

# THE CHEMIST

## Pauling Award Symposium!

*The Puget Sound Chemist*

Volume 76 No. 12 - December 2015



2015 Pauling Award Symposium (Dec 5<sup>th</sup>)

Election Results

Holiday Dessert Party (Dec 19<sup>th</sup>)



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)

### End of Year Wrap Up and Preparations for 2016

We're busy planning events for 2016, such as the Career Event on Feb 17<sup>th</sup>, 2016 and the Undergraduate Research Symposium, set for April 23<sup>rd</sup>, 2016.

As we are planning these and other events for 2016, we are also wrapping up the events for 2015. The elections have concluded. The results are posted on [page 4](#) and on our website's [homepage](#).

The 2015 Pauling Awards Ceremony will be December 5<sup>th</sup>, 2015 at the Linus Pauling Science Center at Oregon State University in Corvallis, OR (2900 SW Campus Way - Corvallis, OR 97331). Further details regarding the Symposium and Banquet for the 2015 Pauling Awards Ceremony are on [page 5](#) and [online](#).

There will be a holiday party the evening of December 19<sup>th</sup>, 2015. Details are on both [page 6](#) and [online](#).

We have launched a [new calendar](#) on our website. It is easier to use. Check it out and tell us what you think!

Cheers!



*Jonathan Clark*

Newsletter Editor

# Contents

- 1 [From the Editor](#)
- 2 [Contents](#)
- 3 [Calendar](#)
- 4 [News Briefs](#)
- 7 [Science Cafés](#)
- 9 [Younger Chemists Committee](#)
- 10 [Mark Your Calendar](#)
- 11 [Careers](#)
- 14 [ACS Resources](#)
- 15 [Roster](#)



# Calendar – December 2015

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

## **1 December 2015 - Queen Anne Science Café**

Time: 7:00pm

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

## **14 December 2015 – 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>

## **8 December 2015 - Olympia Science Café**

Time: 7:00pm

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

## **8 December 2015 - Tacoma Science Café**

Time: 6:30pm

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

## **15 December November 2015 - Eastside Science Café**

Time: 7:00pm

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

## **19 December 2015 – Holiday Party**

Time: 7:30pm

Location: Carole and Russ Berg's home - 14017 SE 139th St. Renton, WA 98059

***Puget Sound Section***



# News Briefs

## Election Results (2016 Offices)

The election results are in!

Position	Candidate	Paper	Online	Totals	Elected Person - Position
<b>Chair-Elect</b>	Karen Goodwin	12	156	168	Karen Goodwin - Chair Elect
	No Write Ins Submitted				
<b>Secretary</b>	Maleah Huggins	8	101	109	Maleah Huggins - Secretary
	Benjamin Titus	4	53	57	
	No Write Ins Submitted				
<b>Treasurer</b>	Carole Berg	12	154	166	Carole Berg - Treasurer
	Write In - "Arwyn Smalley"		1	1	
<b>Councilor Pos 2</b>	Greg Milligan	12	151	163	Greg Milligan - Councilor Position 2
	Write In - "Nadine Gruhn"		1	1	
<b>Alt Councilor Pos 2</b>	Amar Yahiaoui	12	151	163	Amar Yahiaoui - Alternate Councilor Position 2
	No Write Ins Submitted				
<b>Councilor Pos 5</b>	Despina Strong	12	153	165	Despina Strong - Councilor Position 5
	No Write Ins Submitted				
<b>Alt Councilor Pos 5</b>	Nadine Gruhn	5	80	85	Nadine Gruhn - Alternate Councilor Position 5
	David Patrick	7	76	83	

Totals	12	163	175	Total Number of Voters
			2000	Total PSS Membership
			9%	Voter Turn-Out

### Questions and Comments

Please email your questions and comments to:

Sheri Tonn

2015 Chair Elect, Puget Sound ACS

[elections@pugetsound.sites.acs.org](mailto:elections@pugetsound.sites.acs.org)

## Pauling Award 2015 – Barry M. Trost

Symposium and Banquet Details: <http://chemistry.oregonstate.edu/2015LinusPaulingMedal>

### Symposium:

December 5, 2015 - Time: 1:00-5:00pm

Location: Student Street, Linus Pauling Science Center - Oregon State University in Corvallis, OR.  
(2900 SW Campus Way - Corvallis, OR 97331)

The symposium, sponsored by these ACS sections and hosted by the Oregon Section and Oregon State University, is free and open to the public (no registration required).

### Banquet/Reception & Research Poster Session:

December 5, 2015 - Time: 5:00-6:00pm Poster Session, 6:00-11:00pm Banquet/Reception

Location: Student Street, Linus Pauling Science Center - Oregon State University in Corvallis, OR.  
(2900 SW Campus Way - Corvallis, OR 97331)

The Award Banquet requires semi-formal/business-informal attire, registration and the purchase of a banquet ticket. **The deadline for registration is TBA.**

Non-student banquet tickets are \$30 each. Student banquet tickets are \$15 each.

**Register Here\*** (<http://chemistry.oregonstate.edu/2015LinusPaulingMedal>)

Presented by the Oregon Section this year, the Pauling Award is being awarded to Barry M. Trost.



Barry M. Trost, the Tamaki Professor of Humanities and Sciences at Stanford University, is the recipient of the 2015 Linus Pauling Medal. This annual award is given jointly by the ACS Portland, Puget Sound, and Oregon Sections in recognition of outstanding contributions to chemistry in the spirit of Linus Pauling, a native of the Pacific Northwest.

Trost is a pioneer in organic chemistry whose work on palladium-catalyzed substitution reactions blazed new pathways to complex molecules with applications in medicine and biology. Notably, the Tsuji-Trost reaction and the Trost ligand are named after him. Trost is also known for advancing the concept of atom economy and the use of transition metal-catalysts for orchestrating complex molecule formation in a chemically economical fashion.



# News Briefs

## Holiday Dessert Party



You are cordially Invited to the  
Puget Sound ACS

### Holiday Dessert Party

Saturday, December 19<sup>th</sup>, 2015, 7:30 pm

14017 SE 139<sup>th</sup> St. Renton, WA 98059

Come to meet your Chemistry friends!!!!!!!!!!!!!!

Puzzles, music and mulled wine

RSVP: [cberg@bellevuecollege.edu](mailto:cberg@bellevuecollege.edu)

or phone: 425-226-0690

## PACIFICHEM 2015

Chemical Networking: Building Bridges Across the Pacific

Pacificchem 2015 will be held in Honolulu, Hawaii from December 15<sup>th</sup>-20<sup>th</sup>, 2015.

Find more info on the website at: <http://www.pacificchem.org/>

## Website upgrades

We've switched the [calendar](#) on the website to a new format.

Check it out and send us some feedback ([info@pugetsound.sites.acs.org](mailto:info@pugetsound.sites.acs.org)).

# Science Cafés

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

## Queen Anne Science Café

**"Seafood 101: How Ecosystem Science Informs U.S. Fishery Management"**

**Tuesday, 1 December, 2015 - 7:00pm - [T.S. McHugh's](#)**

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

Kirstin Holsman, NOAA Fisheries Alaska Fisheries Science Center

Seafood such as fish and shrimp form an important (and tasty) part of people's diets around the world. However, ocean seafood populations are tough to predict and manage, therefore fisheries scientists study populations of these marine animals to try to ensure that we have seafood in the future. Learn about cutting edge tools in fisheries management and how they have worked in the Bering Sea in Alaska, where over 40% of U.S. seafood is caught each year and now serves as a national example for sustainable seafood management for future generations.

## Olympia Science Café

**"Science Fraud: Problems and Solutions"**

**Tuesday, 8 December, 2015 7:00pm - [Orca Books](#)**

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

Humanity is facing major challenges that will require scientific solutions. However there are recent signs that not all is well with the scientific enterprise. Growing numbers of scientific papers are being retracted, and the reproducibility of research findings is increasingly questioned. A few high-profile cases of research misconduct threaten to erode public confidence in science. Repairing the scientific enterprise will require a renewed societal investment and a return to the basic values of rigor, reproducibility and responsibility.

About the Speaker:

Ferric C. Fang, M.D. is a Professor of Laboratory Medicine and Microbiology at the University of Washington School of Medicine, where he directs the Clinical Microbiology Laboratory at Harborview Medical Center and performs basic research on bacterial pathogenesis. He has written more than 180 peer-reviewed articles and currently serves as the Editor-in-Chief of the journal Infection and Immunity. In collaboration with his colleague Arturo Casadevall, Prof. Fang has authored a series of articles on the nature of the contemporary scientific enterprise and opportunities for reform.



# Science Cafés

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

## Tacoma Science Café

### "Epic Math Battles"

Tuesday, 8 December, 2015 - 6:30pm - [Swiss Restaurant & Pub](#)

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

Dr. Jenny Quinn, Ph.D., University of Washington, Tacoma

Positive sums count. Alternating sums match. So which is “easier” to consider mathematically? One part performance art and two parts combinatorics, this talk is a tongue-in-cheek combinatorial competition that interpret summation identities through concrete counting contexts. By paying attention to what is being counted and what is being matched, audience members will decide which technique is mathematically superior.

## Eastside Science Café

### "Cultivating Healthful Microbiota: Current Research and Dietary Perspectives"

Tuesday, 15 December, 2015 - 7:00pm - [Wilde Rover](#)

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

Dr. Alexandra Kazaks

We are filled with millions of organisms in our body, many of which are found in our stomach. Here’s the catch: we don’t have all the same organisms. How do we cultivate healthy microbiota when each profile differs among individuals? Learn how diet can feed a healthy, robust gut microbial community. Discuss the science behind prebiotics, synbiotics, and the practical ways to enhance any diet to promote a personal gut microbiota profile that positively influences health.

## 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 Info

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

Check out our [webpage](#)

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



# Mark Your Calendar

## 2016 Career Event

The Puget Sound Section of the American Chemical Society

presents

### **“Careers in Chemistry”**

February 17th, 2016 1-5 PM

Brightwater Center – (22505 State Route 9 SE, Woodinville, WA 98072, 206-263-9412)

<http://www.kingcounty.gov/services/environment/brightwater-center.aspx>

Key note speaker: Pam Elardo will speak on Careers in Clean Water

Pam Elardo is the director of the King County Wastewater Treatment Division, one of the largest public wastewater utilities on the U.S. west coast. She is also president of the Living Earth Institute, a non-profit organization which works at the grass-roots level with communities in the developing world to implement sustainable sanitation and water resource technologies.

Recommended for all undergraduate science students.

Free admission and open to all.

Space is limited. Please register by February 12th to participate in this event.

Registration information is available at: <http://pugetsound.sites.acs.org/>

For more information: [bopegedd@evergreen.edu](mailto:bopegedd@evergreen.edu) or (360) 867-6620

## 2016 Undergraduate Research Symposium

The 2016 ACS Puget Sound Section Undergraduate Research Symposium will be hosted by Central Washington University on April 23, 2016. Further information about abstracts and registration will be forthcoming on the [web page](#).

## Job Openings

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

### [Titration and Spectroscopy Sales Representative \(Metrohm USA\)](#)

Deadlines: None

Location: WA

ACS PSS Posting Date: 07/31/2015

Brief Description: It's an exciting time at Metrohm USA! We are the North American division of world-renown Metrohm AG (Herisau, Switzerland), an industry leader in laboratory instruments and accessories for analytical testing/research. We are looking for a Titration and Spectroscopy Sales Representative to join our field-based Sales Team in the Pacific Northwest. It's your chance to be a part of a dynamic team and make an immediate impact! Our innovative, high quality products are found in laboratories of all kinds-academic, industrial, research, quality control, processing, manufacturing and scale-up and all over the world, although our efforts concentrate on North America. As part of a global entity and rapidly growing organization you will be part of a progressive and high-energy team, focused on bringing quality products to market and excelling in quality customer service. We provide a professional, dynamic environment and offer competitive salaries with an excellent benefits package.

View PDF of Job Posting: N/A

### [Part-Time Instructor Pool - Chemistry \(Edmonds Community College\)](#)

Deadlines: None

Location: Lynnwood, WA

ACS PSS Posting Date: 07/31/2015

Brief Description: Edmonds Community College is looking to staff two sections of Chem 121 (GOB) in the fall, and may also have a hybridized section of second quarter General Chemistry (Chem 162) available.

The days/times are listed below:

- 1) Chem 121 (GOB) 7:30AM-9:20 MW, with labs on T,Th from 7:30AM-9:20
- 2) Chem 121 (GOB) 2:50PM-4:30 TTh, with labs on T,Th from 4:40-6:20
- 3) May also be available: Chem 162 (2nd quarter gen chem) 9:30AM-11:20 MW, with labs on Tues 8:30-11:20 and 12:30-3:20

To complete the online application form, please click the link above, then click on "apply" in the upper right corner.

View PDF of Job Posting: N/A

## Job Openings

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

### [Part Time Chemistry Instructors \(Green River College\)](#)

Deadlines: None

Location: Auburn, WA

ACS PSS Posting Date: 05/29/2015

Brief Description: Green River Community College is looking for part-time Chemistry instructors for fall quarter and beyond.

View PDF of Job Posting: N/A

### [Chemistry Lecturers \(Central Washington University\)](#)

Deadlines: None

Location: Ellensburg, WA

ACS PSS Posting Date: 04/30/2015

Brief Description: The Department of Chemistry at Central Washington University anticipates three (3) full-time lecturer openings for the 2015-16 academic year, with one including teaching in analytical and environmental chemistry. All positions will teach introductory and/or general chemistry. The department is also accepting applications to fill current and future full-time, part-time and annual lecturer positions to teach introductory chemistry and others as needed. Please apply online at <http://jobs.cwu.edu/postings/9391>. Applications will be accepted continually. CWU is an AA/EEO/Title IV/Section 503/VEVRAA institution

View PDF of Job Posting: N/A



# Careers

## Internships

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

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

## ACS Job and Career Resources

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>

# ACS Resources

## Online Resources for all ACS members

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

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

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

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

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

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

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

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

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

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

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

National Chemistry Olympiads -

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

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

SCI Scholars Internships -

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

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

Get Involved - [www.acs.org/getinvolved](http://www.acs.org/getinvolved)

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

## Online Resources for the Puget Sound Section!

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

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

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

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

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

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

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

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

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

# Roster

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

<b>Other Outstanding Volunteers</b>	
Awards Committee Chair	Carole Berg
Career Day Committee Chair	Dharshi Bopegedera
Communications Director	Nick Milanovich
Earth Day Committee Chair	Karen Goodwin
Education Committee Chair	Despina Strong
Finance Committee Chair	David Munch
Hospitality Committee Chair	Carole Berg
Linus Pauling Award Committee Chair	N/A for 2015
Long Range Planning Committee Chair	Despina Strong
National Chemistry Week Committee Chair	Roxanne Hulet
Nominating Committee Chair	Despina Strong
Public Relations Committee Chair	Nick Milanovich
Safety Committee	Richard Van Doren
Sustainability Committee Chair	Charity Lovitt
Undergraduate Symposium Committee Chair	Neal Yakelis
Webmaster	Jonathan Clark
Women Chemists Committee Chair	Sarah Vorpahl
Younger Chemists Committee Chair	Jonathan Clark





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