

THE CHEMIST

Pauling Award Winner Announced

The Puget Sound Chemist

Volume 79 No. 7 - July 2018

Dr. Geraldine Richmond
**2018 Pauling Award
Winner**



Save the Date: Pauling Award Symposium

November 17th, 2018 at the University of Washington - Bothell



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 our monthly meetings during the months of July and August. We're still active in one form or another. There will be social events to attend and we'll meet again in September.

The 2018 Linus Pauling Medal Award and associated symposium are an important part of the Puget Sound Section's heritage and culture. This prestigious annual 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 Campus). I hope to see many of you there! For further info, check out the [2018 Linus Pauling Medal Award website](#).

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

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

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Calendar – July 2018

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

July 2018 – No Executive Committee Meeting this month

Executive Committee Meetings will resume in September

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

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

Beyond Benign Online Courses

Online Courses for High School Science Educators

Introduction to Green Chemistry

June 11–August 6, 2018

Looking to create a safer more engaging learning environment for your students? This course will equip you to integrate green chemistry principles and practices into your classroom by teaching through real-world sustainable innovations. Develop safer labs and lessons aligned to your local standards in an interactive online environment that allows you to go at your own pace.

Participation and Fees Both Courses:

\$450: Payable to Beyond Benign at registration

\$135 (optional): Payable to Colorado School of Mines for 3 graduate credits

WA teachers will receive **½ off registration (\$225)** thanks to sponsorship from WA State Dept. of Ecology

WA teachers will be eligible to receive **48 STEM Clock hours** thanks to Educational Service District 112

Register by May 25, 2018 by contacting Kate Anderson: [Kate_anderson@beyondbenign.org](mailto:kate_anderson@beyondbenign.org)

Advanced Green Chemistry: Connections to Our World

June 11– July 23, 2018

Ready to take green chemistry to the next level in your classroom? In this course you will expand your knowledge of green chemistry principles and practices by analyzing Presidential Green Chemistry Challenge Award technologies. In addition, you will investigate the pedagogy for effective guidance of student-based research projects and inquiry-based projects.

Participation and Fees Both Courses:

\$450: Payable to Beyond Benign at registration

\$135 (optional): Payable to Colorado School of Mines for 3 graduate credits

WA teachers will receive **½ off registration** thanks to sponsorship from WA State Dept. of Ecology

WA teachers will be eligible to receive **48 STEM Clock hours** thanks to Educational Service District 112

Register by May 25, 2018 by contacting Kate Anderson: [Kate_anderson@beyondbenign.org](mailto:kate_anderson@beyondbenign.org)

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

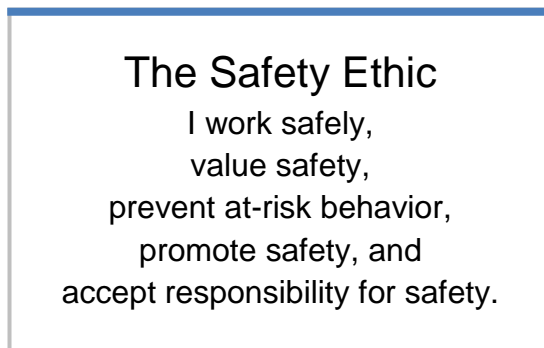
Safety Committee

Puget Sound ACS Section Safety Committee - Convened 2018

Chair: Natalie Merrill, ACS Fifth Alternate Councilor
Natalie.Merrill@outlook.com, namerrill@gmail.com

Our Puget Sound ACS Safety Committee has joined the Lab Managers ListServ in order to be connected with 90-100 chemists leading labs across Washington State. A meeting with the listserv community will be held in late June or early July. The summer picnic of all academic laboratory managers and lab techs will be attended by our safety committee. The location and date will be communicated to the members of the listserv. Please contact us with your interest in attending.

Our Puget Sound Safety Committee is modeled after our National ACS Committee on Chemical Safety, to promote safety through education and best practices in Academia and Industry. Please review the ACS Safety Culture at the link given below.



<https://www.acs.org/content/acs/en/chemical-safety/safety-culture.html>

Join us! If you would like to participate, or if you have safety interests or potential needs, please reach out to us at the email contact information above, and join your local ACS Safety Committee. We look forward to tailoring the activities of our Puget Sound Safety Committee to the needs of our members, so please don't hesitate to reach out with your input or needs, by emailing the chair at the contact email(s) given above. Wishing everyone a safe month in June, and have a great summer!

--Natalie Merrill

News Briefs

Sustainability Committee

Chair: Natalie Merrill, ACS Fifth Alternate Councilor

Natalie.Merrill@outlook.com, namerrill@gmail.com

Our Puget Sound ACS Sustainability Committee Chair open position has been filled by our Fifth Alternate Councilor, effective May 2018. This month, we recommend the free ACS webinar below to your calendars for July. The webinar is a free benefit of your ACS membership, and if you are unable to attend the slides are available afterwards.

How Sustainable Chemistry is Safer Chemistry

Thursday, July 19, 2018 at 2-3 pm ET

Should “good science” be constrained by either safer or greener practices? Furthermore, is “good science” mutually exclusive from safety and green chemistry? It can be seen that the practice of chemistry in academia has been slow in adopting greener chemistry, and in addition, safety standards in academic laboratories are perceived as less rigorous than those found in industrial settings. Join David Constable of the ACS Green Chemistry Institute in this free interactive broadcast as he demonstrates that the best science is that which incorporates safety and green chemistry into the design and practice.

[Register for Free](#)


What You Will Learn

- How inherent safety and green chemistry are more than close allies
- Why proper design of chemistry routes and processes is essential to ensure safer, greener chemistry
- Why we should get used to trade-offs and not let the pursuit of perfection be the enemy of the good

Webinar Details

- Date: Thursday, July 19, 2018 at 2-3 pm ET
- Fee: Free to Attend
- Download slides on Live event date

[Sustainability Toolkits](#)

Sustainability Toolkits to aid educators and scientists are created and maintained by ACS at this link:  Please check the link for classroom resources and featured content on Climate Science and Sustainable Energy.

Chair: Natalie Merrill, ACS Executive Committee 2018

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 Campus).

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 campus.

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

NEW PLAY coming to ACT Theater!

“Queen” – August 3rd-19th, 2018

<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.

256th ACS National Meeting & Exposition



Early Registration ends July 9th, 2018.

[Register Here](#)

Mark Your Calendar

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](#)

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.

[Visiting Assistant Professor/Instructor of Chemistry \(Pacific Lutheran University\)](#)

Deadlines: See job posting

Location: Tacoma, WA

ACS PSS Posting Date: 06/29/2018

Brief Description: The Department of Chemistry at Pacific Lutheran University (PLU) seeks to hire a full-time Visiting Assistant Professor/Instructor with teaching responsibilities primarily in general chemistry and lower division laboratory courses (general and organic chemistry). There may also be opportunities to mentor undergraduates in research. The department (<http://www.plu.edu/chemistry/>) offers ACS certified degrees. Instrumentation and resources include 500 MHz FTNMR, AFM, GC/MS, HPLC, FTIR, Raman, UV/VIS, ICP-MS, GPC, a glovebox, and a variety of computational chemistry software.

View PDF of Job Posting: N/A

2018-19 Full-time Temporary Faculty in Mathematics ([Bellevue College](#))

Deadlines: Noon on 07/03/2018

Location: Bellevue, WA

ACS PSS Posting Date: 06/29/2018

Brief Description: The Bellevue College Mathematics Department is currently seeking to hire a full-time temporary faculty (non-tenure track) for the 2018-19 academic year.

View PDF of Job Posting: N/A

[Full Time Temporary Chemistry Instructor \(Clark College\)](#)

Deadlines: 07/02/2018

Location: Vancouver, WA

ACS PSS Posting Date: 06/29/2018

Brief Description: We have openings for two full-time temporary chemistry instructors at Clark, starting in fall. The openings are posted now, with a projected closing date of July 2. You can find more information here: <http://www.clark.edu/about/jobs-and-employment/jobs/index.php>

View PDF of Job Posting: N/A

Careers

Job Openings

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

Chemistry and Physics Teacher ([Northwest Yeshiva High School](#))

Deadlines: See job posting

Location: Mercer Island, WA

ACS PSS Posting Date: 05/30/2018

Brief Description: Northwest Yeshiva High School, a small Jewish Private School on Mercer Island, seeks dynamic, student-centered Chemistry and Physics teachers for the 2018-2019 school year. Full time and part time positions available. Competitive salary commensurate with experience. Qualified applicants should submit a cover letter and current resume to jobs@nyhs.org

View PDF of Job Posting: N/A

[Lecturer in Chemistry \(2 Positions\)](#) ([Whitworth University](#))

Deadlines: See job posting

Location: Spokane, WA

ACS PSS Posting Date: 03/30/2018

Brief Description: Whitworth University has 2 openings for benefits-eligible, non-tenure-track lecturer positions beginning August 2018. Primary teaching responsibilities for 1st position include general, organic and biochemistry (GOB) for non-majors. Primary teaching responsibilities for 2nd position include general chemistry lectures and labs. Additional teaching assignments for both positions may include other lower division laboratories and courses as needed; a willingness to teach organic laboratories would be desirable. The anticipated teaching load is contingent on need but is anticipated to be 18-21 credit hours with benefits eligibility and faculty development opportunities. For details and to apply, please go to <http://www.whitworth.edu/Administration/HumanResources/jobs.aspx?typeid=4>. Questions can be sent to Trisha Russell (trisharussell@whitworth.edu).

View PDF of Job Posting: N/A

Careers

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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