

THE CHEMIST

Pi Day Approaches

The Puget Sound Chemist

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251st ACS National Meeting: Mar 13th – 17th

ACS / AWIS event: Mar 16th

ACS PSS Scholarship Deadline: Mar 1st



ACS
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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

251st ACS National Meeting!

March is here. Roar. The Spring ACS National Meeting is Mar 13th – 17th! The national meetings are huge events. Get all the details [online](#).

The joint ACS/AWIS Event: (Rock and Roll: Research and Preparation for Seismic Events in the Pacific Northwest) will be on March 16th. See details in the [Science Cafés](#) section. **Correction:** Last month's newsletter incorrectly listed this AWIS event as being Feb 16th. It is actually occurring on **March** 16th. I apologize for any confusion this may have caused.

Applications for the ACS Puget Sound Section 2-year and 4-year college scholarships of \$1,500 (each) are due **March 1st, 2016**. If you haven't yet, please apply! Check out the [scholarships webpage](#) for details and application forms.

There are scholarships being offered by the PNCWA (Pacific Northwest Clean Water Association). See the [News Briefs](#) section for details.

Students interested in summer internship opportunities with King County should keep an eye on King County's [job board](#).

March 14th (Pi Day) falls on a Monday this year.

There are plenty of new job postings this month. Check out the [Careers](#) section. There are also a number of chemistry positions in community colleges in California or so I hear.

Cheers!



Jonathan Clark

Newsletter Editor

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Calendar – March 2016

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

8 March 2016 - Tacoma Science Café

Time: 6:30pm

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

8 March 2016 – Olympia Science Café

Time: 7:00pm

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

13-17 March 2016 – 251st ACS National Meeting

Location: San Diego, California

15 March 2016 - Eastside Science Café

Time: 7:00pm

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

16 March 2016 – Joint ACS/AWIS Event

Time: 6:00pm

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

21 March 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 2nd floor of the Instruction Building (IB)

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

Puget Sound Section

News Briefs

Spring ACS National Meeting

The 251st ACS National Meeting is just around the corner! Check out the [website](#) for details.

March 13th – 17th, 2016



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! Scholarships are for \$1,500 and there are normally two given to 2-year college students and two given to 4-year college students.

The application forms are available on the website:

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

Application Deadline: March 1st, 2016

Pacific Northwest Clean Water Association Scholarships

The PNCWA is offering scholarships for students in 2-year and 4-year colleges. A small number of scholarships valued around \$1,200 to \$1,500 will be awarded. New scholarship application forms and info (for 2016) should be posted soon. Keep your eye on their [website](#). The due date for application submissions is **May 22nd, 2016**.

SCHOLARSHIPS!

Science Cafés

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

Tacoma Science Café

"The Old Boy's Club Starts Early"

Tuesday, 8 March, 2016 - 6:30pm - [Swiss Restaurant & Pub](#)

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

Dan Grunspan, University of Washington, Department of Anthropology

Across degree programs in the biological sciences, women outnumber men. When you look at a college-level classroom in Biology, it is hard to imagine that this field isn't female friendly. However, despite the high numbers of women earning degrees, gender inequities in undergraduate-level biology classrooms can be widespread and likely influence whether or not women are likely to pursue a career in science after they complete their degree. Join Ph.D. student and biocultural anthropologist Dan Grunspan as he shares what happens when students in large undergraduate biology classrooms are asked to identify the peers in their class who they think are strong with the class material.

Eastside Science Café

"The Invaders Within"

Tuesday, 15 March, 2016 - 7:00pm - [Wilde Rover](#)

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

Dr. Cecilia Yeung, Fred Hutchinson Cancer Research Center

Some potentially life-saving and curative therapies for leukemia, lymphoma and other blood-related diseases can unfortunately leave the body immuno-compromised. This means that the patient can become vulnerable to other bugs, infections and pathogens. Some of these new bugs can be very unique, and quite a challenge to treat. As a pathologist with the Fred Hutchinson Cancer Research Center, Dr. Cecilia is responsible for the initial screening to help detect and find these new infections and pathogens. Join Dr. Yeung at the Eastside Science Cafe as she presents cases that showcase the fascinating world of microbial life and infectious organisms. Hear stories and experiences from the transplant pathology archives at Fred Hutch, and learn about the battle that happens in the body.

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 is open to all ages. ◀

Olympia Science Café

"Using Geographic Information Systems (GIS) to Take a New Look at the Mima Mounds"

Tuesday, 8 March, 2016 - 7:00pm – [Orca Books](#)

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

The formation of the Mima-type mounds has been a puzzling and contentious topic. This study started as an idea for an undergraduate GIS lab. I was interested to see if I could use ArcGIS tools designed for hydrology analysis to classify the Mima mounds. High-resolution elevation data made this possible and I was able to identify over 27,000 mounds in five different prairies in southern Thurston County. A dataset of this size allowed subtle, but statistically significant, morphological and spatial characteristics to be identified. Mound area, height, volume, and density were shown to vary locally and regionally. The most significant finding was that the mounds are not symmetrical, when viewed collectively they are elongate and have a preferred orientation. That orientation differs depending on the prairie and the general gradient of the outwash terrace that they formed on. In some prairies the elongation is east-west and in others it is north-south. This preferred orientation argues against the bioturbation (and seismic vibration) theory.

About the Speaker:

Ken Tabbutt, Ph.D., a faculty member at The Evergreen State College, has taught interdisciplinary geology programs for the past twenty years. He frequently incorporates GIS in his classes that generally focus on environmental geology, hydrogeology, and landscape processes.

Science Cafés

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

AWIS (Association for Women in Science)

"Rock and Roll: Research and Preparation for Seismic Events in the Pacific Northwest"

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.

Wave, Shake, Response... Come join us to learn more about the research of seismic activity and emergency preparation for earthquakes in the Pacific Northwest. Our panelists will discuss current research on earthquakes and volcanic activity, the development of an early warning system (ShakeMaps), and hazard-specific preparedness and response steps.

This event is co-sponsored by the Puget Sound Section of the American Chemical Society and the Association for Women in Science.

Location:

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 [webpage!](#)

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



Mark Your Calendar

2016 Undergraduate Research Symposium

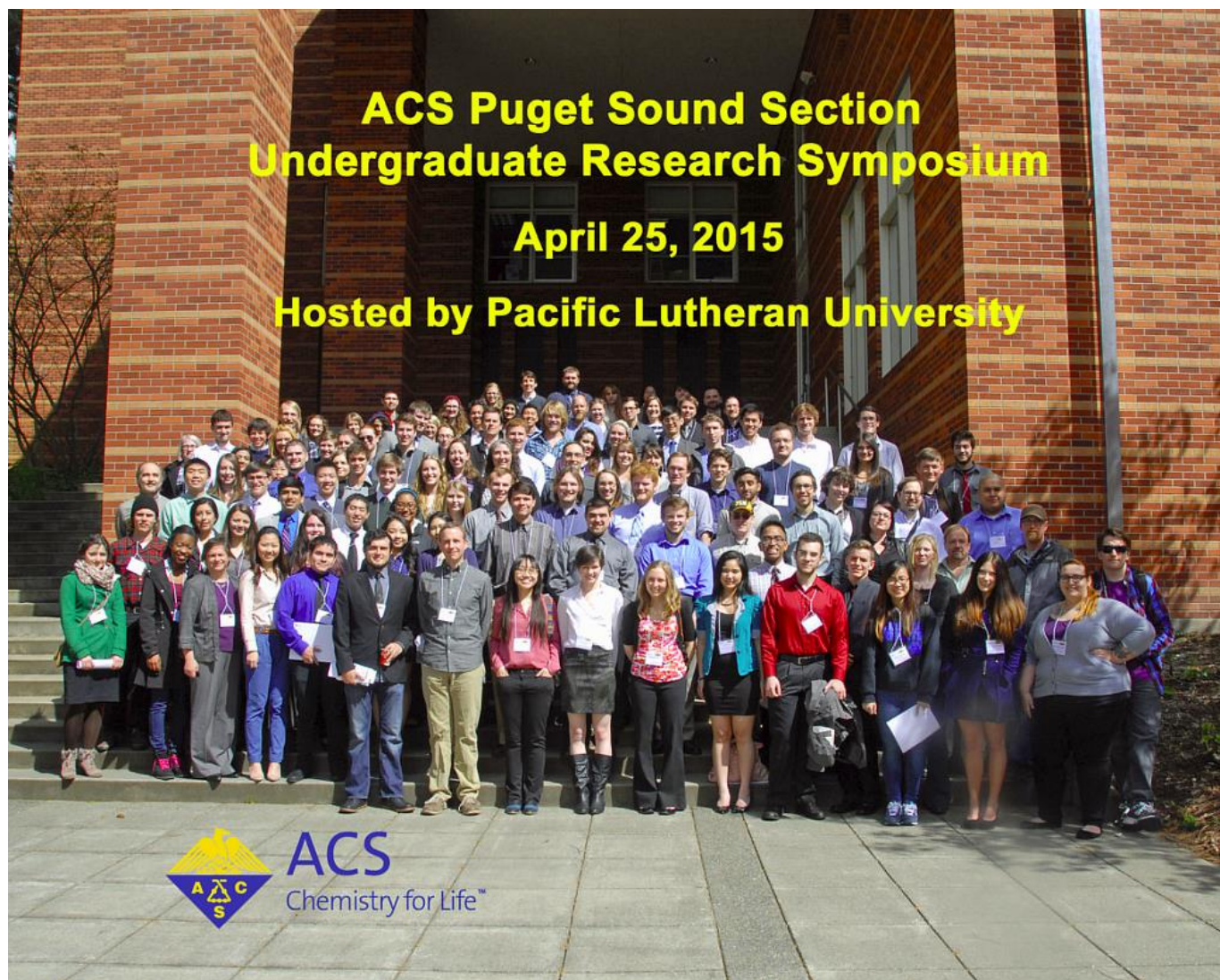
The 2016 ACS Puget Sound Section Undergraduate Research Symposium will be hosted by Central Washington University on April 23, 2016. Further information is available on the [webpage](#).

Abstract Deadline: April 1st, 2016

Registration Deadline: April 8th, 2016

The abstract submission and online registration forms are available 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 registration details and other information please visit the NORM 2016 [website](#)!

Advance Registration ends May 31st, 2016.



Mark Your Calendar

Fall National Meeting

252nd ACS National Meeting & Exposition

August 21st - 25th, 2016

Philadelphia, Pennsylvania

Program Theme: Chemistry of the People, by the People and for the People

20th Annual Green Chemistry & Engineering Conference

June 14th – 16th, 2016

Portland, Oregon

Registration is now open: [Register Here](#)

Website: <http://www.gcande.org>



Recent Events

Career Day 2016

A report on the 12th annual Career Event of the Puget Sound Section of the ACS

Written by Dr. Dharshi Bopegedera

We were delighted to welcome about 40 students, faculty, and chemists from 10 different colleges, community colleges, and universities in the Puget Sound region to the Brightwater Center in Woodinville for the 12th annual Career Event on February 17th. The Brightwater Center, one of the largest public wastewater utilities on the West Coast that serves over 1.5 million customers in the Seattle Metropolitan area, was a unique location for this annual event that helps undergraduate students explore career options in the sciences.



The keynote speaker was Pam Elardo, the director of the King County Wastewater Treatment Division. She works on a wide range of wastewater management issues. Her keynote address, titled “Careers in Clean Water” explored the vision of creating resources from wastewater, which is the goal of the King County’s Wastewater Treatment Division. Pam is also the President of the Living Earth Institute, a non-profit organization dedicated to empowering communities to protect their

health and environment through the sustainable use of water resources. She shared how her passion for this organization drives her desire for her daily work.

The panel discussion, always a favorite of the participants, helped students learn the range of skills needed to work in this diverse facility. We are grateful to the panelists Bob Kruger, Greg Newborn, Suzanne Potts, Pardi Sukapantharam, Katelyn Hunt, and Kristina Wesbrook for sharing their career aspirations and goals with our students and answering the many questions raised by the audience members.



[Continued on next page...]

Recent Events

Career Day 2016 (Continued)



The facility tour was a highlight since most participants had not seen a large industrial facility at close quarters. Equipped with hard hats, eye protection, and high visibility vests the participants paid keen attention to the friendly and knowledgeable tour guides. We are grateful to these tour guides for volunteering their time for this event and for not losing any of the guests in the many labyrinths of the facility!



The event had multiple treats; some were anticipated while others weren't. The snacks and juice were certainly anticipated and heartily consumed but the presence of Jeff Moore of Seattle



Genetics and former Chair of the Puget Sound Section of the ACS gave the participants an unexpected opportunity to hear from a trained Career Councilor of the ACS. Thank you Jeff for rising to the occasion!



Due to generous donations from Thermo Fisher Scientific, the Puget Sound Section of ACS, Despina Strong, Dharshi Bopegedera, and the Brightwater Center, we raffled off many useful items such as a CRC Handbook of Chemistry and Physics, molecular model kits, book bags, hats, water bottles, and periodic tables.

We acknowledged our presenters and volunteers with thank you cards and small gifts and the event concluded with written evaluations that indicated positive responses from participants.

[Continued on next page...]



Recent Events

Career Day 2016 (Continued)

We are grateful to the Brightwater Center for hosting this event. We owe much gratitude to Susan Tallarico and Katelyn Hunt from the Brightwater Center for helping us with the on-site organization. We extend a special thank you to the faculty who encouraged (and in some cases escorted) their students to attend this event. We were thrilled to see the student participants networking with fellow students, faculty, and the facility staff and we hope they learned much from this experience.

Please stay tuned for the 2017 Career Event!



Many More Photos: [Link](#)

Careers

Job Openings

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

Computer Science and Physics Positions (Bellevue College)

Deadlines: See below

Location: Bellevue, WA

ACS PSS Posting Date: 03/01/2016

Brief Description: Two additional full-time tenure track faculty positions are now open at Bellevue College:

Computer Science Instructor - Priority review date – March 13 (Open Now)

Physics Instructor - Priority review date* - March 20 (Open Now)

Details regarding all open positions at the college can be found on the Jobs@BC page - <http://agency.governmentjobs.com/bellevuecollege/default.cfm>.

View PDF of Job Posting: N/A

Chemistry Instructor (Pierce College)

Deadlines: None

Location: Lakewood, WA

ACS PSS Posting Date: 03/01/2016

Brief Description: We just developed a need for someone to teach Chem 131 Spring quarter at Pierce College in Lakewood. Lecture is Daily from 9-9:50 with labs M 1-3 and 3-5.

View PDF of Job Posting: N/A

General Chemistry Instructor (Highline College)

Deadlines: None

Location: Des Moines, WA

ACS PSS Posting Date: 03/01/2016

Brief Description: Highline is looking for an instructor to teach a double section of 161 in Spring.

View PDF of Job Posting: N/A

Careers

Job Openings

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

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

Deadlines: None

Location: Olympia, WA

ACS PSS Posting Date: 03/01/2016

Brief Description: The Evergreen State College seeks a qualified adjunct faculty member to teach general chemistry with laboratory courses beginning with General Chemistry III in spring quarter and continuing in the 2016-17 academic year. The successful candidate will teach a sequence of 6-credit courses scheduled during evening hours.

View PDF of Job Posting: N/A

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

Deadlines: None

Location: Centralia, WA

ACS PSS Posting Date: 03/01/2016

Brief Description: Centralia College is currently seeking applicants for an adjunct faculty position. The initial placement would most likely be for summer quarter, for Chem 121 and possibly a small class of Chem 163 depending on the applicant. Applicant information will be stored for unanticipated staffing needs that may arise before or after summer quarter. The posting is posted on the CC website at <https://centralia.peopleadmin.com/> or you may contact Karen Goodwin at kgoodwin@centralia.edu.

View PDF of Job Posting: N/A

[Postdoc Research & Teaching Fellowship Position \(The University of Kansas\)](#)

Deadlines: None

Location: Lawrence, KS

ACS PSS Posting Date: 03/01/2016

Brief Description: A National Science Foundation (NSF)-funded postdoctoral research & teaching fellowship position is available at the University of Kansas (KU) Center for Environmentally Beneficial Catalysis (CEBC). The postdoctoral fellow will spend a quarter of her/his time working closely with faculty as an agent of change to redesign an undergraduate course. The remaining time will be spent performing original research related to green chemistry and gaining new technical and communication skills.

View PDF of Job Posting: [Link](#)

Careers

Job Openings

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

[Dean for Mathematics, Science, and Engineering \(Tacoma Community College\)](#)

Priority Consideration Date: 02/29/2016

Location: Tacoma, WA

ACS PSS Posting Date: 03/01/2016

Brief Description: Tacoma Community College (TCC) is pleased to invite innovative higher education administrators to apply for the Dean for Mathematics, Science, and Engineering. Reporting to the Executive Vice President for Academic and Student Affairs, the Dean of Math, Science, and Engineering (MSE) administers the departments and disciplines within the division – Biology, Chemistry, Engineering, Earth Sciences, Mathematics, Physics and Education. The Dean provides academic leadership for curriculum, instruction, assessment, professional development, and outreach and coordinates the Core to College and Sustainability initiatives. This is a full-time administrative position with a salary range of \$90,000 - \$96,000 annually DOE/DOQ.

View PDF of Job Posting: N/A

[Post-Doc: Analytical/Purification Scientist \(Yale\)](#)

Deadlines: None

Location: New Haven, Connecticut

ACS PSS Posting Date: 03/01/2016

Brief Description: A postdoctoral position is immediately available within the Center for Green Chemistry and Green Engineering at Yale University. The Center is seeking an analytical/purification scientist to support the research efforts of a multi-disciplinary team. The primary responsibilities of the successful candidate will be analytical testing, compound purification, and compound characterization.

View PDF of Job Posting: N/A

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

[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

[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: USA

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 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

Internships

King County Summer 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	Sheri Tonn
Chair Elect	Karen Goodwin
Past Chair	Cheryl Bick
Secretary	Maleah Huggins
Treasurer	Carole Berg
Newsletter Editor	Jonathan Clark
Councilor - Position 1 (2017)	Mark Wicholas
Councilor - Position 2 (2018)	Gregory Milligan
Councilor - Position 3 (2016)	Craig Fryhle
Councilor - Position 4 (2017)	Gary Christian
Councilor - Position 5 (2018)	Despina Strong
Alternate Councilor - Position 1 (2017)	Jennie Mayer
Alternate Councilor - Position 2 (2018)	Amar Yahiaoui
Alternate Councilor - Position 3 (2016)	Neal Yakelis
Alternate Councilor - Position 4 (2017)	Dharshi Bopegedera
Alternate Councilor - Position 5 (2018)	Nadine Gruhn

Other Outstanding Volunteers	
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	TBA
Long Range Planning Committee Chair	TBA
National Chemistry Week Committee Chair	Roxanne Hulet
Nominating Committee Chair	TBA
Public Relations Committee Chair	Nick Milanovich
Safety Committee	TBA
Sustainability Committee Chair	Charity Lovitt
Undergraduate Symposium Committee Chair	Neal Yakelis
Webmaster	Jonathan Clark
Women Chemists Committee Chair	TBA
Younger Chemists Committee Chair	Jonathan Clark



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