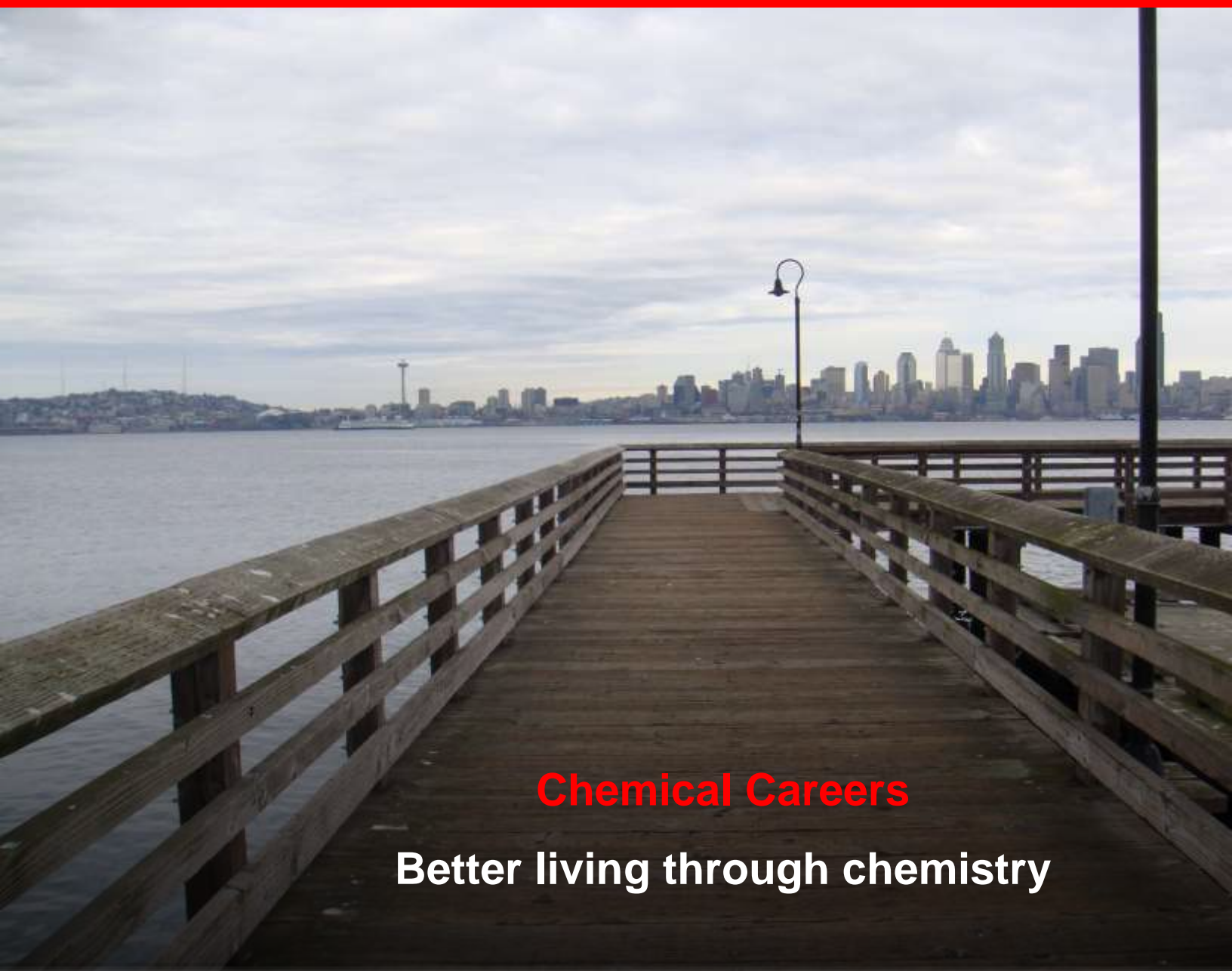


# THE CHEMIST

Chemistry in Careers

*The Puget Sound Chemist*

Volume 77 No. 2 - February 2016



**Chemical Careers**

**Better living through chemistry**



**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)

### Chemistry Careers

The events of February 2016 are small in number, but they include some of our more important events.

Career Day 2016 will be at the Brightwater center in Woodinville, WA on Wednesday, February 17<sup>th</sup>. Please [register online](#) by **February 12<sup>th</sup>**.

The joint ACS/AWIS Event: Geological Events in the PNW will be on February 16<sup>th</sup>. See details in the [Science Cafés](#) section.

Applications for the 2-year and 4-year college scholarships are due **March 1<sup>st</sup>, 2016**. Please apply! Check out the [scholarships webpage](#) for details and application forms.

There are a large number of job postings for academic positions in the careers section on [page 12](#). They are also listed on our [website](#).

Cheers!



*Jonathan Clark*

Newsletter Editor

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# Calendar – February 2016

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

## **8 February 2016 – 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>

## **9 February 2016 - Tacoma Science Café**

Time: 6:30pm

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

## **9 February 2016 – Olympia Science Café**

Time: 7:00pm

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

## **16 February 2016 – Joint ACS/AWIS Event: Geological Events in the PNW**

Time: 6:00pm

Location: The Fred Hutchinson Cancer Research Center - 1100 Fairview Ave. N., Seattle, WA 98109

## **16 February 2016 - Eastside Science Café**

Time: 7:00pm

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

## **17 February 2016 – Career Day 2016**

Time: 1:00pm – 5:00pm

Location: Brightwater Center - 22505 State Route 9 SE, Woodinville, WA 98072

# **Puget Sound Section**

# News Briefs

## 2016 Career Event

The Puget Sound Section of the American Chemical Society

presents:

## **“Careers in Chemistry”**

February 17th, 2016 from 1:00 PM – 5:00 PM

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

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

American Chemical Society  
Puget Sound Section  
*presents*  
“Careers in Chemistry”  
February 17<sup>th</sup>, 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 12<sup>th</sup> 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

### 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.

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

**Register Here:** <http://pugetsound.sites.acs.org/careereventregistration.htm>

**Registration Closes February 12<sup>th</sup>, 2016**

# News Briefs

## Website Upgrades

I've been developing improvements for the layout and content of the website. If you have any suggestions for info that you want more readily available, please send me a quick email at [info@pugetsound.sites.acs.org](mailto:info@pugetsound.sites.acs.org).

– Jonathan Clark (Webmaster)



[www.pugetsound.sites.acs.org](http://www.pugetsound.sites.acs.org)

## Seeking Assistant Newsletter Editor / Website Developer

I have been greatly enjoying the development of the newsletter and website. It has given me a number of opportunities to craft elegant documents and communicate relevant info. The volume of this content has been steadily growing and it has reached the point where I could use a second hand in managing the info flow. I'd like to get someone else involved. If you are interested, computer savvy and a current full ACS member, please email me at: [webmaster@pugetsound.sites.acs.org](mailto:webmaster@pugetsound.sites.acs.org)

- Jonathan Clark

Webmaster / Newsletter Editor

Puget Sound Section

American Chemical Society

## Scholarships Available!

The Puget Sound Section of the American Chemical Society is very pleased to be able to give scholarships to a number of worthy college students every year!

The application forms are available on the website:

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

**Application Deadline: March 1st, 2016**

# Science Cafés

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

## Tacoma Science Café

**"Into The Stratosphere: Exploring Cutting-Edge Research In Atmospheric Sciences"**

**Tuesday, 9 February, 2016 - 6:30pm - [Swiss Restaurant & Pub](#)**

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

Jasna Pittman, Ph.D., Harvard University and Northwest Research Associates

Human activities alter the chemical composition of Earth's atmosphere. These emissions can go around the globe in a matter of days and eventually enter the stratosphere where they can reside for years. This high-altitude region of the atmosphere contains the ozone layer, our guardian against damaging UV rays, a guardian that has weakened due to human-produced chemicals. Explore state-of-the-art research that aims to measuring molecules at one-in-a-billion levels at 60,000 feet using high-altitude aircraft in order to gain a better understanding at how the Earth system is responding to human-induced changes.

## Eastside Science Café

**"The Story Of CRISPR"**

**Tuesday, 16 February, 2016 - 7:00pm - [Wilde Rover](#)**

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

Lauren Saunders, University of Washington, Molecular and Cellular Biology

Gene editing technologies have been around for over a decade, but in the past five years, scientists have discovered a new gene editing tool in a perhaps unexpected place: the bacterial immune system. This new molecular toolkit, referred to as CRISPR, has revolutionized biological research because it allows scientists to precisely and inexpensively edit the genetic code of animal and plant cells. While this new technique has already accelerated research discoveries, we still have a lot to learn about how CRISPR can shape the future of research and medicine. Explore how CRISPR works, what it means for research and where we are in the conversation about the ethics around using it to edit the human genome.

## 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>

# Science Cafés

► This Science Café is free and are open to all ages. ◀

## Olympia Science Café

**"Pragmatic trials: Re-envisioning medical research to meet the need for high quality evidence"**

**Tuesday, 9 February, 2016 - 7:00pm – [Orca Books](#)**

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

Randomized double-blind trials are the gold standard for determining causation and treatment efficacy in health research. Ideally, all questions with the potential to substantially impact public health would be informed by such high quality evidence, but this is impractical. Is there a way to address this? Randomized clinical trials, as traditionally implemented are expensive, time-consuming and often logistically challenging. New approaches to designing and implementing clinical trials are needed to improve the generalizability and reduce the cost and the delays in getting these important answers. In this talk, I will discuss some of motivation and elements of so-called pragmatic trials, some potential designs, associated assumptions and barriers.

About the Speaker:

Dr. Garnet Anderson, is Senior Vice President and Director of the Public Health Sciences Division of Fred Hutchinson Cancer Research Center. Dr. Anderson received her Ph.D. in biostatistics from the University of Washington in 1989 and has been on the Public Health Sciences faculty in both the Biostatistics and the Cancer Prevention Programs since that time. Her primary interests are in the design and analysis of randomized trials, women's health and chronic disease prevention. She is best known for her work with Dr. Ross Prentice in the Women's Health Initiative (WHI) where she is currently the Principal Investigator of the WHI Clinical Coordinating Center. Dr. Anderson played a major role in the design, monitoring and analysis of the WHI clinical trials and was the lead statistician for the WHI hormone therapy trials. Dr. Anderson is also the Associate Director for Cancer Control and Prevention of the SWOG (Southwest Oncology Group) Statistical Center (Dr. Michael LeBlanc, PI) and an Affiliate Professor in the Department of Biostatistics at the University of Washington. She has served as statistician for the SWOG Gynecology Committee and a member of NCI's Steering Committee for gynecological cancers. Dr. Anderson has held leadership roles in other multicenter groups including as Project Director and Biostatistics Core leader in the NCI-funded Pacific Ovarian Cancer Research Consortium SPORE (Dr. Nicole Urban, PI) and a Principal Investigator (with Dr. Andrea LaCroix) of the data coordinating center for an NIA-funded clinical trials network to study alternatives therapies for menopausal symptoms (MsFLASH). [Continued on next page.]



# Science Cafés

► This Science Café is free and are open to all ages. ◀

## Olympia Science Café (Continued)

About the Speaker: [*Continued*]

She is also Principal Investigator for the WHI Cancer Survivor Cohort (joint with Drs. Bette Caan and Electra Paskett). Dr. Anderson is also part of a scientific leadership team (with Drs. JoAnn Manson, MD, DrPH, and Howard Sesso, ScD, of Harvard and Brigham and Women's Hospital in Boston) conducting a five-year, large-scale randomized controlled trial (The COcoa Supplement and Multivitamins Outcomes Study - COSMOS) to test the effect of a concentrated cocoa extract and multivitamin supplements in reducing risks of CVD and cancer. Dr. Anderson has authored over 160 articles and book chapters and has served on numerous national and international panels and review groups.

## AWIS (Association for Women in Science)

"Geological Events in the PNW - cosponsored with ACS Puget Sound"

Wednesday, 16 March, 2016 - 6:00pm – [Fred Hutchinson Cancer Research Center](#)

- The Fred Hutchinson Cancer Research Center is located at 1100 Fairview Ave. N., Seattle, WA 98109.

Location Detail:

Pelton Auditorium at the Fred Hutchinson Cancer Research Center.

Schedule:

6:00pm – 6:30pm – Networking and Refreshments

6:30pm – 7:30pm – Introductions and Presentation

7:30pm – 8:00pm – Networking.

Website Info:

<http://seattleawis.org/awis-events/>

# 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 revamped [webpage!](#)

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



# Mark Your Calendar

## 2016 Undergraduate Research Symposium

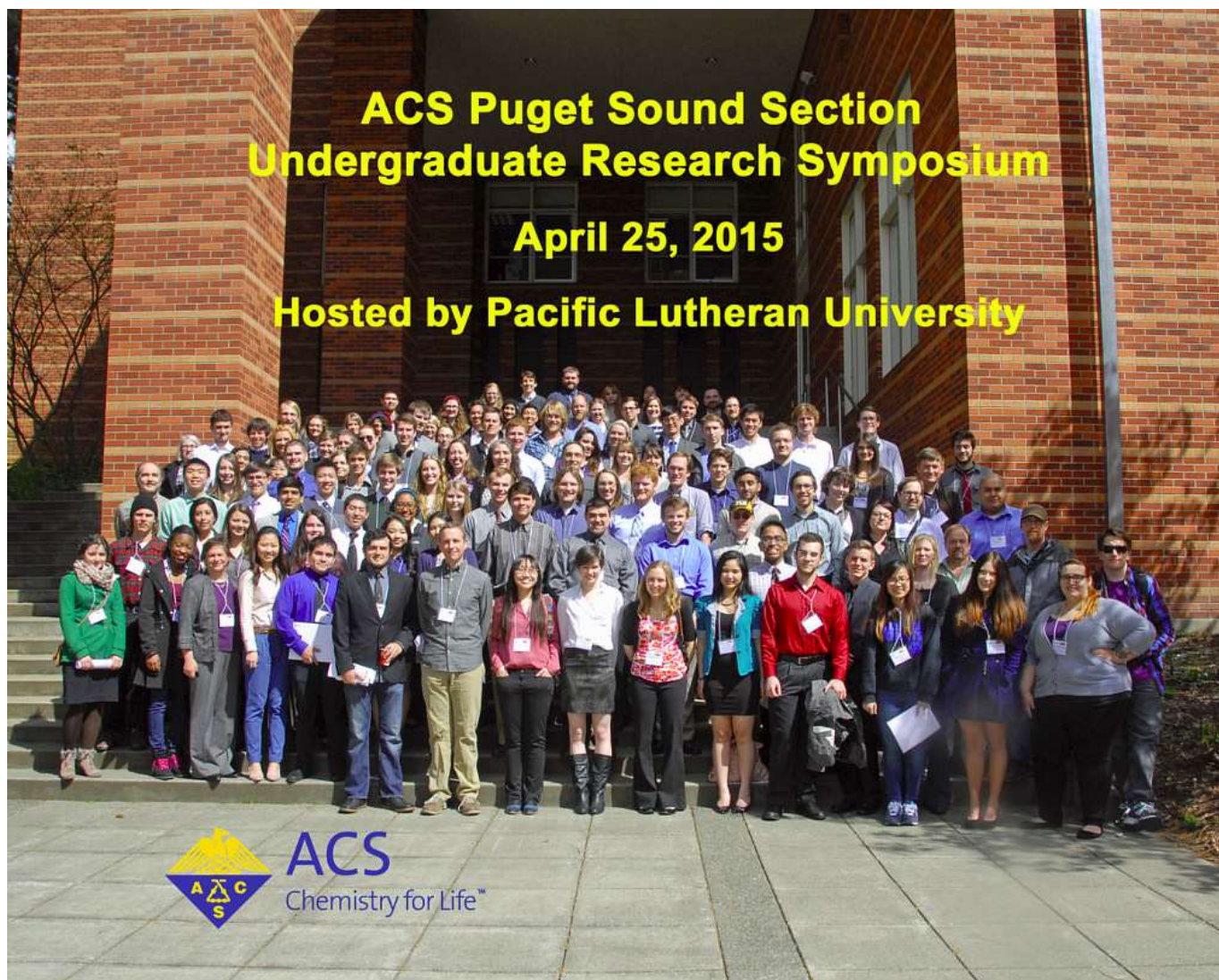
The 2016 ACS Puget Sound Section Undergraduate Research Symposium will be hosted by Central Washington University on April 23, 2016. Further information will be forthcoming on the [web page](#).

**Abstract Deadline: April 1<sup>st</sup>, 2016**

**Registration Deadline: April 8<sup>th</sup>, 2016**

The abstract submission and online registration forms will be available by February 10<sup>th</sup> on the webpage:

<http://pugetsound.sites.acs.org/pssugressymp.htm>



# Mark Your Calendar

## Northwest Regional Meeting 2016

Award Nominations are Open for the 2016 Northwest Regional Meeting!

**Nomination Deadline is April 1, 2016**

- Stanley C. Israel Regional Award for Advancing Diversity in the Chemical Sciences

The Stanley C. Israel Regional Award recognizes individuals and/or institutions that have advanced diversity in the chemical sciences and significantly stimulated or fostered activities that promote inclusiveness within the region. For more information on this award, visit our [website](#).

[Online Application](#)

- Partners for Progress and Prosperity Award - Northwest Region P3 Award

The Partners for Progress and Prosperity Award recognizes partnerships among industry, academia, government, small businesses and/or other organizations that result in impactful incomes.

[Nomination Forms](#)

- E. Ann Nalley Northwest Region Award - Volunteer Service to the American Chemical Society

This award was instituted in 2006 by ACS President E. Ann Nalley as part of her presidential initiative to recognize ACS volunteerism. It was Dr. Nalley's wish that the award continue in perpetuity at each regional meeting.

[Nomination Forms](#)

- ACS Division of Chemical Education (CHED) Glenn and Jane Crosby Northwest Region Award for Excellence in High School Teaching

The purpose of this award is to recognize, encourage, and stimulate outstanding teachers of high school chemistry in the Northwest Region.

[Nomination Forms](#)

For more information please visit the NORM 2016 [website](#)!



# Careers

## Job Openings

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

### [Tenure Track Chemistry Instructor \(South Seattle College\)](#)

Deadlines: None

Location: Seattle, Washington

ACS PSS Posting Date: 02/01/2016

Brief Description: We are pleased to announce a full-time, tenure-track chemistry position at South Seattle College, set to start Fall quarter, 2016.

View PDF of Job Posting: N/A

### [Tenure Track Biology Instructor \(Tacoma Community College\)](#)

Deadlines: Priority Consideration 02/22/2016

Location: Tacoma, Washington

ACS PSS Posting Date: 02/01/2016

Brief Description: Tacoma Community College is currently accepting applications for a Tenure Track position in Biology. The priority consideration deadline is February 22, 2016. Further information can be found here: <http://www.tacomacc.edu/abouttcc/employment/facultyopenings/>

View PDF of Job Posting: N/A

### [Adjunct Chemistry Instructor \(Pierce College\)](#)

Deadlines: None

Location: Pierce College District, Washington

ACS PSS Posting Date: 02/01/2016

Brief Description: We are also looking for adjuncts for Spring 2016 to teach a Chem 121 and a Chem 100.

If you are interested, please apply at:

<http://agency.governmentjobs.com/piercedist/default.cfm?promotionaljobs=1>

View PDF of Job Posting: N/A

# Careers

## Job Openings

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

### [Tenure Track Chemistry Instructor \(Clark College\)](#)

Deadlines: 02/04/2016

Location: Vancouver, Washington

ACS PSS Posting Date: 02/01/2016

Brief Description: Clark College currently is accepting applications for a tenure-track position in chemistry (and also geology, physics and mathematics) in preparation for Fall 2016. The job descriptions can be found here: <http://www.clark.edu/clark-and-community/jobs-and-employment/jobs/index.php>

Contact Information: Nadine Fattaleh, Department of Chemistry, Clark College (Mailstop APH 203 - 1933 Fort Vancouver Way, Vancouver, WA 98663) 360-992-2491

View PDF of Job Posting: N/A

### [Tenure Track Chemistry Instructor \(Pierce College\)](#)

Deadlines: 02/08/2016

Location: Pierce College District, Washington

ACS PSS Posting Date: 01/31/2016

Brief Description: We are hiring a tenure track chemistry professor to start in Fall 2016. Information about the job can be found at

<http://agency.governmentjobs.com/piercedist/default.cfm?promotionaljobs=1>

View PDF of Job Posting: N/A

### [Tenure Track Chemistry Instructor \(Shoreline Community College\)](#)

Deadlines: 02/07/2016

Location: Shoreline, WA

ACS PSS Posting Date: 01/31/2016

Brief Description: Shoreline Community College has an opening for a tenure-track chemistry instructor to start Fall Quarter 2016. For details on the position please visit: <https://www.shoreline.edu/hr/>

View PDF of Job Posting: N/A

# Careers

## Job Openings

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

### [Mathematics Position \(Cascadia College\)](#)

Deadlines: 01/04/2016

Location: Bothell, WA

ACS PSS Posting Date: 01/01/2016

Brief Description: Cascadia College is currently seeking innovative, collaborative and dynamic individuals for the following positions: Full Time Tenure-Track Faculty - (English, Mathematics, Accounting/Business, Psychology)

View PDF of Job Posting: N/A

### [Tenure Track Chemistry Instructor \(Green River College\)](#)

Deadlines: None

Location: Auburn, WA

ACS PSS Posting Date: 01/01/2016

Brief Description: 'We have just opened a new position for a tenure track chemistry instructor. For details on the position, qualifications and application process, please visit:

<http://www.greenriver.edu/about-us/human-resources.htm> and click on 'Visit Our Current Career Opportunities'.

If you have additional questions, feel free to contact me at 'wlundquist@greenriver.edu'

Happy New Year!!

Wendy Lundquist, Chemistry Faculty

Green River College'

View PDF of Job Posting: N/A

# Careers

## 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



# Careers

## 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

## Internships

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

Ecology Youth Corps - <http://www.ecy.wa.gov/programs/swfa/ecy/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>	<b>Sheri Tonn</b>
<b>Chair Elect</b>	<b>Karen Goodwin</b>
<b>Past Chair</b>	<b>Cheryl Bick</b>
<b>Secretary</b>	<b>Maleah Huggins</b>
<b>Treasurer</b>	<b>Carole Berg</b>
<b>Newsletter Editor</b>	<b>Jonathan Clark</b>
<b>Councilor - Position 1 (2017)</b>	<b>Mark Wicholas</b>
<b>Councilor - Position 2 (2018)</b>	<b>Gregory Milligan</b>
<b>Councilor - Position 3 (2016)</b>	<b>Craig Fryhle</b>
<b>Councilor - Position 4 (2017)</b>	<b>Gary Christian</b>
<b>Councilor - Position 5 (2018)</b>	<b>Despina Strong</b>
<b>Alternate Councilor - Position 1 (2017)</b>	<b>Jennie Mayer</b>
<b>Alternate Councilor - Position 2 (2018)</b>	<b>Amar Yahiaoui</b>
<b>Alternate Councilor - Position 3 (2016)</b>	<b>Neal Yakelis</b>
<b>Alternate Councilor - Position 4 (2017)</b>	<b>Dharshi Bopegedera</b>
<b>Alternate Councilor - Position 5 (2018)</b>	<b>Nadine Gruhn</b>

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



ACS  
Chemistry for Life<sup>®</sup>