

THE CHEMIST

256th ACS National Meeting and Exposition

The Puget Sound Chemist

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August 19 - 23, 2018 | Boston, MA

ACS National Meeting & Expo

Nanoscience, Nanotechnology & Beyond

256th ACS National Meeting and Exposition

August 19th – 23rd, 2018 in Boston, Massachusetts



ACS
Chemistry for Life®

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 general email
correspondence to:

info@pugetsound.sites.acs.org

Summertime!

The Executive Committee takes a break from the monthly meetings during the months of July and August. We'll meet again starting in September.

The 256th ACS National Meeting and Exposition will begin on August 19th, 2018 and will run through August 23rd, 2018. Vast quantities of information are available on the [ACS National Meeting website](#).

The 2018 Linus Pauling Medal Award is jointly awarded by the Puget Sound, Portland and Oregon local sections to an individual who has demonstrated outstanding achievement in chemistry. This year's award winner is Dr. Geraldine Richmond of the University of Oregon. The Pauling Award Symposium is set for November 17th, 2018 at the University of Washington Bothell. I hope to see many of you there! For further info, check out the [2018 Linus Pauling Medal Award website](#).

The call for nominations window for the 2018 ACS Puget Sound Section elections is still open (for terms starting in 2019). See details on [page 4](#).

Cheers!



Jonathan Clark

Newsletter Editor

Contents

- 1 [From the Editor](#)
- 2 [Contents](#)
- 3 [Calendar](#)
- 4 [News Briefs](#)
- 12 [Science Cafés](#)
- 13 [Younger Chemists Committee](#)
- 14 [Mark Your Calendar](#)
- 18 [Careers](#)
- 20 [Roster](#)



Calendar – August 2018

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

August 2018 – No Executive Committee Meeting this month

Executive Committee Meetings will resume in September

19-23 August 2018 – 256th ACS National Meeting and Exposition

Location: Boston, MA

Puget Sound Section

Call for Nominations

ACS Puget Sound Section Executive Offices

- Call for Nominations -

The ACS Puget Sound Section is calling for nominations for its Executive Committee officers for 2019. We have eight positions up for election. A brief description of the duties of each position is provided. Please note that attendance at executive meetings is a responsibility for all positions.

Section Chair-Elect/Chair/Past-Chair

(1 Year Term per Position – One open position for 2019 - 2021)

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 nominations committee

News Briefs

ACS Puget Sound Section Executive Offices

- Call for Nominations -

Section Chair/Past-Chair

(1 Year Term per Position – One open position for 2019 - 2020)

Position Descriptions are the same as above – replacement for a vacated position.

Secretary (1 Year Term – One open position for 2019)

The Secretary's primary duties include

- taking and distributing notes at Executive Committee meetings
- creating and managing election ballot and works 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 2019)

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 (3 Year Term – Two open positions for 2019-2021)

The Councilor's primary duties include

- representing the section at the two National meetings and serve 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 (3 Year Term – Two open positions for 2019 -2021)

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.

News Briefs

ACS Puget Sound Section Executive Offices

- Call for Nominations -

Nominations and Elections Tentative Timeline

Call for nominations	April 1 st – August 31 st
Voting (mail and online)	~October 15 th – November 4 th
Election Validated	By November 12 th

Nominating Committee

Karen Goodwin, Nominations Committee Chair
Greg Milligan
David Munch
David Patrick

Nominations or questions?

Send your nominations and /or submit any questions via email to: elections@pugetsound.sites.acs.org

Call for Nominations

News Briefs

256th ACS National Meeting & Exposition



Early Registration ended July 9th, 2018.

[Register Here](#)

News Briefs

2018 Pauling Medal Award Winner – Press Release

2018 Linus Pauling Medal Award Winner

The American Chemical Society (ACS) Oregon, Portland, and Puget Sound Sections have named Dr. Geraldine Richmond, Presidential Chair in Science and Professor of Chemistry at the University of Oregon, the 2018 recipient of the Linus Pauling Medal Award. Dr. Richmond has made fundamental discoveries of interactions at oil-water and air-water interfaces which produced observations of how environmentally and biologically important molecules adsorb and orient at liquid surfaces. The significance of this research has become apparent in the aftermath of the Deepwater Horizon oil spill in 2010 as such fundamental research can lead to new products (e.g., oil dispersants) that are more effective or more environmentally friendly than those available today.

As described by her colleagues “Dr. Richmond is the embodiment of what we revere in the life of Linus Pauling: an exceptional chemist whose impact went beyond the science to include his extraordinary humanitarian efforts for peace and social justice around the world.” Dr. Richmond has “has done it all – an outstanding researcher, a devoted educator, and an amazing mentor.”

Dr. Richmond’s contributions have been recognized with numerous awards including the 2018 Priestley Medal, the 2013 National Medal of Science awarded by President Obama, the 2013 Charles L. Parsons Award, the 2013 Davison Germer Prize for Atomic and Surface Physics from the American Physical Society, and the 2011 Joel H. Hildebrand Award in the Theoretical and Experimental Studies of Liquids. Her scientific leadership positions include Presidential appointment to the National Science Board, President of the American Association for the Advancement of Science (AAAS), U.S. Science Envoy for the Lower Mekong River Countries, and the founding of COACH which works to increase the scientific success and leadership capacity of women scientists and engineers in the U.S. and in developing countries. More information on Dr. Richmond can be found at <http://richmondscience.uoregon.edu/>.

The Linus Pauling Medal has been awarded annually since 1966 by the Oregon, Portland, and Puget Sound Sections of the American Chemical Society in recognition of outstanding achievement in chemistry comparable to that of its namesake and initial awardee, Dr. Linus Pauling. A native of the Pacific Northwest, Dr. Linus Pauling is noted as being the only person to whom two undivided Nobel Prizes have been awarded: Chemistry (1954) and the Peace Prize (1962). Over a third of the Linus Pauling Medal recipients have also won the Priestley Medal, which is the highest honor given by the American Chemical Society and typically recognizes a lifetime of achievement. Likewise, over half of the Linus Pauling Medal roster has received the National Medal of Science – the highest award that a scientist can receive from the United States government – and more than a quarter are Nobel laureates.

The Linus Pauling Medal Award Symposium and Awards Banquet will be held on Saturday, November 17, 2018 at the University of Washington Bothell. More information and event registration may be found at <https://www.uwb.edu/physical-sciences/2018-pauling-medal>.



News Briefs

NEW PLAY coming to ACT Theater!

"Queen" – August 3rd-19th, 2018

Information and Tickets: <http://www.acttheatre.org/Tickets/OnStage/Queen>

The play follows two women researchers and is set in academia. The story covers the topics of biology (bees), chemistry (neonic pesticides), math (statistical modeling) and ethics in research. PhD candidates Sanam and Ariel have spent the better part of the last decade exhaustively researching vanishing bee populations across the globe. Just as these close friends are about to publish a career-defining paper, Sanam stumbles upon an error, which could jeopardize their reputations, careers, and friendship. How far will you go to defend your ethics and standards of integrity, and at what cost? Queen by Madhuri Shekar is a play about pursuit of truth, relationships, and bees.

Show times: August 3rd through 19th, 2018. (Thu/Fri/Sat: 7:30PM, Sun: 2:00pm)

General Admission: \$25 Students: \$15

**Seattle AWIS members get a 20% discount on Queen tickets by using the discount code, AWISQueen*

UW Genome Sciences hosts public lectures (Wed evenings)

<http://www.gs.washington.edu/news/publiclecture.htm>

These discussions assume no background knowledge in genetics or other biological subjects and provide opportunities to chat with our presenters.

Admission is free.

Presentations begin at 7:00 pm in UW Campus, Foege Auditorium

August 1st, 2018 - Dr. Evan Eichler "Understanding the genetics of autism"

News Briefs

Awards and Scholarships Info

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

- **2-year and 4-year college student scholarships, \$1500.**
The application deadline for 2018 was March 15.
- **High School Teacher of the Year Award, \$250.**
The application deadline for 2018 was April 30.
- **ACS Student Affiliate Chapter Grants for activities and/or travel, up to \$400.**
Applications are accepted until funds are spent.
- **K-12 Educator Grants, up to \$500.**
Applications are accepted until funds are spent.

For more details and applications, visit our page at
<http://pugetsound.sites.acs.org/scholarshipsandawards.htm>

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

News Briefs

ACS Career Resources

<https://www.acs.org/content/acs/en/careers.html>

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



2018 Heroes of Chemistry 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 2018 Heroes of Chemistry Award are now closed. The deadline for the 2018 applications was March 1st, 2018.

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



ACS Webinars

Hundreds of webinars presented by subject matter experts in the chemical enterprise. LIVE every Thursday at 11am PST (2pm ET)!



Science Cafés & Lectures

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

Science in the City - Lectures by the Pacific Science Center

The Pacific Science Center organizes an excellent Science Lecture series. Please take a look:

<https://www.pacificsciencecenter.org/lectures>

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>

Younger Chemists Committee

YCC Questionnaire

Dear YCC,

The YCC is attempting to increase member involvement. In order to achieve this, we would appreciate it if members were to complete the three question survey included in the following link:

<https://www.surveymonkey.com/r/2VMVV9C>

Michael
YCC Chair



Mark Your Calendar

2018 Pauling Medal Award Winner Chosen

This year's award winner is Dr. Geraldine Richmond of the University of Oregon. The Pauling Award Symposium is set for November 17th, 2018 at the University of Washington Bothell.

The Linus Pauling Medal Award is sponsored jointly by the Portland, Puget Sound, and Oregon sections of the American Chemical Society, and is presented annually in recognition of outstanding achievement in chemistry in the spirit of, and in honor of, Linus Pauling, a native of the Pacific Northwest. A nominee shall have made outstanding contributions to chemistry of a character that merit national and international recognition, however the award will not be given for work for which the nominee has already received a Nobel Prize. Scientists of all nationalities are eligible for this award. According to Pauling's express wish, it is preferred that the award honor younger scientists whenever possible. The Medal will be presented at the 2018 Linus Pauling Medal Award Symposium to be held this fall at University of Washington Bothell.

For further information, please visit the 2018 Linus Pauling Medal Award website at:

<http://www.uwb.edu/physical-sciences/2018-pauling-medal>



Mark Your Calendar

Save the Date! 50/60/70 Year ACS Member Award Banquet

The banquet will be held on Saturday evening, September 8th, 2018 in the Culinaire Room at the Roberts Campus Center at Renton Technical College. Drinks and introductions will begin at 5:30pm and dinner will follow at 6:30pm. The award presentations will be after dinner.

RSVP/registration/payment details and other event information will be posted our website.

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

OSHA Toolkit and Training

In Person Trainings: Transitioning to Safer Chemicals

This 1.5 day course will provide participants with hands-on experience and information about the process for transitioning to safer chemicals, as well as the key methods, tools, and databases that can assist in this process. More specifically, the course will guide participants through OSHA's seven-step substitution planning process for understanding and evaluating chemical use, identifying and assessing alternatives, and implementing those alternatives. Presented by OSHA and University of Washington.

September 5th - 6th, 2018 in Seattle, WA - [Registration Link](#)

Mark Your Calendar

Save the Date – Dr. Mark Wicholas Symposium

A Celebration of **LEGACY**



DR. MARK WICHOLAS

1940-2017

**Kindly Save the Dates:
October 5 & 6, 2018**

We will be holding a symposium at Western this fall to celebrate Mark's legacy. Details to follow in August.

Dr. Mark Wicholas joined the WWU Chemistry Department in 1967 and served as Department Chair from 1982 to 2007. Dr. Wicholas died on November 20, 2017.

Throughout his career, Dr. Wicholas served as a mentor to students interested in research and published several papers with them. In his words, *“The one-on-one mentoring of students in research is the most important thing we can do in preparing them for future careers in science.”*



Mark Your Calendar

2019 Undergraduate Research Symposium

The 2019 Undergraduate Research Symposium is planned to be held at the University of Puget Sound on Saturday, April 27th, 2019.

Careers

Job Openings

Visit our [web page](#) for current job opportunities.

[Adjunct Faculty Needed for Fall \(Pierce College\)](#)

Deadlines: See job posting

Location: Puyallup, WA

ACS PSS Posting Date: 07/27/2018

Brief Description: Pierce College Puyallup is looking for instructors for the following afternoon/evening classes: CHEM 121 (TTh 3-4:50 Lecture, T 5-6:50 Lab) || Double section: CHEM 121 (MW 5:30-7:20 Lecture, MW 7:30-9:20 Lab) || CHEM 139 (MW 5:30-7:40). If you or anyone you know are interested in any of these classes, please email Katy Olsen-Tiglao (KOlsen@pierce.ctc.edu) and apply online here: <https://www.governmentjobs.com/careers/piercedist/jobs/662108/adjunct-faculty-chemistry-pool-part-time>

View PDF of Job Posting: N/A

[Chemistry/Science Education TT Faculty Position \(Western Washington University\)](#)

Deadlines: 09/17/2018

Location: Bellingham, WA

ACS PSS Posting Date: 07/27/2018

Brief Description: 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.wwu.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.

View PDF of Job Posting: N/A

Careers

Job Openings

Visit our [web page](#) for current job opportunities.

[Science Lab Manager \(Bellevue College\)](#)

Deadlines: 08/10/2018

Location: Bellevue, WA

ACS PSS Posting Date: 07/27/2018

Brief Description: Bellevue College is seeking a Science Lab Manager, who plans, develops, manages, implements and reviews the scientific instructional support for science programs. Duties include supervising scientific instruction support staff, managing equipment/supplies and equipment budgets, overseeing health and safety expectations, and providing professional and technical support for Science Division classes, initiatives and outreach in multiple disciplines. The Science Lab Manager reports to the Science Division Dean.

View PDF of Job Posting: N/A

Internships

King County Internships - <http://www.kingcounty.gov/audience/employees/careers/jobs.aspx>

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

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

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

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

Roster

ACS Puget Sound - Executive Committee	
Chair	Leonard J. Andrews
Chair Elect	Vacant
Past Chair	Karen Goodwin
Secretary	Michael Meechan
Treasurer	David Munch
Newsletter Editor	Jonathan Clark
Councilor - Position 1 (2020)	David Patrick
Councilor - Position 2 (2018)	Gregory Milligan
Councilor - Position 3 (2019)	Craig Fryhle
Councilor - Position 4 (2020)	Dharshi Bopegedera
Councilor - Position 5 (2018)	Despina Strong
Alternate Councilor - Position 1 (2020)	Gwen Gross
Alternate Councilor - Position 2 (2018)	Amar Yahiaoui
Alternate Councilor - Position 3 (2019)	Carole Berg
Alternate Councilor - Position 4 (2020)	Charity Lovitt
Alternate Councilor - Position 5 (2018)	Natalie Merrill

Other Outstanding Volunteers	
Awards Committee Chair	TBA
Career Event Committee Chair	Dharshi Bopegedera
Communications Committee Chair	Jonathan Clark
Earth Day Committee Chair	Karen Goodwin
Education Committee Chair	Jennie Mayer
Finance Committee Chair	David Munch
Hospitality Committee Chair	Carole Berg
Pauling Medal Symposium Committee Chair	Charity Lovitt
Long Range Planning Committee Chair	Vacant
National Chemistry Week Committee Chair	Roxanne Hulet
Nominating Committee Chair	Karen Goodwin
Program Committee Chairs	Leonard Andrews
Public Relations Committee Chair	Craig Fryhle
Safety Committee	Natalie Merrill
Senior Chemists Committee	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



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