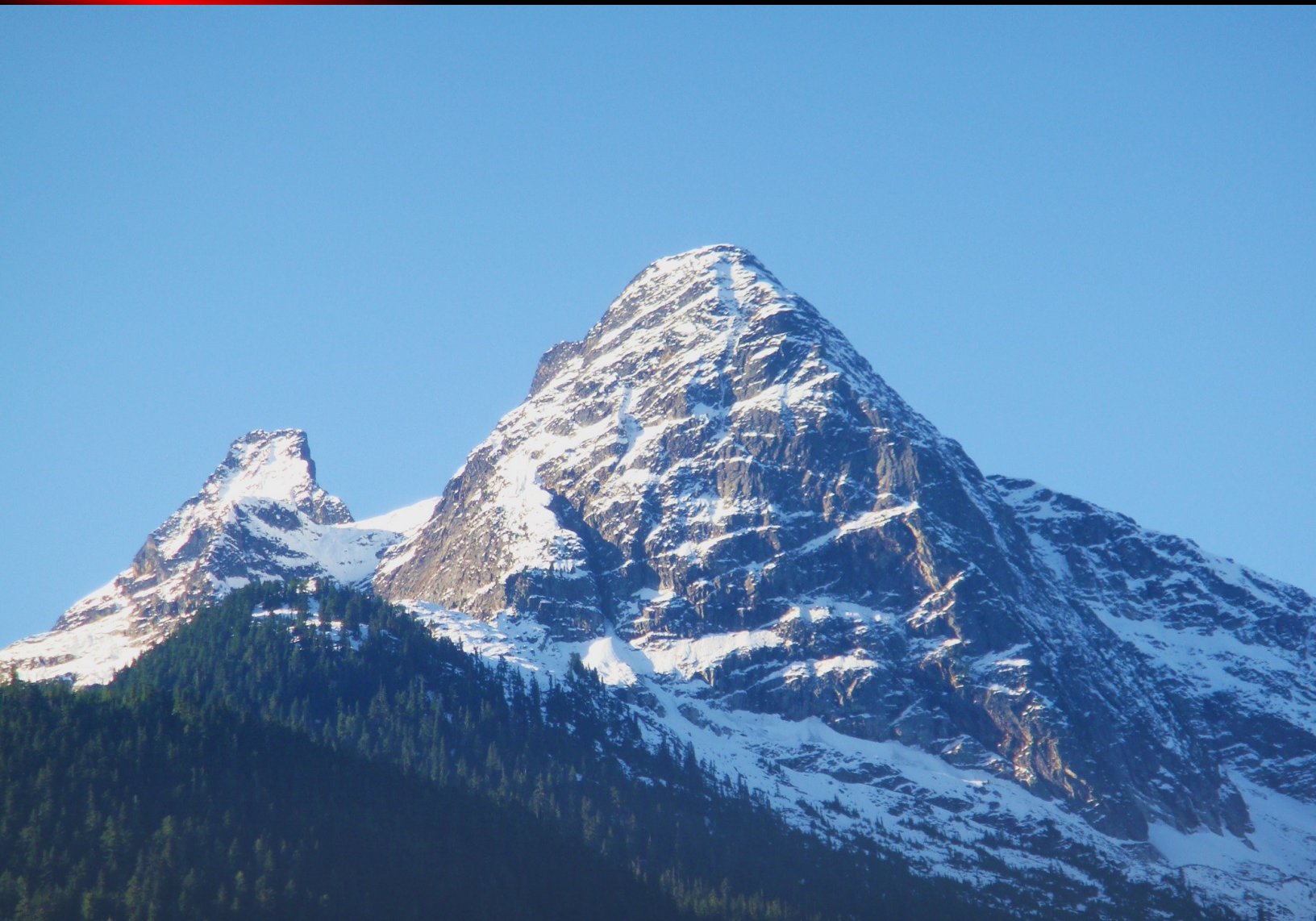


THE CHEMIST

Career Event

The Puget Sound Chemist

Volume 80 No. 2 - February 2019



2019 Career Event

February 27th, 2019 - King County Environmental Laboratory



Newsletter of the Puget Sound Section
of the American Chemical Society

FROM THE EDITOR



ACS
Chemistry for Life®

Career Event

The 2019 Career Event will be held at the Water and Land Resources Division of the King County Environmental Laboratory (322 West Ewing Place, Seattle WA 98119) from 1:00pm-5:00pm on Wednesday, February 27th, 2019. Undergraduates are especially encouraged to attend. The event is free, but registration is required. [Register here](#) by February 10th, 2019. See further details on [page 4](#).

The Younger Chemists Committee will meet on Tuesday, February 12th, 2019 from 7:00pm-8:00pm at the University of Washington Seattle. Further details are on [page 10](#).

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 general email
correspondence to:

info@pugetsound.sites.acs.org



Jonathan Clark

Newsletter Editor

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ACS
Chemistry for Life[®]

CALENDAR

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

11 February 2019 – Executive Committee Meeting

Time: 7:00pm

Location: North Seattle Community College - 9600 College Way N, Seattle WA 98103
Room 2328C - South end of the 2nd floor of the Instruction Building (IB)

[Campus Map](#)

12 February 2019 – Younger Chemists Committee (YCC) Meeting

Time: 7:00pm – 8:00pm

Location: University of Washington Seattle (CHB102) – Seattle, WA 98195

27 February 2019 – Career Event

Time: 1:00pm – 5:00pm

Location: King County Environmental Laboratory - 322 West Ewing Place, Seattle WA 98119

31 March-4 April 2019 – 257th ACS National Meeting - Spring 2019

Theme: Chemistry for New Frontiers

Location: Orlando, Florida

27 April 2019 – Undergraduate Research Symposium

Location: University of Puget Sound – 1500 N Warner St, Tacoma, WA 98416

16-19 June 2019 – 74th Northwest Regional Meeting (NORM 2019)

Theme: From Nano to Global

Location: Portland State University - Portland, Oregon

25-29 August 2019 – 258th ACS National Meeting - Fall 2019

Theme: Chemistry & Water

Location: San Diego, California

PUGET SOUND SECTION

NEWS BRIEFS

2019 Career Event

February 27th, 2019 | 1:00pm—5:00pm | Seattle, WA

Please pass the word along! This is a great event for undergraduates to gain perspective on potential careers in chemistry. Read more about the career event on the webpage. [Register by February 10th, 2019.](#)

[CAREER EVENT WEBPAGE](#)

[REGISTER HERE](#)

**American Chemical Society- Puget Sound Section
presents an informative afternoon on**

“Careers in Chemistry for Undergraduates”

on February 27th 2019, 1-5 PM

at the

**Water and Land Resources Division
King County Environmental Laboratory**

322 West Ewing Place, Seattle WA 98119

<https://www.kingcounty.gov/depts/dnwp/wlr/sections-programs/environmental-lab.aspx>

Keynote Speaker: Stephanie Jaeger, M.S.

Water Quality Planner II / Oceanographer, King County Environmental Labs

“Water Quality Dynamics in Central Puget Sound: How can long-term monitoring assess for potential impairments?”

Event includes lab tours, a career panel discussion, and the keynote speaker

Recommended for all undergraduate science students
Free admission and open to all. Space is limited

Please Register by February 10th, 2019

Registration is limited to 50 participants. Register at <http://pugetsound.sites.acs.org>

For more information: bopegedd@evergreen.edu



NEWS BRIEFS

Like Our Facebook Page!

Event info posted here!

We've been on social media for awhile now. We post info about upcoming events, this newsletter and other interesting chemistry related topics.

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



NEWS BRIEFS

2019 is the International Year of the Periodic Table

150th Anniversary of Mendeleev's Discovery of the Periodic System

UNESCO (the United Nations Education, Scientific and Cultural Organization) has announced that the United Nations proclaimed 2019 to be the International Year of the Periodic Table of Chemical Elements.

IUPAC Periodic Table of the Elements

1 H hydrogen 1.00794(7)																	18 He helium 4.002602
3 Li lithium 6.941	4 Be beryllium 9.0122											13 B boron 10.811	14 C carbon 12.011	15 N nitrogen 14.00644	16 O oxygen 15.999	17 F fluorine 18.9984032	10 Ne neon 20.180
11 Na sodium 22.98976928	12 Mg magnesium 24.304											13 Al aluminum 26.9815386	14 Si silicon 28.0855	15 P phosphorus 30.973762	16 S sulfur 32.06	17 Cl chlorine 35.45	18 Ar argon 39.948
19 K potassium 39.0983	20 Ca calcium 40.078	21 Sc scandium 44.955912	22 Ti titanium 47.88	23 V vanadium 50.9415	24 Cr chromium 51.9961	25 Mn manganese 54.938045	26 Fe iron 55.845	27 Co cobalt 58.933195	28 Ni nickel 58.6934	29 Cu copper 63.546	30 Zn zinc 65.38	31 Ga gallium 69.723	32 Ge germanium 72.6305	33 As arsenic 74.9216	34 Se selenium 78.9718	35 Br bromine 79.904	36 Kr krypton 83.798
37 Rb rubidium 85.4678	38 Sr strontium 87.62	39 Y yttrium 88.90584	40 Zr zirconium 91.224	41 Nb niobium 92.90638	42 Mo molybdenum 95.94	43 Tc technetium 98	44 Ru ruthenium 101.072	45 Rh rhodium 102.9055	46 Pd palladium 106.42	47 Ag silver 107.8682	48 Cd cadmium 112.411	49 In indium 114.818	50 Sn tin 118.710	51 Sb antimony 121.757	52 Te tellurium 127.603	53 I iodine 126.905	54 Xe xenon 131.29
55 Cs caesium 132.90545196	56 Ba barium 137.327	57-71 lanthanoids	72 Hf hafnium 178.49	73 Ta tantalum 180.94788	74 W tungsten 183.84	75 Re rhenium 186.207	76 Os osmium 190.23	77 Ir iridium 192.222	78 Pt platinum 195.084	79 Au gold 196.966569	80 Hg mercury 200.59	81 Tl thallium 204.38	82 Pb lead 207.2	83 Bi bismuth 208.9804	84 Po polonium	85 At astatine	86 Rn radon
87 Fr francium	88 Ra radium	89-103 actinoids	104 Rf rutherfordium	105 Db dubnium	106 Sg seaborgium	107 Bh bohrium	108 Hs hassium	109 Mt meitnerium	110 Ds darmstadtium	111 Rg roentgenium	112 Cn copernicium	113 Nh nihonium	114 Fl flerovium	115 Mc moscovium	116 Lv livermorium	117 Ts tennessine	118 Og oganesson
57 La lanthanum 138.90547	58 Ce cerium 140.12	59 Pr praseodymium 140.90766	60 Nd neodymium 144.242	61 Pm promethium	62 Sm samarium 150.36	63 Eu europium 151.964	64 Gd gadolinium 157.25	65 Tb terbium 158.92534	66 Dy dysprosium 162.50	67 Ho holmium 164.93033	68 Er erbium 167.259	69 Tm thulium 168.93032	70 Yb ytterbium 173.05468	71 Lu lutetium 174.967			
89 Ac actinium 227	90 Th thorium 232.0377	91 Pa protactinium 231.036888	92 U uranium 238.02891	93 Np neptunium	94 Pu plutonium	95 Am americium	96 Cm curium	97 Bk berkelium	98 Cf californium	99 Es einsteinium	100 Fm fermium	101 Md mendelevium	102 No nobelium	103 Lr lawrencium			

INTERNATIONAL UNION OF PURE AND APPLIED CHEMISTRY

For notes and updates to this table, see www.iupac.org. This version is dated 28 November 2016. Copyright © 2016 IUPAC, the International Union of Pure and Applied Chemistry.

[IUPAC IYPT Webpage](#)

[IYPT 2019 Website](#)

[IUPAC IYPT Article](#)

[UNESCO IYPT Webpage](#)

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

Monthly Science Café in Olympia, WA

The Olympia Science Café is a free event that is open to the public. Event location varies.

PSS Awards and Scholarships

The ACS Puget Sound Section Education Committee offers the following awards and scholarships:

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 Links: ([Word](#)) ([PDF](#)) **The application deadline for 2019 is March 15th.**
([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 Links: ([Word](#)) ([PDF](#)) **The application deadline for 2019 is March 15th.**
([Puget Sound Section Colleges List](#))

High School Teacher of the Year Award, \$250.

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

Nomination Form Links: ([Word](#)) ([PDF](#)) **The application deadline for 2019 is April 30th.**

ACS Student Affiliate Chapter Grants for activities and/or travel, up to \$400.

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. To apply, please email a completed application to: EducationCommittee@pugetsound.sites.acs.org

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

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 Links: ([Word](#)) ([PDF](#)) **Applications are accepted until funds are spent.**

The committee welcomes new members! Please contact us if you are interested in joining. Our email address is: educationcommittee@pugetsound.sites.acs.org

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 page at <http://pugetsound.sites.acs.org/scholarshipsandawards.htm>

**Scholarships, Grants
and Awards Webpage**

2019 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.



Nominations for the 2019 Heroes of Chemistry Award are now open. **The deadline for the 2019 applications is February 1st, 2019.**

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

YCC Monthly Meetings

February 2019

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. The details for the next meeting is as follows:

Location: University of Washington Seattle (CHB102) - Seattle, WA 98109

Date/Time: February 12th, 2019 (7:00pm - 8:00pm)

Michael Meechan
YCC Chair

YOUNGER CHEMISTS COMMITTEE

EVENT DETAILS

TUESDAY, FEBRUARY 12TH

7:00 – 8:00 PM

CHB 102

Join Us Every Month To Get Involved With Your Local ACS Chapter

Questions?
Contact radicals@uw.edu or Michael Meechan at m.meechan12@gmail.com



MARK YOUR CALENDAR

2019 Chemistry Olympiads

High School Competition!

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.



[Puget Sound Chemistry Olympiad Webpage](#)

OSHA 7225 - Transitioning to Safer Chemicals

Safer Alternatives for Professionals

This course will guide participants through OSHA's substitution planning process for understanding and evaluating chemical use, identifying and assessing alternatives, and implementing safer alternatives. OSHA 7225 is for professionals at all levels of chemistry understanding who play a role in product, materials or chemical selection.

Two events in the Seattle area:

April 30th - May 1st, 2019

December 11th-12th, 2019

[Register online](https://osha.washington.edu/osha/course/transitioning-safer-chemicals) (<https://osha.washington.edu/osha/course/transitioning-safer-chemicals>)

[Watch a recorded webinar](#) about the training.

MARK YOUR CALENDAR

2019 Undergraduate Research Symposium

April 27th, 2019

The 2019 ACS Puget Sound Section Undergraduate Research Symposium (URS) will be hosted by the University of Puget Sound on Saturday April 27th, 2019. Registration and abstract information will be provided early in 2019. The contact person at the University of Puget Sound is Professor Dan Burgard. We look forward to seeing you at the 2019 symposium!

[URS WEBPAGE](#)

MARK YOUR CALENDAR

257th ACS National Meeting (Spring 2019)

March 3rd - April 4th, 2019 | Orlando, Florida

Theme: Chemistry for New Frontiers



74th Northwest Regional Meeting (NORM 2019)

June 16th - 19th, 2019 | Portland State University - Portland, Oregon

Theme: From Nano to Global



258th ACS National Meeting (Fall 2019)

August 25th - 29th, 2019 | San Diego, California

Theme: Chemistry & Water

MARK YOUR CALENDAR

2019 Green Chemistry Conference

June 11th - 13th, 2019 | Reston, Virginia

The 23rd ANNUAL GREEN CHEMISTRY & ENGINEERING CONFERENCE and the 9th INTERNATIONAL CONFERENCE ON GREEN AND SUSTAINABLE CHEMISTRY will be focused on the theme of "Closing the Loop" in the chemical life cycle.



**TECHNICAL PROGRAM
SYMPOSIA**

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](#)

[Job Postings
\(ACS National\)](#)

[Job Postings
\(ACS Puget Sound\)](#)

ACS Puget Sound Career Event

Annual Event Focused on Chemistry Careers

The Puget Sound Sections 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 the Calendar for details regarding the next event.

[Calendar
\(ACS Puget Sound\)](#)

Internships

Opportunities for Gaining Job Experience

King County Internships

Washington Conservation Corps

Ecology Youth Corps

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 website will be hyperlinked here.

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

Full-Time Tenure-Track Position in Chemistry

Trinity Western University | Langley, BC, Canada | ACS PSS Posting Date: 02/01/2019

The Department of Chemistry in the Faculty of Natural and Applied Sciences (FNAS) at Trinity Western University invites applications for an Assistant Professor, tenure-track faculty position in the area of inorganic, metallo-organic, biophysical chemistry, bio-inorganic, or materials chemistry, to start August 16, 2019. A Ph.D. in chemistry or an allied discipline is required and postdoctoral or comparable research experience is preferred. Trinity Western University is a leader among non-profit liberal-arts universities in Canada. Located in Langley, British Columbia, it is a scholarly community committed to a Christian ethos. The department seeks candidates who are committed to and support its evangelical Christian basis and mission. The Department is small (3 faculty, 2 staff) and is putting extensive effort into visioning our future path forward. We would love a candidate who aligns and contributes to the visioning process as a member of this team. More detailed information is available at: <https://www.twu.ca/human-resources/join-us>, and/or contact Paul Brown (Paul.Brown@twu.ca), Chair, Department of Chemistry.

Spring Chemistry Instructor Needed

Highline College | Des Moines, WA | ACS PSS Posting Date: 02/01/2019

Highline College is in need of an instructor for an 8am Intro Chem class (Chem 121) for Spring quarter [Lecture: TWThF (8:00-8:50am), Lab: M (8:00-9:50 am)]. The first day of instruction is April 1st and the final exam is on June 10th. If interested, or know of anyone that might be interested, please email a CV to Melissa Moehlig (mmoehlig@highline.edu).

Part-Time Chemistry Instructor

Seattle Central College | Seattle, WA | ACS PSS Posting Date: 02/01/2019

Seattle Central College is looking for a part-time chemistry instructor to teach CHEM121 (Intro to Chemistry), CHEM122 (Intro to Organic Chem) and CHEM162 (General Chem with Lab 2) in Spring Quarter 2019.

Full-Time Faculty Positions in Mathematics

Bellevue College | Bellevue, WA | ACS PSS Posting Date: 02/01/2019

First review of applications was January 31st, 2019. Applications received after that date may be considered until the position is filled.

Full-Time Faculty Position in Meteorology

Bellevue College | Bellevue, WA | ACS PSS Posting Date: 02/01/2019

First review of applications is February 7th, 2019. Applications received after that date may be considered until the position is filled.

September 17, 2018; position open until filled.

Assistant Professor of Chemistry (Analytical)

Whitworth University | Spokane, WA | ACS PSS Posting Date: 09/30/2018

The Chemistry Department at Whitworth University invites applications for a tenure-track position in chemistry at the rank of Assistant Professor. Applicants in Analytical Chemistry and all related sub-disciplines are welcome to apply. Candidates must demonstrate a strong commitment to teaching excellence and the ability to establish a robust research program, which is competitive for external funding and involves undergraduate research assistants. ([View PDF of Job Posting](#))

Chemistry/Science Education TT Faculty Position

Western Washington University | Bellingham, WA | ACS PSS Posting Date: 07/27/2018

Applications are invited for one tenure track position at the assistant or associate professor levels in chemistry with a specialization in science education. This will be a joint appointment between the chemistry department and the Science, Math and Technology Education (SMATE) program at Western Washington University (WWU) in Bellingham, WA, beginning September 2019. The chemistry department and SMATE program are committed to WWU's goal of recruiting and retaining diverse faculty, and welcome applications from diverse candidates. The ideal candidate will enhance our existing strengths in education and research by teaching chemistry and teacher preparation courses as well as leading an active research program in science education. A Ph.D. by hire date is required. Please see the full position announcement for all required and preferred qualifications and to apply: <http://employment.wvu.edu/cw/en-us/job/495871/>. Inquiries may be addressed to Prof. Emily Borda at (360) 650-3135 or bordae@wwu.edu. WWU is an AA/EO employer. For disability accommodation call (360) 650-3774. Review of applications begins September 17, 2018; position open until filled.

MEMBER BENEFITS

Join ACS!

Benefits and Resources Available to You

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

[Member Benefits](#)

[ACS National Strategic Plan](#)

[Online Resources](#)

[About the Puget Sound Section](#)



ACS National Resources

Services to take advantage of

Provide a few examples. Expand this section.

ACS Webinars

Webinars on Chemistry Themed Topics

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

LIVE every Thursday at 2pm ET!



EXECUTIVE COMMITTEE ROSTER

Position	Election Year	Name	Contact Email
Chair	N/A	Leonard J. Andrews	chair@pugetsound.sites.acs.org
Chair-Elect	Annually	Jennifer Marsalla	N/A
Past Chair	N/A	Leonard J. Andrews	N/A
Secretary	Annually	Michael Meechan	secretary@pugetsound.sites.acs.org
Treasurer	Annually	David Munch	treasurer@pugetsound.sites.acs.org
Newsletter Editor	N/A	Jonathan Clark	newsletter@pugetsound.sites.acs.org
Councilor Position 1	2020	David Patrick	N/A
Alternate Councilor Position 1	2020	Gwen Gross	N/A
Councilor Position 2	2021	Gary Christian	N/A
Alternate Councilor Position 2	2021	John Macklin	N/A
Councilor Position 3	2019	Craig Fryhle	N/A
Alternate Councilor Position 3	2019	Carole Berg	N/A
Councilor Position 4	2020	Dharshi Bopegedera	N/A
Alternate Councilor Position 4	2020	Charity Lovitt	N/A
Councilor Position 5	2021	Despina Strong	N/A
Alternate Councilor Position 5	2021	Natalie Merrill	N/A

Other Contact	Contact Email
Executive Committee	executivecommittee@pugetsound.sites.acs.org
General Contact	info@pugetsound.sites.acs.org

OTHER OUTSTANDING VOLUNTEERS

Position	Name	Contact Email
Awards Committee* Chair	Leonard J. Andrews	N/A
Career Event Committee Chair	Dharshi Bopegedera	N/A
Communications Committee Chair	Jonathan Clark	N/A
Earth Day Committee Chair	Karen Goodwin	N/A
Education Committee* Chair	Jennie Mayer	education@pugetsound.sites.acs.org
Employment Committee* Chair	Vacant	N/A
Finance Committee* Chair	David Munch	N/A
Hospitality Committee* Chair	Carole Berg	N/A
Pauling Medal Symposium Committee Chair	N/A for 2019	N/A
Long-Range Planning Committee* Chair	Vacant	N/A
Membership Committee* Chair	Vacant	N/A
National Chemistry Week Committee Chair	Roxanne Hulet	N/A
Nominating Committee Chair	Leonard J. Andrews	elections@pugetsound.sites.acs.org
Program Committee* Chair	Leonard J. Andrews	N/A
Professional Relations & Status Committee* Chair	Vacant	N/A
Public Affairs Committee* Chair	Vacant	N/A
Public Relations Committee* Chair	Craig Fryhle	N/A
Regional Activities Committee* Chair	Vacant	N/A
Safety Committee Chair	Natalie Merrill	N/A
Senior Chemists Committee Chair	Despina Strong	seniorchemists@pugetsound.sites.acs.org
Sustainability Committee Chair	Natalie Merrill	N/A
Undergraduate Research Symposium Committee Chair	Neal Yakelis	N/A
Webmaster	Jonathan Clark	webmaster@pugetsound.sites.acs.org
Women Chemists Committee Chair	Despina Strong	N/A
Younger Chemists Committee Chair	Michael Meechan	ycc@pugetsound.sites.acs.org

*Standing Committee (per the bylaws)



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