

THE CHEMIST

Career Event

The Puget Sound Chemist

Volume 78 No. 2 - February 2017



Career Event: Feb 22nd



ACS
Chemistry for Life®

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

February is a busy month!

The next few months are rich with ACS events!

The 2017 Career Event's official registration deadline has passed, however, we are continuing to accept registrations from US citizens. [Register Here](#)

This last weekend, Jan 27th to 29th, a number of Executive Committee members from the Puget Sound Section attended the 2017 ACS Leadership Institute in Dallas, TX. The weather was clear and fairly cold. It was another outstanding Leadership Institute! We made connections and took a number of leadership courses over the course of the three day event.

Cover Photo: ACS Leadership Institute dinner hall (Dallas, TX).

Cheers!



Jonathan Clark

Newsletter Editor

Contents

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



Calendar – February 2017

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

2-3 February 2017 – Transitioning to Safer Chemicals - Training

Time: See event listing on page 4

Location: Seattle, WA

8 February 2017 – First Line of Defense: A Tool to Screen for Chemical Hazards

Time: 10:00am – 11:30am

Location: Webinar

13 February 2017 – Executive Committee Meeting

Time: 7:00pm

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

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

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

16 February 2017 – Catalysis: A Frontier at the Center of Chemistry - Lecture

Time: 7:00pm

Location: University of Puget Sound (Schneebeck Concert Hall) - 1500 N Warner St, Tacoma, WA 98416

21 February 2017 – ACS “Program in a Box” - The Chemistry of Sports

Time: 4:00pm

Location: Centralia College’s Washington Hall Rm 103 - 600 Centralia College Blvd, Centralia, WA 98531

22 February 2017 – Career Event

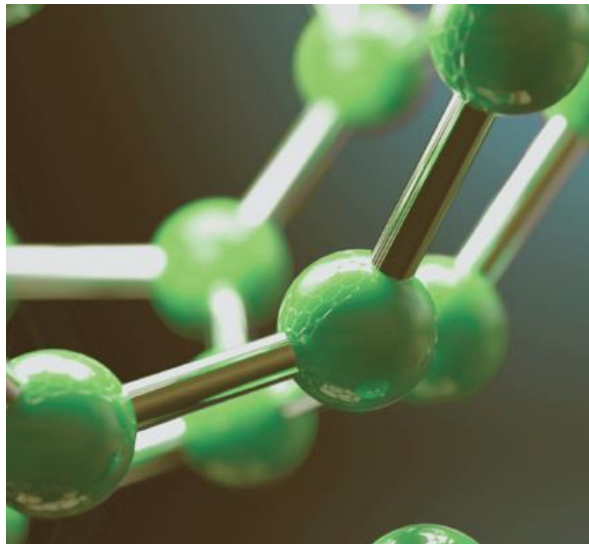
Time: 1:00pm

Location: Pacific Regional Lab Northwest (PRLNW) - 22201 23rd Dr. SE Bothell, WA 98021

Puget Sound Section

News Briefs

Upcoming Green Chemistry and Safer Alternative Trainings



OSHA 7225: Transitioning to Safer Chemicals

February 2-3, 2017 Seattle, WA

This course will guide participants through OSHA's substitution planning process for understanding and evaluating chemical use, identifying and assessing alternatives, and implementing those alternatives that are safer. OSHA 7225 is for professionals at all levels of chemistry understanding who play a role in product and materials selection.

[View Upcoming Dates](#)

First Line of Defense: A Tool to Screen for Chemical Hazards (Webinar)

February 8, 10-11:30 am PT

Ever had a toxic chemical you wanted to eliminate from your product or manufacturing process and wondered "where do I start?" Ecology is presenting a webinar introducing the List Translator, a simple tool used to screen chemicals for known chemical hazards. The List Translator that will be discussed is an automated tool easy for anyone to use regardless of their experience or knowledge related to chemical hazards. You can evaluate chemicals you currently use or may use in the future. It helps you avoid replacing a toxic chemical with something that is equally toxic or, in some cases, even more toxic.

In this webinar you will learn the basic principles of chemical hazard assessments, why they are of interest and basic tools to identify and screen out hazardous chemicals.

[Register for this free webinar](#)



Michel Dedeo, Chemist
Healthy Building Network



Alex Stone, Chemist
Department of Ecology

News Briefs

Catalysis: A Frontier at the Center of Chemistry

The Jean Dreyfus Lectureship at Puget Sound

Funded by The Camille and Henry Dreyfus Foundation

Through generous funding from the Camille and Henry Dreyfus Foundation, the University of Puget Sound is hosting a visit from Professor of Chemistry Eric Jacobsen (Harvard University). As part of his visit he will be presenting an evening lecture geared to a general audience. The lecture is free and open to the public.

Eric N. Jacobsen

Sheldon Emery Professor of Chemistry

Harvard University

Thursday, February 16, 2017, 7 pm - - Schneebeck Concert Hall at the University of Puget Sound

Reception following - - For additional information or questions, contact John Hanson (hanson@pugetsound.edu).

There is no doubt that many of the most pressing challenges facing humanity – such as health, the environment, and energy – will have to be addressed using chemistry. But what remains to be discovered or understood in this venerable discipline? Is it a “mature” science, such that the only real opportunities exist in applying known concepts both within the field and at the interface of other disciplines? Or are there genuinely new things to be found about molecular structure and reactivity that can enhance the impact of our field? In this lecture, I will share my own perceptions of what are some of the major fundamental challenges at the core of chemistry, and touch on ways that my group has gone to address them.



Eric Jacobsen joined Harvard University as full professor in 1993, was named the Sheldon Emery Professor of Organic Chemistry in 2001, and served as Chair of the Department of Chemistry and Chemical Biology from 2010 through 2015. He directs a research group of 20-25 graduate students and postdocs dedicated to discovering useful catalytic reactions, and to applying state-of-the art mechanistic and computational techniques to the analysis of those reactions. Several of the catalysts developed in his labs have found widespread application in industry and academia. These include metal-salen complexes for asymmetric epoxidation, conjugate additions, and hydrolytic kinetic resolution of epoxides; chromium-Schiff base complexes for a wide range of enantioselective pericyclic reactions; and organic hydrogen bond-donor catalysts for activation of neutral and cationic electrophiles. Jacobsen's mechanistic analyses of these systems have helped uncover general principles for catalyst design, including electronic tuning of selectivity, cooperative homo- and hetero-bimetallic catalysis, hydrogen-bond donor asymmetric catalysis, and anion binding catalysis. Additional information, including a list of his many awards can be found at http://www.people.fas.harvard.edu/~minotti/about_ENJ.html.

News Briefs

The Chemistry of Sports

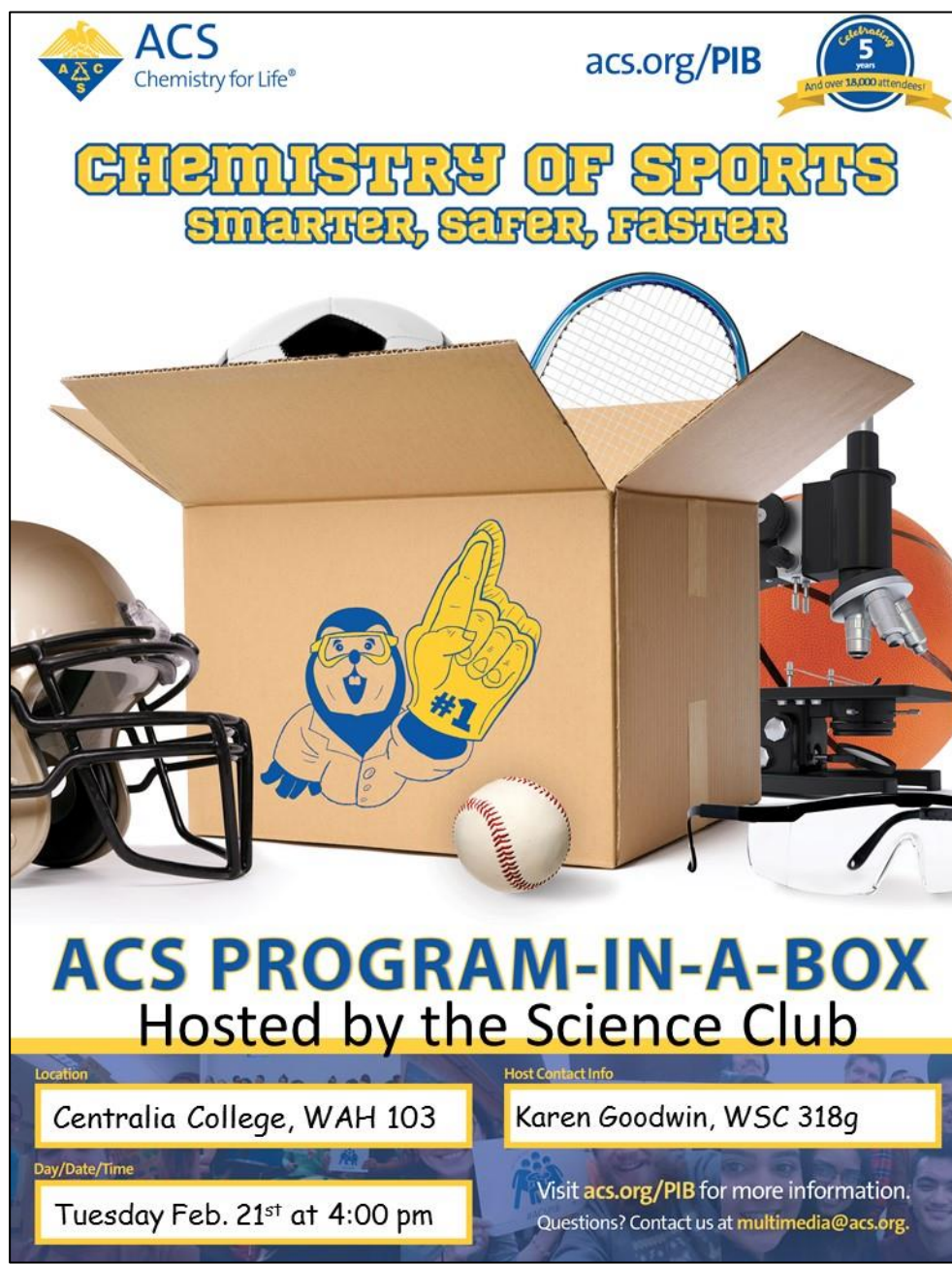
ACS "Program in a Box"

4:00pm on February 21st, 2017

Centralia College (600 Centralia College Blvd, Centralia, WA 98531) in Washington Hall (Room 103)

All are welcome, especially students! Here is the link for more information on the event

<https://www.acs.org/content/acs/en/acs-webinars/program-in-a-box.html>



The graphic features the ACS logo (Chemistry for Life) and the URL [acs.org/PIB](https://www.acs.org/PIB). A celebratory badge indicates "Celebrating 5 years" and "And over 18,000 attendees!". The main title is "CHEMISTRY OF SPORTS" in large yellow letters, with the tagline "SMARTER, SAFER, FASTER" below it. The central image shows an open cardboard box with a cartoon scientist character on the side, pointing upwards with a "#1" on his hand. Surrounding the box are various sports and science items: a soccer ball, a tennis racket, a football helmet, a baseball, a microscope, and safety goggles.

ACS PROGRAM-IN-A-BOX
Hosted by the Science Club

Location	Host Contact Info
Centralia College, WAH 103	Karen Goodwin, WSC 318g
Day/Date/Time	Visit acs.org/PIB for more information. Questions? Contact us at multimedia@acs.org .
Tuesday Feb. 21 st at 4:00 pm	

News Briefs

Career Event 2017

February 22nd, 2017 at the Pacific Regional Lab Northwest (PRLNW) - 22201 23rd Dr. SE Bothell, WA 98021

[Further Information and Registration](#)

*Note: Registration officially closed on Jan 22nd, 2017. We are continuing to accept registrations for US citizens.



News Briefs

ACS Career Resources

<https://www.acs.org/content/acs/en/careers.html>

Many opportunities and career resources are available on the ACS website for ACS members! Check them out!



Heros of Chemistry

[Heros of Chemistry](#) is an annual award sponsored by the American Chemical Society that recognizes talented industrial chemical scientists whose work has led to the development of successful commercialized products ingrained with chemistry for the benefit of humankind.

Nominations for the 2017 Heroes of Chemistry Awards are now being accepted.

For more information on the application process, please visit the [Nominations Procedures](#) page or email chemhero@acs.org.



ACS Webinars

Hundreds of webinars presented by subject matter experts in the chemical enterprise. LIVE every Thursday at 11am PST (2pm ET)!



News Briefs

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!

*Application deadline is March 15th, 2017 for most scholarships. The application deadline for the High School Teacher of the Year Award is April 30th, 2017.

The application forms are available on the website:

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

Application Deadline: March 15th, 2017

Science Cafés & Lectures

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

Science Cafes by the Pacific Science Center

As of Oct 1st, 2016, the Pacific Science Center's Science Café series has come to a close. In place, the Pacific Science Center has launched a Science Lecture series. Please take a look:

<https://www.pacificsciencecenter.org/lectures/>

Science on Tap

Science on Tap is another science café that meets in Seattle, WA. Information regarding the next Science on Tap event can be found on their website: <http://www.scienceontap.org>

Younger Chemists Committee

New YCC Chair

Congratulations to Alicia Taylor in her new role as Chair of the Puget Sound Section YCC!

Hello YCC members of Puget Sound! As your new YCC Chair, I plan to organize more events for you: professional development, social networking, and professional networking (just to name a few!). Your local ACS chapter has a lot to offer and I encourage all of you to become more involved!

I'm looking for volunteers, ideas, and more from you! ACS is a great place to connect with fellow scientists and launch your career. Please reach out to me at aliciaataylor@gmail.com if you have ideas or want to be more active. In the next month, I plan to send out a 5 minute survey to get ideas and feedback from you on how YCC can meet your needs.

I have compiled a list of professional networking events in the greater Seattle area. If you are able to attend any of these, please let me know how they are!

Thank you,

Alicia



Younger Chemists Committee

YCC Networking Opportunities

YCC is committed to helping students and professionals find networking opportunities. Below are current monthly networking opportunities in the Seattle area. Please reach out to us if you know of additional networking events in Seattle or in other regions within the Puget Sound ACS chapter region. Additionally, if you have an interest in ACS partnering with these events, or having its own networking event, please reach out to us! Let us know how you liked these events!

- NBIS (Network for Business Innovation and Sustainability) - <http://nbis.org/> - Helping business focus on innovation and sustainability
- Sustainable Seattle - <http://www.sustainableseattle.org/> - Among other things, they host "Green Drinks" which is a low key networking event each 2nd Tuesday of the month. Location changes; free beer/wine and snacks
- NWAEP - <http://www.nwaep.org/> - Northwest Association of Environmental Professionals - They host a first Thursday networking event each month
- NEBC - <http://www.nebc.org/NebcEvents.aspx>
- Net Impact - <https://www.netimpact.org/chapters/seattle-professional> - A professional group centered about helping professionals make a meaningful impact at work and in their communities
- NEEC - <http://www.neec.net/> - Northwest Energy Efficiency Council - hold meetings, trainings and networking events related to energy conservation and sustainability
- YEP – Young Environmental Professionals, <http://nebc.org/view/yep-info.aspx>



Younger Chemists Committee

About the YCC

The PSS YCC is a local section version 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 Alicia Taylor (Puget Sound Section YCC Chair): AliciaATaylor@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

Upcoming Green Chemistry and Safer Alternative Trainings

Save the date for in In-Person Training

Get hands-on practice using an automated tool that allows companies to easily identify hazards when making chemical management decisions.

March 15 in Seattle

June 6 in Portland

Visit Washington Ecology's [green chemistry events page](#) to learn more or register.

\$49 / \$69

Fish Tale Brewery Tour

Tour of Fish Tale Brewery in Olympia, WA

515 Jefferson St. SE, Olympia, WA 98501

March 11th, 2017 at 1 pm

<http://www.fishbrewing.com/brewpub/>

253rd ACS National Meeting & Exposition

Advanced Materials, Technologies, Systems & Processes



[Register Here](#)

Mark Your Calendar


2017 Undergraduate Research Symposium

“Save the Date” for the 2017 Undergraduate Research Symposium!


Saturday, April 29th, 2017 at UW Bothell
18115 Campus Way NE, Bothell, WA 98011

Registration will be available at: <http://pugetsound.sites.acs.org/urregistrationform.htm>

**American Chemical Society
Puget Sound Section**




**Undergraduate Research
Symposium** Saturday
April 29th
2017



ACS
Chemistry for Life™

The 33rd Annual ACS regional symposium is hosted by the
University of Washington - Bothell
School of Science, Technology, Engineering & Mathematics
Division of Physical Sciences

Registration & Abstract Submission Deadline: March 31st
<http://pugetsound.sites.acs.org/urregistrationform.htm>
Questions regarding registration can be addressed to Dr. Peter Anderson
pca4@uw.edu



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Mark Your Calendar

Chemistry Tournament at Washington University



Missouri's Washington University will host its 2nd annual chemistry tournament on April 8, 2017.

“The Washington University Chemistry Tournament (WUCT) is an annual chemistry competition held on Washington University’s campus in St. Louis, MO. The competition invites high school students across the nation to participate in a series of individual and team-based chemistry exams, engage with college students and faculty, and earn recognition at an awards ceremony. WUCT emphasizes real world applications of science and promotes fundamental problem-solving and teamwork skills.”

Check out this link for more info and to register: <http://wuct.wustl.edu/index>

Mark Your Calendar

NORM 2017

More info: www.norm17.org



72nd Annual Northwest Regional Meeting
June 25-28, 2017
Oregon State University | Corvallis, OR
norm17.org



Mark Your Calendar

2017 Chemistry Olympiads

The Puget Sound section of ACS is pleased to announce that we will be participating again this next year in the International Chemistry Olympiad competition.

The primary goals of this program are to stimulate interest and achievement in chemistry among high school students throughout the United States and to provide recognition of outstanding young chemistry students, teachers, and schools.



Students competing in the USNCO are eligible to be selected as members of the United States team for the International Chemistry Olympiad (IChO). For the past thirty three years, the United States has sent a team of four students to compete with nations around the world at the IChO. The students participate in both theoretical and laboratory examinations over several days. Gold, silver, and bronze medals are awarded to the best performers, and the IChO provides students the opportunity to interact with their peers from other countries. This year the international event will be held in Nakhom Pathon, Thailand, July 6-15, 2017.

It is the responsibility of our section to nominate students from this area to take the USNCO national examination. In order to identify these students, we have decided to conduct a preliminary screening of students through **Local Exams during March of 2017**. The national exam involves three parts administered to more than 1,000 students. Students can use past exams available at www.acs.org/olympiad to prepare.

Any interested students (and teachers) are encouraged to get in touch with our committee members for more information about our local event. No registration forms are required; rules and general information are available in the website below. Please contact Clarita Bhat (claritabaht@yahoo.com or cbhat@shoreline.edu) for more details. Let us make this the year that one of ours goes to the International competition!! Our great committee will be communicating with all interested very soon.

Careers

Job Openings

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

[Full-time tenure-track chemistry faculty position \(Edmonds Community College\)](#)

Deadlines: 02/23/2017 at 6:00pm

Location: Edmonds, WA

ACS PSS Posting Date: 02/01/2017

We at Edmonds Community College are happy to announce the opening of a full-time tenure-track chemistry faculty search! We are especially interested in applicants that have experience with, or interest in, teaching the majors level organic chemistry sequence (although this is not required in order to be a strong candidate). Details about the position, other preferred qualifications, and how to apply can be found at the human resources link: <http://www.edcc.edu/hr/Recruitment/job-openings.html> -

*The closing date is Feb 23rd at 6:00PM! Feel free to contact me [Jeff Owens - jeff.owens@email.edcc.edu] if you have questions about the position, the department, or the STEM division at Edmonds.

View PDF of Job Posting: N/A

[Full time tenure track chemistry faculty position \(Big Bend Community College\)](#)

Deadlines: N/A

Location: Moses Lake, WA

ACS PSS Posting Date: 02/01/2017

Full time tenure track chemistry faculty position at BBCC. Located in the beautiful desert. Nice dry climate. Great people to work with. Low cost of living and lots of parking space! If you or anyone you know are interested we would love to get the application. If you have any questions that are not answered in the announcement, contact John at the phone or email shown below.

John Peterson (Chemistry Instructor, Big Bend Community College) - 509-793-2151 - johnp@bigbend.edu

View PDF of Job Posting: N/A

Careers

Job Openings

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

[Full-Time Math, Biology and Chemistry Faculty Position Openings \(Bellevue College\)](#)

Deadlines: See posting for details

Location: Bothell, WA

ACS PSS Posting Date: 12/31/2016 [Updated 02/01/2017]

Brief Description: 3 new full-time faculty positions are available:

Mathematics Instructor - 2 positions [OPEN NOW] – The first round of reading started January 4, however, it has been confirmed that we have two open positions, so we will review all applications received by the second read date of February 1

Chemistry Instructor [OPEN NOW]- Priority review date* - All applications received by February 5th will receive first consideration

Biology Instructor [OPEN NOW]

(*This is sort of a closing date – officially the position is "open until filled" however, applications received by the deadline are given priority. In the case of mathematics, we are reading in two “phases” regardless of the number of positions we are granted...)

View PDF of Job Posting: N/A

Careers

Job Openings

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

[SEM Technician – Research Associate II \(Western Washington University\)](#)

Deadlines: See job posting for details

Location: Bellingham, WA

ACS PSS Posting Date: 12/30/2016

Brief Description: This is a 50%, 12-month, professional staff position.

The Research Associate will assist, train, and supervise students, faculty, and other users in SEM, SEM-EDS, S/TEM, and related instrumentation. Perform and apply advanced SEM and S/TEM imaging, SEM-EDS microanalysis, and sample preparation techniques. Serve as technical consultant to faculty, students, and other investigators. Develop and apply new techniques or procedures applicable to research and teaching. Collaborate on research and teaching. Develop and pursue projects and proposals for external funding. Maintain and service SEM instrumentation and related equipment.

Required Qualifications:

- M.S. in chemistry, physics, materials science, biology, or a related field, or equivalent experience.
- Minimum 1 year experience operating SEM and SEM-EDS instrumentation.
- Demonstrated commitment to work effectively with a diverse group of students, faculty, staff and external partners.
- Strong record of effective teamwork and collaboration.
- Good oral and written communication skills.

Applications will only be accepted via Western Washington University's Job Application Management site. To view the full announcement and to apply, visit <https://jobs.wvu.edu/JobPosting.aspx?JPID=7348>

View PDF of Job Posting: N/A

Careers

Job Openings

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

[Program Rotators \(NSF Division of Chemistry\)](#)

Deadlines: N/A

Location: Arlington, Virginia

ACS PSS Posting Date: 12/01/2016

Brief Description: The NSF Division of Chemistry is seeking new program rotators. At this time, we are particularly interested in individuals with broad knowledge and demonstrated experience in inorganic and organic synthesis; catalysis (especially surface catalysis and/or heterogeneous catalysis); and nanochemistry with experience in surface analysis and reactivity. A starting date of fall 2017 is of interest, through earlier starts may be possible. Applications by the end of November are encouraged, but later applications may be considered as well (until the positions are filled). Nominations are also welcomed. More information about this opportunity can be found via <https://www.nsf.gov/pubs/2016/che16001/che16001.jsp?org=NSF>. We look forward to the addition of new, talented rotators to the division. More information and applications should be submitted to: CHE-recruit@nsf.gov.

View PDF of Job Posting: N/A

[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

Careers

Job Openings

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

Internships

King County Internships - <http://www.kingcounty.gov/audience/employees/careers/jobs.aspx>

2017 College Intern - Summer Season - - The Wastewater Treatment Division has identified the 2017 College Intern Opportunities. The job posting is currently active and will close on February 5, 2017 at 11:59 pm.

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

ACS Puget Sound - Executive Committee	
Chair	Karen Goodwin
Chair Elect	Leonard J. Andrews
Past Chair	Sheri Tonn
Secretary	Alex Stambor
Treasurer	Arwyn Smalley
Newsletter Editor	Jonathan Clark
Councilor - Position 1 (2017)	Mark Wicholas
Councilor - Position 2 (2018)	Gregory Milligan
Councilor - Position 3 (2019)	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 (2019)	Alicia Taylor
Alternate Councilor - Position 4 (2017)	Dharshi Bopegedera
Alternate Councilor - Position 5 (2018)	Nadine Gruhn

Other Outstanding Volunteers	
Awards Committee Chair	Carole Berg
Career Event Committee Chair	Dharshi Bopegedera
Communications Committee Chair	TBA
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	Charity Lovitt (For 2018 Pauling)
Long Range Planning Committee Chair	Sheri Tonn
National Chemistry Week Committee Chair	Roxanne Hulet
Nominating Committee Chair	Sheri Tonn
Program Committee Co-Chairs	Alicia Taylor and Leonard Andrews
Public Relations Committee Chair	TBA
Senior Chemists Committee	Despina Strong
Safety Committee	TBA
Sustainability Committee Chair	Charity Lovitt
Undergraduate Symposium Committee Chair	Charity Lovitt
Webmaster	Jonathan Clark
Women Chemists Committee Chair	Despina Strong
Younger Chemists Committee Chair	Alicia Taylor



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