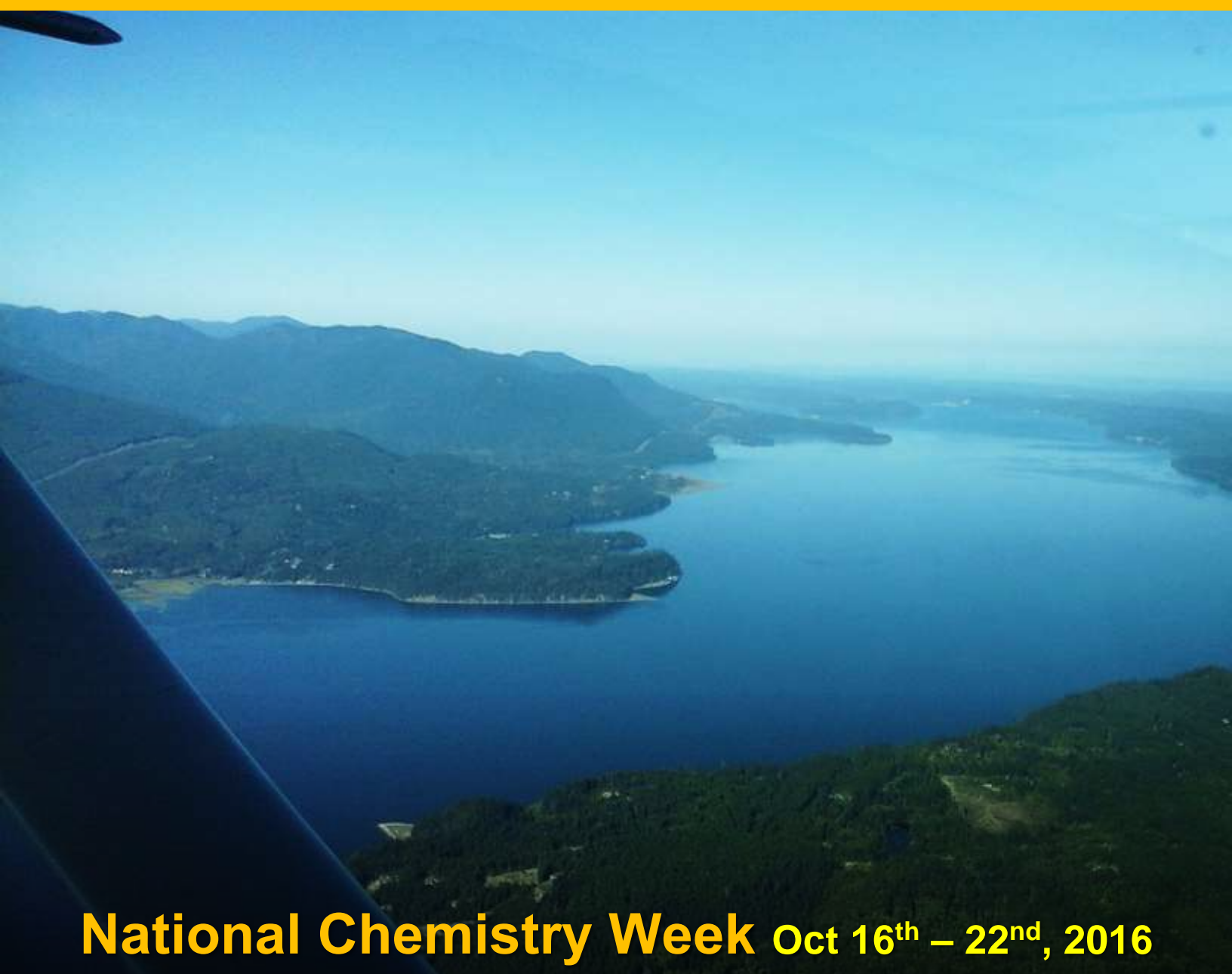


THE CHEMIST

National Chemistry Week!

The Puget Sound Chemist

Volume 77 No. 10 - October 2016



National Chemistry Week Oct 16th – 22nd, 2016



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

NCW 2016!

National Chemistry Week is Oct 16th to the 22nd! Check out the ACS webpage [here](#)!

Dr. Schmidt will give a talk on alternative fuels on Oct 26th at the University of Puget Sound.

Elections Update: The ballots are being prepared. Read through the position descriptions on [page 6](#). Please send us any questions at elections@pugetsound.sites.acs.org.

The Pauling Award Ceremony will be on November 12th. Please mark your calendar because this is an awesome event to attend! The Pauling Award is a prestigious award jointly given by the Puget Sound, Oregon and Portland sections of the American Chemical Society. More details are on [page 10](#) and on the [PLU Website](#).

We now have a LinkedIn Group! Check it out [here](#).

Cheers!



Jonathan Clark

Newsletter Editor

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Calendar – October 2016

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

10 October 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>

11 October 2016 – Olympia Science Café

Time: 7:00pm

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

16 - 22 October 2016 – National Chemistry Week!

26 October 2016 – Alternative Fuels Talk (Dr. Schmidt)

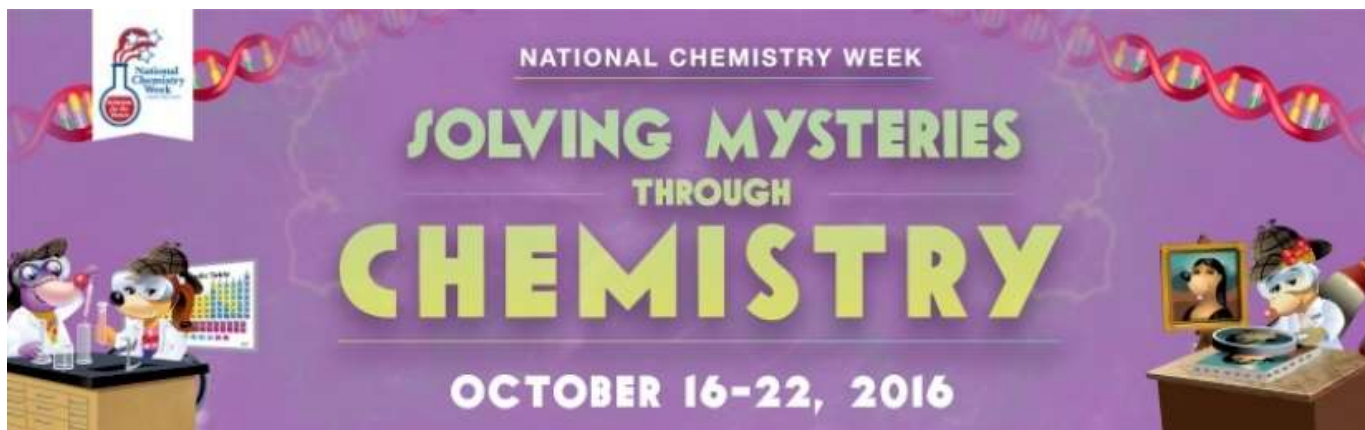
Time: 7:00pm

Location: University of Puget Sound - Thompson Hall Room 175 - 1500 N Warner St, Tacoma, WA 98416

Puget Sound Section

News Briefs

National Chemistry Week



Link: <https://www.acs.org/content/acs/en/education/outreach/ncw.html>

Note: Mole Day (in celebration of Avogadro's Number 6.022×10^{23}) is Oct 23rd!

New ACS PSS LinkedIn Group

[American Chemical Society Puget Sound Section](#)

Link: <https://www.linkedin.com/groups/12010252>

This group is sponsored by the Puget Sound Section of the American Chemical Society (ACS). You do not have to be a member of the ACS to join the LinkedIn group. Our goal is to facilitate networking among all people working or interested in chemical and molecular sciences in the Puget Sound region.

PLU Students to attend U.N. climate conference in Morocco

Read all about it here: <http://www.plu.edu/marcom/news/2016/07/26/lutes-climate-conference/>

News Briefs

Talk on Alternative Fuels (Dr. Schmidt)

“Climate change caused by carbon based fuels is not inevitable! Come hear a leading expert tell about the hydronitrogen fuels, made from air and water. He will describe operation of a gasoline engine. These fuels could replace gasoline and diesel and emit only air and water!”

Date/Time: 7:00 pm on Wed, October 26th, 2016.

Location: University of Puget Sound - Room 175 in Thompson Hall (NOT the new Thomas Hall...)

Light fare will be provided from catering services.

Dr. Schmidt received his Dr. rer. nat. (= Ph. D.) in chemistry with a minor in astronomy from University of Tuebingen in Germany in 1964. He has been working with or writing about hydrazine as a rocket propellant for more than 50 years. From 1966 through 1995 he was a Senior Staff Scientist at Rocket Research Co. in Redmond, WA (now part of Aerojet-Rocketdyne). He is the author of two books on hydrazine and one book on rocket propellants. He is an Affiliate Associate Professor in the Department of Aeronautics and Astronautics at the University of Washington in Seattle, WA. He is currently a Subject Matter Expert/Senior Staff Engineer at Johns Hopkins University Energetics Research Group and is writing a new book on rocket propellants. As a consultant, he has been doing accident and failure investigations involving energetic materials.

Volunteer to be a Science Coach

Volunteer to be a Science Coach. Teacher members of the [American Association of Chemistry Teachers](#) are looking for chemists to help them throughout the 2016-17 school year. If you like to plan activities, suggest new demos and labs, mentor students, or connect classroom learning to the real world, consider becoming an [ACS Science Coach](#). ACS donates \$500 to each participating school! Already know a teacher? Introduce her/him to the [benefits of AACT membership](#) and [submit your application](#) today!

News Briefs

Elections: 2017 ACS Puget Sound Section Executive Officers

The ACS Puget Sound Section is preparing the ballot for the executive committee elections for offices starting in 2017. There are five positions up for election. A brief description of the duties for each position is provided below.

Section Chair-Elect/Chair/Past-Chair (1 Year Term per Position - One open position)

This is a three year commitment serving one year as Chair-Elect, Chair, and Past-Chair. The duties vary slightly with each. Chair-Elect is the open position for 2017.

Chair-Elect (2017) Responsibilities

- attend executive committee meetings and facilitate meetings in the chair's absence
- head the speakers' bureau committee
- attend the Leadership Institute training sponsored by ACS

Section Chair (2018) Responsibilities

- lead executive committee meetings and provide leadership
- appoint committee chairs
- ensure timely completion of business tasks

Past-Chair (2019) Responsibilities

- attend executive committee meetings
- provide support to the Chair, Chair-Elect, and the executive committee
- complete annual report for previous year
- lead the nominating committee

Secretary (1 Year Term - One open position for 2017)

Secretary's Responsibilities

- taking and distributing notes at executive committee meetings
- create and manage election ballot and work with election Tellers to validate election results
- submit the election results and committee nomination to the national office

News Briefs

Elections: 2017 ACS Puget Sound Section Executive Officers

Treasurer (1 Year Term - One open position for 2017)

Treasurer's Responsibilities

- prepare a monthly budget and manage the section's accounts
- manage cash inflows and outflows
- work with the finance committee to review the section's finances and prepare the annual budget
- complete the financial section of the annual report.

Councilor (3 Year Term - One open position for 2017-2019)

Councilor's Responsibilities

- represent the section at the two National meetings and serve on national committees
- advise the chair, the executive committee and other committee chairs
- volunteer or be assigned to serve on section committees and subcommittees

Alternate Councilor (3 Year Term – One open position for 2017-2019)

Alternate Councilor's Responsibilities

- fulfill the role of a councilor when the councilor is not available
- attend the regional NORM meeting
- volunteer or be assigned to serve on section committees and subcommittees.

Nominations and Elections Timeline

Call for nominations	June 29 th – September 15 th
Voting (mail and online)	October 10 th – October 31 st
Election Validated	By November 15 th

Nominating Committee

Cheryl Bick, Nominating Committee Chair
Despina Strong
Karen Goodwin
Nadine Gruhn
Jonathan Clark

Nominations or questions?

Do you have questions about the various roles or the election process? Please email your nominations and questions to: elections@pugetsound.sites.acs.org

Science Cafés

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

Olympia Science Café

"Washington State Patrol Crime Laboratory – Forensic DNA Evidence"

Tuesday, 11 October, 2016 - 7:00pm – [Orca Books](#)

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

The Washington State Patrol's Forensic Laboratory Services provide a wide range of forensic science expertise to city, county, and state law enforcement officers, medical examiners and coroners, assisting agencies at crime scenes, preparing evidence for trial, and providing expert testimony. The Washington State Patrol Biochemistry/DNA section is responsible for the forensic biochemical analyses of body fluids, stains, and cellular material (not associated with bodily fluids) and the DNA typing of biological evidence. Our guest speaker will discuss the different forensic disciplines within the Crime Lab, and explain the process of examination and analysis of DNA evidence in criminal cases.

Marion Clark is the DNA Section Supervisor at the WSP Tacoma Crime Laboratory. She holds a Bachelor of Science in Microbial Biotechnology and a Master of Science in Pharmacy. Marion has been a forensic scientist in the DNA section of the Tacoma Crime Laboratory for approximately nine years. During her time with the WSP Crime Lab, Marion has performed DNA analysis on many hundreds of criminal cases, and processed thousands of DNA samples. Additionally, Marion is a former member of the WSP Crime Scene Response Team, and assists in training law enforcement agencies across the state in DNA evidence procedure.

Science Cafe of Olympia meets each month on the second Tuesday. It provides an informal atmosphere where people with and without scientific background can meet to deepen their understanding on interesting topics in science and technology. After a presentation by an expert in the field, the meetings are opened for discussion. Science Cafes are found nationwide and are loosely affiliated with the U.K.- based Cafe Scientifique, an international organization promoting public engagement with science.

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

Are you a younger chemist looking for a way to be an active volunteer with the local section? Do you want to plan social events or industrial tours for young professional chemists and chemical engineers?

Consider getting involved with the Younger Chemists Committee to plan and implement events and programs.



Mark Your Calendar

Linus Pauling Medal Award Symposium and Awards Banquet



The American Chemical Society (ACS) Oregon, Portland, and Puget Sound Sections have named Dr. Timothy Swager, John D. MacArthur Professor of Chemistry at Massachusetts Institute of Technology, the 2016 recipient of the Linus Pauling Medal Award. Dr. Swager's work has had impact on multiple areas of supramolecular chemistry and materials science, and reflects the spirit of Linus Pauling's legacy. He is known for his work in innovative polymer and liquid crystal designs, preparation and utilization of functionalized carbon nanomaterials and chemical and biological sensing. His work bridges the highly technical chemical world with real world applications. He developed highly sensitive chemical sensors using molecular wires (electronic polymers) which have very practical applications in detecting gunpowder and explosives like TNT. His group has also developed fluorescent methods to detect... [\[read more\]](#)

The Linus Pauling Medal Award Symposium and Awards Banquet will be held on Saturday, November 12, 2016 at Pacific Lutheran University, Tacoma, Washington. More information and event registration may be found at <http://www.plu.edu/chemistry/pauling2016> or contact Symposium Co-chairs Professor Dean A. Waldow, Associate Professor Neal Yakelis, and ACS Puget Sound Chair Professor Sheri Tonn at pauling2016@chem.plu.edu.



[\[Press Release\]](#)

Mark Your Calendar

Women in Chemical Engineering Panel

November 10th at the University of Washington

WChE

**Women in Chemical Engineering at UW
Presents**

The 1st Annual

FALL INDUSTRY PANEL

November 10, 2016

**Featuring chemical engineering women that are
leaders in industry**

These women, whom all have obtained a ChemE degree (B.S., M.S., and/or Ph.D.) will represent the biotechnology/pharmaceuticals, oil, paper, energy/environment, technology, aerospace, and cosmetics industries and share their experiences and advice with our undergraduate and graduate students in the department.

Event Highlights

- Hear from our distinguished keynote speaker
- Participate in 2 break out sessions, each focused on a specific industry
- Enjoy a closing networking/happy hour with food and drinks!

Event Details & Itinerary

- **Where:** Johnson Hall, University of Washington
- **When:** Thursday, November 10, 2016
 - 5:30 Registration and check-in begins
 - 6-6:30 Presentation and keynote
 - 6:40-7:20 Break-out panel 1
 - 7:30-8:10 Break-Out Panel 2
 - 8:15 Networking/Happy hour
- **Who:** All prospective/current students, and recent alums in chemical engineering at UW

WChE, founded in January 2016, is a rapidly growing organization which strives to educate and empower women in chemical engineering, and their supporters, by providing a safe and open space for dialogue, mentorship, advocacy, collaboration, camaraderie, and skill building.

100+ active members consisting of chemical engineering undergraduate and graduate students, staff, faculty, and alumni

Website: <http://students.washington.edu/wche/> Email: wche.uw@gmail.com
Facebook: <https://www.facebook.com/WChEUW/>

Careers

Job Openings

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

Chemistry Adjunct Faculty ([Everett Community College](#))

Deadlines: N/A

Location: Everett, WA

ACS PSS Posting Date: 08/31/2016

Brief Description: Everett Community College is looking to hire a Chemistry adjunct faculty starting Fall 2016. The teaching responsibilities will include Preparatory Chemistry, GOB and General Chemistry. There may even be some evening classes.

View PDF of Job Posting: N/A

[Adjunct Chemistry Instructors \(South Puget Sound Community College\)](#)

Deadlines: N/A

Location: Olympia, WA

ACS PSS Posting Date: 08/31/2016

Brief Description: South Puget Sound Community College is looking for adjunct instructors for three sections of Chem 110, fall quarter. Lectures take place in the mornings with labs on Fridays. If interested (or you know someone who may be interested), please go to spsc.edu/employment to fill out an online application. Contact person is Lynette Rushton, Science Program Lead, if there are any questions (lrushton@spsc.edu).

View PDF of Job Posting: N/A

[Analytic Chemistry Faculty \(The Evergreen State College\)](#)

Deadlines: N/A

Location: Olympia, WA

ACS PSS Posting Date: 08/31/2016

Brief Description: The Evergreen State College is currently seeking applicants for Analytical Chemistry regular faculty position (tenure-track equivalent) for 2017-18 academic year. Apply at <http://www.evergreen.edu/facultyhiring>. First review Sept. 12, 2016 continuing until finalists are selected.

View PDF of Job Posting: N/A

Careers

Job Openings

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

[Instructional Technician opening \(Biology\) \(Cascadia College\)](#)

Deadlines: N/A

Location: Bothell, WA

ACS PSS Posting Date: 08/31/2016

Brief Description: Cascadia College has an instructional lab technician job opening for fall 2016. This technician would primarily support biology instructional labs, as well as environmental science labs. Review of applications will begin on September 12th. Interviews will take place in early October.

View PDF of Job Posting: N/A

[Chemistry Instructors \(Pierce College - Puyallup\)](#)

Deadlines: N/A

Location: Puyallup, WA

ACS PSS Posting Date: 08/31/2016

Brief Description: Pierce College Puyallup is currently looking for instructors for two evening classes:

Chem 100 TTh 5:30-7:40 pm

Chem 139 MW 5:30-7:40 pm

If you or anyone you know is interested in either or both of these classes please contact Katy Olsen-Tiglao at kolsen@pierce.ctc.edu.

View PDF of Job Posting: N/A

Careers

Job Openings

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

[Multiple Teaching Opportunities - Chemistry \(Edmonds Community College\)](#)

Deadlines: N/A

Location: Edmonds, WA

ACS PSS Posting Date: 07/01/2016

Brief Description: Edmonds Community College has a variety of teaching opportunities starting this summer, and continuing through the 2016-17 academic year. These include:

The GOB allied health sequence (Chem 121 & 131)

The general chemistry sequence (Chem 161, 162, 163)

The year-long organic chemistry sequence (Chem 261, 262, 263)

We will have at least one full time temporary position that will be posted on our Human Resources site, so please look for that if you (or anyone you know) might be interested. We ask that anyone interested in possibly teaching any of these courses please take a few minutes and complete the online part time faculty pool application with our human resources department. The URL is below, and once on the page, scroll down to the "part-time instructor pool - chemistry", then click on "apply" in the upper right corner. After completing the online PT applicant pool form, please send a resume and brief cover letter to Jeff Owens at jeff.owens@email.edcc.edu.

View PDF of Job Posting: N/A

[Part Time Chemistry Positions \(Seattle University\)](#)

Deadlines: N/A

Location: Seattle, WA

ACS PSS Posting Date: 07/01/2016

Brief Description: Seattle University has teaching opportunities in General Chemistry available during next Winter Quarter (January 3rd through March 22nd, 2017). The courses include sections of General Chemistry lecture and laboratory. If you have interest in, or questions about, this opportunity, or if you know of someone who may be a good match, please contact Ryan McLaughlin (Associate Professor & Chair | Department of Chemistry | Seattle University) at mclaughlinr@seattleu.edu.

View PDF of Job Posting: N/A

Careers

Job Openings

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

[Part Time Chemistry Positions \(Clark College\)](#)

Deadlines: N/A

Location: Vancouver, WA

ACS PSS Posting Date: 05/30/2016

Brief Description: Clark College is looking to fill two part-time positions in Chemistry. In the fall, we have the first term of our GOB sequence (CHEM 121) available on Mondays and Wednesdays, from 12-2. We also have a CHEM 139 (prep course for general chemistry) available on Tuesdays and Thursdays from 1-3. We also have some lab hours at various times that need staffing, and one class still needing an instructor for this summer. Anyone who is interested can send their resume to me [*Amanda Crochet*] at acrochet@clark.edu.

View PDF of Job Posting: N/A

[Visiting Faculty Position in Physics \(Evergreen College\)](#)

Deadlines: N/A

Location: Olympia, WA

ACS PSS Posting Date: 04/29/2016

Brief Description: Evergreen is hiring a physicist next year to teach with a chemist in the first year curriculum.

View PDF of Job Posting: N/A

[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

Careers

Job Openings

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

[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

[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 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

[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.

[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

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	Neal Yakelis
Long Range Planning Committee Chair	TBA
National Chemistry Week Committee Chair	Roxanne Hulet
Nominating Committee Chair	Cheryl Bick
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



ACS
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