

# THE CHEMIST

2017 Linus Pauling Medal Award Symposium

*The Puget Sound Chemist*

Volume 78 No. 11 - November 2017



**Pauling Award Symposium**

**November 18<sup>th</sup>, 2017**



**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](mailto:info@pugetsound.sites.acs.org)

### The Pauling Award Symposium is this month!

The 2017 Linus Pauling Medal Award Symposium will be hosted on Saturday, November 18<sup>th</sup>, 2017 at Portland State University, in Portland, Oregon. Info/event registration: <https://www.pdx.edu/chemistry/pauling>

Read about the Puget Sound Section's Mission, Vision and Goals in an article written by Despina Strong on [page 5](#).

The University of Washington's Women in Chemical Engineering group has a career panel event on November 9<sup>th</sup>, 2017 ([page 11](#)).

There will be a Senior Chemists Lunch Meeting on November 10<sup>th</sup>, 2017 from 12:00pm to 2:00pm at the Snappy Dragon restaurant. All members and their guests are invited to participate in this social event geared toward our senior members. The cost is \$7 per person and the food is great! **Please RSVP by November 1<sup>st</sup>, 2017 to [strongdespina@gmail.com](mailto:strongdespina@gmail.com)**

Registration for the 2018 Career Event is open! [Register here](#). The event will be held at City of Tacoma's Center for Urban Waters Research Lab from 1:00pm – 5:00pm on January 31<sup>st</sup>, 2018.

Cheers!



*Jonathan Clark*

Newsletter Editor

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# Calendar – November 2017

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

## **10 November 2017 – Senior Chemists Lunch Meeting**

Time: 12:00pm – 2:00pm

Location: Snappy Dragon - 8917 Roosevelt Way NE, Seattle, WA 98115

## **13 November 2017 – Executive Committee Meeting**

Time: 7:00pm

Location: North Seattle Community College - 9600 College Way N, Seattle WA 98103

Room 2328C - South end of the 2<sup>nd</sup> floor of the Instruction Building (IB)

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

## **18 November 2017 – Linus Pauling Medal Award Symposium & Banquet**

Time: 12:15pm – 8:30pm

Location: Hoffman Hall, Portland State University - 1833 SW 11th Ave, Portland, OR 97201

***Puget Sound Section***

# News Briefs

## 2017 Linus Pauling Medal Award Symposium

The 2017 Linus Pauling Medal Award Symposium will be hosted on Saturday, November 18<sup>th</sup>, 2017 at Portland State University, in Portland, Oregon. More information and event registration may be found at: <https://www.pdx.edu/chemistry/pauling>



The 2017 Pauling Medal Awardee is **Christopher C Cummins** (Henry Dreyfus Professor of Chemistry, B.A. 1989, Cornell University, Ph.D. 1993, Massachusetts Institute of Technology (MIT)).



# News Briefs

## Puget Sound Section Mission, Vision and Goals

Article #2 by Despina Strong

Fellow ACS members,

This is my second in a series of articles about the Puget Sound Section. In this article I want to share with you the mission, vision and goals of our local section. I want to highlight some of the standing activities in the section and how they align with the mission, vision and goals.

The local section Mission, Vision and Goals were drafted in 2014 and have been in effect since then. When developing these the Executive Committee reviewed the national society's Strategic Plan and decided to adopt the statements with some minor edits to fit our regional priorities.

**Mission** - *We promote the mission of the society to improving people's lives through the transforming power of chemistry for the benefit of the Puget Sound Region and its people.*

**Vision** - *The Puget Sound Local Section Executive Committee is an innovative, talented, productive and motivated group of volunteers who are invested in the advancement of chemistry, the development of the members of the section and in the promotion of effective education in our region. We play a key role in ensuring that all of our programs promote the society's mission and goals. We look for innovative opportunities with the greatest social benefit. Our members are active partners in our work, ensuring that high value services are provided equitably and consistent with community needs and desires.*

### **Goal 1: Promote the Initiatives of the Society**

*Provide information to the members and the public focusing on the priorities of the Society including climate, energy and the environment and communicate the value of chemistry in addressing national and international issues.*

*Strategy 1: Seek grants and fund public meetings*

*Strategy 2: Participate in regional events and activities to communicate the role of chemistry*

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1. In the last five years, the local section has received at least one grant relating to sustainability and has used it to conduct a training session.
2. The section has also made it a goal to coordinate at least one joint meeting annually with the Association For Women in Science. We have coordinated joint meetings on climate change, sustainability, emergency preparedness and the new Cannabis law in our state. These and all other meetings are announced in the newsletter and are posted on our webpage. We also send emails to the general membership to alert you of upcoming opportunities.

*[Continued on next page...]*

# News Briefs

## Puget Sound Section Mission, Vision and Goals (continued)

Article #2 by Despina Strong

3. Several members of the Executive Committee and other members volunteer to coordinate National Chemistry Week and Earth Day events aimed at highlighting science and chemistry's role in our lives with young students and adults in our region. The budget allots \$500 for these activities.
4. The section provides funding (\$500) to our chemistry educators by supporting the Washington College Chemistry Teachers Association's annual conference in October.

### Goal 2: Improve Education

*Promote activities and programs to support students and practitioners and promote the development of leadership skills.*

*Strategy1: Fund Scholarships and grants for K-12, 2-year and 4-year college students and chemistry clubs*

*Strategy 2: Fund Symposia and meetings organized and led by YCC, Women's committee and chemistry clubs*

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The local section calendar is full of activities year round and our overall budget reflects the commitment to this goal. Here are some examples:

1. Career Day. In February, students from around our region as far west as Port Angeles area, south as Centralia, and sometimes from Ellensburg participate in a ½ day event. The event highlights careers for chemists in the region. The event is held at a local, state, or federal laboratory and other facilities such as Boeing's laboratories. Alternate Councilor, Dharshi Bopegedera (Evergreen State College) has developed this excellent model with undergraduate students as the primary target audience. The event reaches 40-70 students and is very popular. The budget allotment for this is \$500.
2. Undergraduate Research Symposium (URS). We recognize that undergraduate students need to share their knowledge and develop a network with peers and other scientists. However, few students get a chance to attend and present at regional and/or national meetings. To bridge that gap, our Executive Committee has allotted \$3,500 in its annual budget to support an annual URS. The URS is usually in late April. What makes this even more meaningful is the collaboration of over 13 institutions that take on the role of hosting the event on a rotational basis. The event has been held as far north as Bellingham and in Ellensburg. A special shout out to councilor Craig Fryhle (Pacific Lutheran University) for his leadership over the years.

*[Continued on next page...]*

# News Briefs

## Puget Sound Section Mission, Vision and Goals (continued)

Article #2 by Despina Strong

3. Scholarships & Grants. The Education Committee manages close to a \$10,000 budget for grants and scholarships to students, clubs and faculty. The largest portion of the budget supports four undergraduate scholarships @\$1,500. The scholarships are awarded during the URS. Application materials, and criteria for the various grants and scholarships as well as deadlines can be found on the local webpage (<http://pugetsound.sites.acs.org/scholarshipsandawards.htm>). Councilor Despina Strong is the current chair of the Education Committee.
4. Chemistry Olympiad. The section proctors the annual Chemistry Olympiad. Clarita Bhat (Shoreline Community College) has been the champion of this effort and hosts the laboratory test on her campus. Over the last 5 years, the number of students and schools participating has increased, and the scores are impressive. Teachers interested in sending students to the Olympiad could go to the website for information (<http://pugetsound.sites.acs.org/chemistryolympiad.htm>).

### Goal 3: Promote Members

*Provide information and activities that support career development*

*Strategy 1: Provide opportunities to be engaged in current events*

*Strategy 2: Organize social events to promote networking amongst members*

*Strategy 3: Provide information about career development and job opportunities*

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1. Social Events. With busy lives, it's nice to have opportunities periodically to network and have fun with fellow chemists from around the region. The section is fortunate to have Carole Berg (Bellevue College) who helps coordinate many of the social events in the section. Other Executive Committee members have also coordinated events in the past. While many of these events are in the Seattle area, last year, a group of about twenty members and family drove to Maryhill Winery in Eastern Washington for a joint picnic / winery tour with members from the Portland and Richland sections. In spring 2017, members from the Tacoma-Olympia area attended a tour of a brewery in Olympia with a no host lunch afterwards. Other activities sponsored by our section in recent years included, vodka tasting at a local distillery in Seattle, private tour of St Michelle winery, and a chocolate factory. Carole also invites all of us to her lovely home in December for desserts and some years she hosts a picnic at her second home on Lake Tapps during the summer. These events are open to all members and are well attended.

*[Continued on next page...]*

# News Briefs

## Puget Sound Section Mission, Vision and Goals (continued)

Article #2 by Despina Strong

2. Awards and Recognition. The section is home to well over 400 retired chemists some of whom have been ACS members for more than 40 or 50 years. The section hosts a dinner in honor of those who reach the 50 year and or 60 year mark once a year. Listening to the accomplishments of these individuals is a highlight of the event for those able to attend.

3. Communication. Our fierce editor Jonathan Clark does an outstanding job publishing our monthly newsletter "The Chemist". Jonathan highlights current events sponsored by our section and other events that are of interest to members. In addition he posts job openings and provides links to the national website on jobs. Craig Fryhle maintains an e-roster of members and sends emails on our behalf as needed.

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I hope I was able to demonstrate how the Executive Committee puts the mission, vision and goals into practice and how our budget is aligned with our goals. I didn't attempt to list all the activities in this article. Rather, I wanted to give you a flavor of what we do.

While we are proud of the current activities that support students, teachers and general members, we still want to do more. In 2018, I plan to chair a new Senior Chemists Committee and am looking to develop a program for that sector of our community. I also want to work with ACS members in industry to learn about their needs. My goal is to help develop a program for our industrial members by the end of 2018.

Do you have an activity you want to suggest? Would you like to plan something in your area and/or work with us to coordinate an event? Do you work in industry and do you want to connect with us? Please let us know. We would love to work with you. For comments about this article and suggestions for possible future events, please email me at [strongdespina@gmail.com](mailto:strongdespina@gmail.com).

# News Briefs

## Senior Chemists Lunch Meeting

November 10<sup>th</sup>, 2017 from noon to 2pm at the Snappy Dragon.

RSVP by November 1<sup>st</sup>, 2017 to [strongdespina@gmail.com](mailto:strongdespina@gmail.com)



### ACS Puget Sound Senior Chemists Lunch Meeting



You are cordially invited to the inaugural meeting of the  
Senior (Age 50+) Chemists Committee of the  
Puget Sound Section

Come meet old friends, make new friends and hear about plans  
to develop a program dedicated to Senior Chemists

**Friday, November 10, 2017**  
**12:00 pm – 2:00 pm**

Snappy Dragon  
89176 Roosevelt Way NE, Seattle, WA 98115

Cost: \$7 for member or guest

RSVP by November 1<sup>st</sup>: [strongdespina@gmail.com](mailto:strongdespina@gmail.com)

**Sponsored by the ACS Puget Sound Section**

# News Briefs

## **2017 Elections: ACS Puget Sound Section Executive Officers**

**The ballots were sent out electronically (and a few via snail mail) on October 17<sup>th</sup>, 2017. E-balloting closes at the end of the day on November 10<sup>th</sup>, 2017.**

### **Nominations and Elections Timeline**

Call for nominations	June 1 <sup>st</sup> – September 30 <sup>th</sup>
Voting (mail and online)	October 17 <sup>th</sup> – November 10 <sup>th</sup>
Election Validated	By November 13 <sup>th</sup>

### **Nominating Committee**

Sheri Tonn, Nominating Committee Chair  
Nadine Gruhn  
Greg Milligan  
Despina Strong  
Jonathan Clark

### **Nominations or questions?**

Please direct any questions about the various roles or the election process via email to:  
[elections@pugetsound.sites.acs.org](mailto:elections@pugetsound.sites.acs.org)

# News Briefs

## UW Women in Chemical Engineering - Career Panel Event

The University of Washington's [Women in Chemical Engineering](#) group has a career panel event scheduled for November 9<sup>th</sup>, 2017 starting at 5:00pm.

**WChE**  
WOMEN IN CHEMICAL  
ENGINEERING PRESENTS THE  
*2nd Annual Fall  
Industry Panel*

**11.09.2017**  
MoES Building Lobby  
Check in begins at 4:30 pm  
Event begins at 5:00 pm  
Networking Happy Hour to follow

Register at <https://goo.gl/Vo4Gfu>

Featuring 20 panelists, representing over 15 different companies in various industries. Come hear from our position-focused panels:

- Process Engineering - R&D - Data Science - Start-up - Consulting - Sales

Followed by special interests panels:

- Diversity - PhD to Industry - Alternative Energy - Biotech/Pharma - Fortune 500

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# 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!



## 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

## Resume Event Report

Dear YCC,

The resume event at UW on Oct 24 was a success: 24 students from three departments and 10 volunteers representing industry, government, and academia. Many of the volunteers are regularly involved in the hiring process and were able to give students great advice. Thanks also to the UW Career Center for providing handouts on resume building and the UW Materials Research Society for helping to coordinate the event.

If your student organization or department is interested in hosting a resume critiquing event, please let me know ([aliciaataylor@gmail.com](mailto:aliciaataylor@gmail.com)).

We'll be planning additional YCC events for 2018!

Thank you,  
Alicia Taylor  
Alternate Councilor & YCC Chair



# Mark Your Calendar

## 2018 Career Event

Please register by January 15<sup>th</sup>, 2018.

[Register Here](#)

**American Chemical Society- Puget Sound Section**

presents an informative afternoon on

**“Careers in Chemistry for Undergraduates”**

**January 31<sup>st</sup> 2018, 1-5 PM**

**City of Tacoma**

**Center for Urban Waters Research Lab**

326 East D Street, Tacoma, WA 98421

[www.urbanwaters.org](http://www.urbanwaters.org)

**Keynote Speaker**

**Dr. Edward P. Kolodziej**

Associate Professor, Interdisciplinary Arts and Sciences (UW Tacoma) & Civil & Environmental Engineering (UW Seattle) and Center for Urban Waters

**This event includes lab tours, a career panel discussion & the keynote speaker.**

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

**Please Register by January 15, 2018**

Registration information is available at

<https://goo.gl/forms/fI9RTDMhelEBSKNn1>

For more information: [bopegedd@evergreen.edu](mailto:bopegedd@evergreen.edu)



# Recent Events

## National Chemistry Week

On October 26 and 27, Skagit Valley College collaborated with LaVenture Middle School (Mount Vernon) to celebrate National Chemistry Week. Skagit Valley College brought over 30 student volunteers to the middle school to work with five teachers in 23 classrooms, reaching nearly 700 6th - 8th grade students. The middle school students performed two crystal-growing experiments from this year's National Chemistry Week booklet. During the down-time, Skagit



Valley College students chatted informally with the middle school students about college life as careers in STEM. The event was visited by LaVenture and Skagit Valley College administrators, representatives from the Mount Vernon District Office, journalists from Skagit Valley Herald, the Public Information Officer from Skagit Valley College, and members of the Skagit County community.



This event marks the second large-scale NCW collaboration between the chemistry department at Skagit Valley College (Dr. Roxi Hulet Smith) and science department at LaVenture Middle School (Ms. Erin Duez). The two schools also collaborate in the winter, when

Skagit Valley College faculty and students serve as judges for the LaVenture Middle School science fair, and again in the spring when Skagit Valley College welcomes LaVenture students to the chemistry labs.

LaVenture Middle School serves a diverse population representative of Skagit County. It is the district's dual-language middle school, teaching classes in both English and Spanish. Approximately 70% of the students are Hispanic / Latino, approximately 20% are children of migrant families, and approximately 75% are low income.

\*Photo credits: Charles Biles / Skagit Valley Herald

[Pictures here](#)



# Careers

## Job Openings

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

### [Director, Environmental Health Laboratory \(University of Washington, Department of Environmental and Occupational Health Sciences\)](#)

Deadlines: Open until filled

Location: Seattle, WA

ACS PSS Posting Date: 09/30/2017

Brief Description: The EH Laboratory Director is a senior scientist housed in the UW Department of Environmental and Occupational Health Sciences. The position's overall responsibilities include directing a complex service provider (Environmental Health Laboratory) and research resource (Trace Organics Analysis Center). The Environmental Health Laboratory, funded through a Washington state appropriation to DEOHS, provides essential analytical support to Washington state employers, employees, government agencies, and the general public. The Environmental Health Laboratory is currently accredited by the American Industrial Hygiene Association Laboratory Accreditation Program. The Trace Organics Analysis Center is a valuable research resource serving UW faculty, principal investigators and external researchers with complex methods development and implementation, chemical analyses, and integration into competitive federal and private grant submissions and awards. The Director's skills in analytical chemistry as applied to environmental and occupational health sciences is highly sought after in various UW departments and centers. The Director must be able to navigate very complex scientific questions from many perspectives ranging from the big picture scientific approaches to the day-to-day detail of laboratory operations (overseeing quality control, sustaining equipment through acquisitions and repairs, overseeing accreditation, and advising on finances, and managing scientific staff). Working in a higher education setting, the Director is also responsible for mentoring undergraduate and graduate students, as well as individuals pursuing post-doctoral education and junior faculty newly entering the field of environmental and occupational health sciences. Go to the following site to apply: [Job posting and application site](#).

View PDF of Job Posting: N/A

# Careers

## Job Openings

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

### Full Time Temporary Chemistry Assistant Professor (Centralia College)

Deadlines: See job posting

Location: Centralia, WA

ACS PSS Posting Date: 09/30/2017

Brief Description: Centralia College is currently accepting applications for a Full time Temporary Chemistry Assistant Professor. Primary teaching assignment will be Allied Health chemistry (Chem 121).

Apply online at <https://centralia.peopleadmin.com/> . For more information, you may contact Karen Goodwin at [karen.goodwin@centralia.edu](mailto:karen.goodwin@centralia.edu)

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

<b>ACS Puget Sound - Executive Committee</b>	
<b>Chair</b>	Karen Goodwin
<b>Chair Elect</b>	Leonard J. Andrews
<b>Past Chair</b>	Sheri Tonn
<b>Secretary</b>	Alex Stambor
<b>Treasurer</b>	Arwyn Smalley
<b>Newsletter Editor</b>	Jonathan Clark
<b>Councilor - Position 1 (2017)</b>	Mark Wicholas
<b>Councilor - Position 2 (2018)</b>	Gregory Milligan
<b>Councilor - Position 3 (2019)</b>	Craig Fryhle
<b>Councilor - Position 4 (2017)</b>	Gary Christian
<b>Councilor - Position 5 (2018)</b>	Despina Strong
<b>Alternate Councilor - Position 1 (2017)</b>	Gwen Gross
<b>Alternate Councilor - Position 2 (2018)</b>	Amar Yahiaoui
<b>Alternate Councilor - Position 3 (2019)</b>	Alicia Taylor
<b>Alternate Councilor - Position 4 (2017)</b>	Dharshi Bopegedera
<b>Alternate Councilor - Position 5 (2018)</b>	Vacant

<b>Other Outstanding Volunteers</b>	
<b>Awards Committee Chair</b>	Carole Berg
<b>Career Event Committee Chair</b>	Dharshi Bopegedera
<b>Communications Committee Chair</b>	TBA
<b>Earth Day Committee Chair</b>	Karen Goodwin
<b>Education Committee Chair</b>	Despina Strong
<b>Finance Committee Chair</b>	David Munch
<b>Hospitality Committee Chair</b>	Carole Berg
<b>Linus Pauling Award Committee Chair</b>	Charity Lovitt (For 2018 Pauling)
<b>Long Range Planning Committee Chair</b>	Sheri Tonn
<b>National Chemistry Week Committee Chair</b>	Roxanne Hulet
<b>Nominating Committee Chair</b>	Sheri Tonn
<b>Program Committee Co-Chairs</b>	Alicia Taylor and Leonard Andrews
<b>Public Relations Committee Chair</b>	TBA
<b>Senior Chemists Committee</b>	Despina Strong
<b>Safety Committee</b>	TBA
<b>Sustainability Committee Chair</b>	Charity Lovitt
<b>Undergraduate Symposium Committee Chair</b>	Charity Lovitt
<b>Webmaster</b>	Jonathan Clark
<b>Women Chemists Committee Chair</b>	Despina Strong
<b>Younger Chemists Committee Chair</b>	Alicia Taylor



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