.S. Army, and the National Institute of Health. He is an active member of the American Society for Precision Engineering, Materials Research Society, and the Microscopy Society of America. Mr. Salmon earned a B.S. in Industrial Engineering Technology from Western Washington University. He was born in Olympia and graduated from North Thurston High School.

Science Cafés

► These Science Cafés are free and are open to all ages. ◀

Association of Women in Science (AWIS)

"The Business of Climate Change: Health, Environment, Energy, and Economy"

Wednesday, 18 March, 2015 - 6:00pm - [Fred Hutch Cancer Research Center](#)

- The Fred Hutchinson Cancer Research Center is at 1100 Fairview Ave. N., Seattle, WA 98109.

Nearly 97% of climate scientists agree that human activities are warming Earth's climate, and the Pentagon considers the consequences to be a threat to national security. What are we doing about it? As the economic challenges of climate change are gradually appearing, some sectors are opening up to the role they can play in supporting public health, food security, environmental sustainability, and energy development. Seattle AWIS and ACS Puget Sound invite you to join a guided panel discussion on the future of climate research, consulting, and action with our distinguished panelists. AWIS offers monthly programs Sept-June at 6:00pm at the Fred Hutch Cancer Research Center. This month's event will be in the Pelton Auditorium in the Weintraub Building.

Campus Map: <http://www.fhcrc.org/en/contact-us/visit-us.html> Information regarding the next AWIS event can be found on the AWIS website at <http://seattleawis.org/awis-events/>

Younger Chemists Committee

YCC Information

We are a local section of the national Younger Chemists Committee. The YCC was chartered by the American Chemical Society to address the specific needs of younger and early-career chemists. The YCC's vision is to lead younger chemists into successful careers and active roles in the ACS and the profession.

Check out our webpage: <http://pugetsound.sites.acs.org/youngerchemistscommittee.htm>

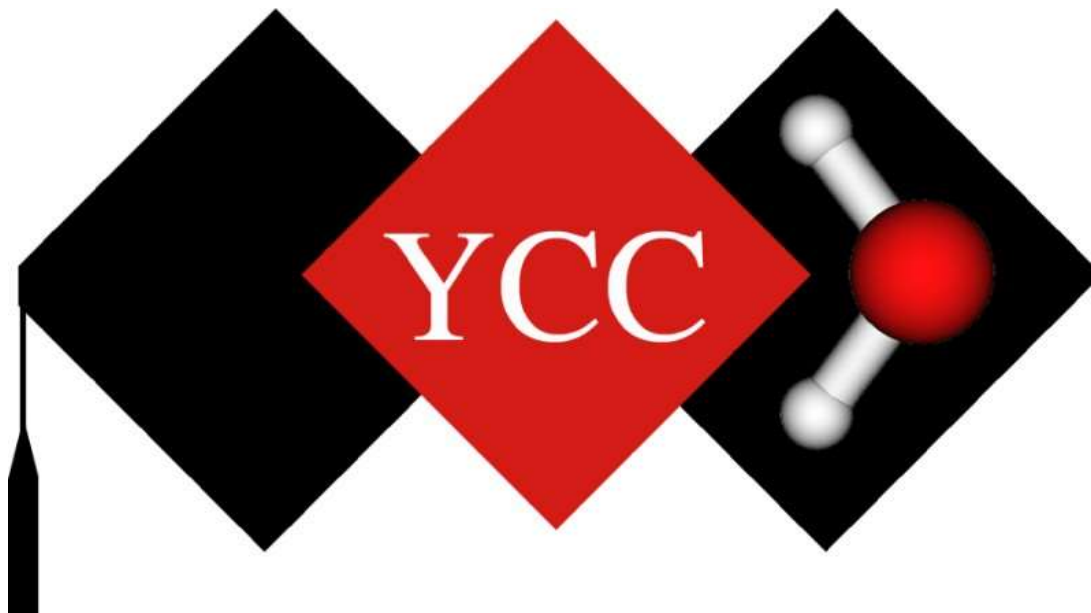
Email any questions to Jonathan Clark (Puget Sound YCC Chair): PugetSoundYCC@gmail.com

Next YCC Meeting

Thursday, March 19th, 2015 (6:30pm – 7:30pm)

Specialty's Café and Bakery in U-Village

Address: 2690 NE Village Ln, Seattle, WA 98105



Mark Your Calendar

Design of Safer Chemicals and Products

- The Nexus of Toxicology and Chemistry -

April 23rd & 24th, 2015 from 8:30am-5:00pm

Location: McMenamins (2126 SW Halsey Street, Troutdale, OR 97060)

Find more info in the [flyer](#).

Register Online at:

REGISTER ONLINE

<http://www.eventbrite.com/e/design-of-safer-chemicals-and-products-workshop-tickets-14173343853>

This 2-day course is for professionals who work to design new chemicals, formulations and or commercial products, as well as those interested in supporting safer products and processes within public, private, and non-profit organizations. The most prominent tools used in chemical design and predictive toxicology will be explored in a hands-on approach to screen out highly toxic chemicals and rationally design or select safer chemical alternatives for products or formulations. By convening well-recognized academic, industry, and government leaders in chemistry, toxicology, ecotoxicology, nanotoxicology and other disciplines, participants will have the opportunity to discuss cutting edge science and practical strategies for the design of safer chemicals and products.

ACS Puget Sound - Undergraduate Research Symposium

The 2015 ACS Puget Sound Section Undergraduate Research Symposium will be hosted by Pacific Lutheran University on Saturday, April 25th, 2015. The local organizers are Dr. Jon Freeman (freemajo@plu.edu, 253-535-7541) and Dr. Neal Yakelis (yakelina@plu.edu, 253-535-7554). Further information about deadlines, abstract submission, and registration is forthcoming.

More information will become available on the website:

<http://pugetsound.sites.acs.org/ugresearchsymp2015.htm>

NORM 2015

The 2015 Northwest Regional Meeting will be hosted by Idaho State University in Pocatello, Idaho from June 21st – 25th, 2015. More info is available on the website at: <http://norm2015.sites.acs.org/>

Recent Events

Career Event

There were about 60 people who showed up for the tour and panel discussion at the Dept. of Health Labs in Shoreline, WA on Feb 11th. The tour was excellent and included a walk through all of the major departments/sections of the labs. The panel discussion focused on the routes that the panelists took to reach their current positions and advice that they would give to students to be successful in the workforce. Raffle prizes were given out after the end of the panel discussion.

A big thank you to Dharshi Bopagedera for all her efforts in organizing this event!

Careers

Job Openings

Job Opening – [Pierce College](#) – Assistant Professor of Chemistry

For further information, check out the [position description](#).

Job Opening – [American Chemical Society](#) – Sr. Education Program Manager

ACS is now seeking candidates for a Senior Program Manager position, which will be responsible for developing, managing, and implementing the ACS professional development activities for faculty at institutions of higher education. This is a new position that has grown out of discussions on how ACS can best support faculty at two- and four-year institutions in their professional growth. It is located at ACS headquarters in Washington, DC, and will be part of the Department of Higher Education in the Education Division.

More information can be found in the [position description](#). If you are interested, you can apply [online](#), or direct any questions to Nancy Bakowski (n_bakowski@acs.org, 1-800-227-5558, ext. 6166).

Internships

Washington Conservation Corps - <http://www.ecy.wa.gov/wcc/index.html>

Ecology Youth Corps - <http://www.ecy.wa.gov/programs/swfa/eyc/index.html>

ACS Job and Career Resources

Career Resources - <http://www.acs.org/content/acs/en/careers.html>

Employment Dashboard - <http://www.acs.org/content/acs/en/careers/salaries/dashboard.html>

Job Postings - <http://chemistryjobs.acs.org/jobs>

ACS Puget Sound Job Page – <http://pugetsound.sites.acs.org/jobsandcareerresources.htm>

ACS Resources

Online Resources for all ACS members

Explore the ACS website (<http://acs.org>) and look into the many resources available to you as a member.

Member benefits - <http://www.acs.org/content/acs/en/membership-and-networks/acs/benefits.html>

Publications - <http://www.acs.org/content/acs/en/publications.html>

ACS Webinars - <http://acswebinars.org/>

C&EN Webinars - <http://cen.acs.org/media/webinar.html>

Science Podcasts - <http://www.acs.org/content/acs/en/pressroom/podcasts.html>

ACS National and regional meetings - <http://www.acs.org/content/acs/en/meetings.html.html>

ACS Chemworx - <https://pc.acschemworx.acs.org/>

Presentations on Demand - <http://presentations.acs.org/common/default.aspx>

ACS Public Policy fellowships - <http://www.acs.org/content/acs/en/policy/policyfellowships.html>

Project Seed - <http://www.acs.org/content/acs/en/education/students/highschool/seed.html>

National Chemistry Olympiads -

<http://www.acs.org/content/acs/en/education/students/highschool/olympiad/process/competition.html>

Scholars Program - <http://www.acs.org/content/acs/en/funding-and-awards/scholarships/acsscholars.html>

SCI Scholars Internships -

<http://www.acs.org/content/acs/en/education/students/college/experienceopp/scischolars.html>

Sustainability Resources - <http://www.acs.org/content/acs/en/sustainability.html>

Get Involved - www.acs.org/getinvolved

Not a Member Yet? Join Today! - <http://acswebcontent.acs.org/joinacstoday/13NEWSAD1od.html>

Online Resources for the Puget Sound Section!

Check out our Local Section's website - <http://pugetsound.sites.acs.org>

About us - <http://pugetsound.sites.acs.org/aboutthesection.htm>

Executive Committee Meeting Minutes - <http://pugetsound.sites.acs.org/meetingminutes.htm>

Leave us a message - <http://pugetsound.sites.acs.org/askusaquestion.htm>

ACS Puget Sound Job Page – <http://pugetsound.sites.acs.org/jobsandcareerresources.htm>

Education & Olympiads - <http://pugetsound.sites.acs.org/educationolympiad.htm>

Newsletter Archives - <http://pugetsound.sites.acs.org/archivesofthechemist.htm>

Facebook page - <https://www.facebook.com/AmericanChemicalSocietyPugetSoundSection>

To subscribe to the section email list, visit: <http://www.chem.plu.edu/mailman/listinfo/pss-acs>

Roster

ACS Puget Sound - Executive Committee

Chair	Cheryl Bick
Chair Elect	Sheri Tonn
Past Chair	Despina Strong
Secretary	Karen Goodwin
Treasurer	Carole Berg
Newsletter Editor	Jonathan Clark
Councilor - Position 1 (2017)	Mark Wicholas
Councilor - Position 2 (2015)	Gregory Milligan
Councilor - Position 3 (2016)	Craig Fryhle
Councilor - Position 4 (2017)	Gary Christian
Alternate Councilor - Position 1 (2017)	Jennie Mayer
Alternate Councilor - Position 2 (2015)	Amar Yahiaoui
Alternate Councilor - Position 3 (2016)	Neal Yakelis
Alternate Councilor - Position 4 (2017)	Dharshi Bopegedera

Other Outstanding Volunteers

Awards Committee Chair	Carole Berg
Career Day Committee Chair	Dharshi Bopegedera
Communications Director	Nick Milanovich
Earth Day Committee Chair	Karen Goodwin
Education Committee Chair	Despina Strong
Finance Committee Chair	David Munch
Hospitality Committee Chair	Carole Berg
Long Range Planning Committee Chair	Despina Strong
National Chemistry Week Committee Chair	Rosanne Hulet
Nominating Committee Chair	Despina Strong
Public Relations Committee Chair	Nick Milanovich
Sustainability Committee Chair	Charity Lovitt
Undergraduate Research Symposium Committee Chair	Craig Fryhle
Webmaster	Jonathan Clark
Women Chemists Committee Chair	Robbyn Perdue-Anand
Younger Chemists Committee Chair	Jonathan Clark





ACS
Chemistry for Life[®]