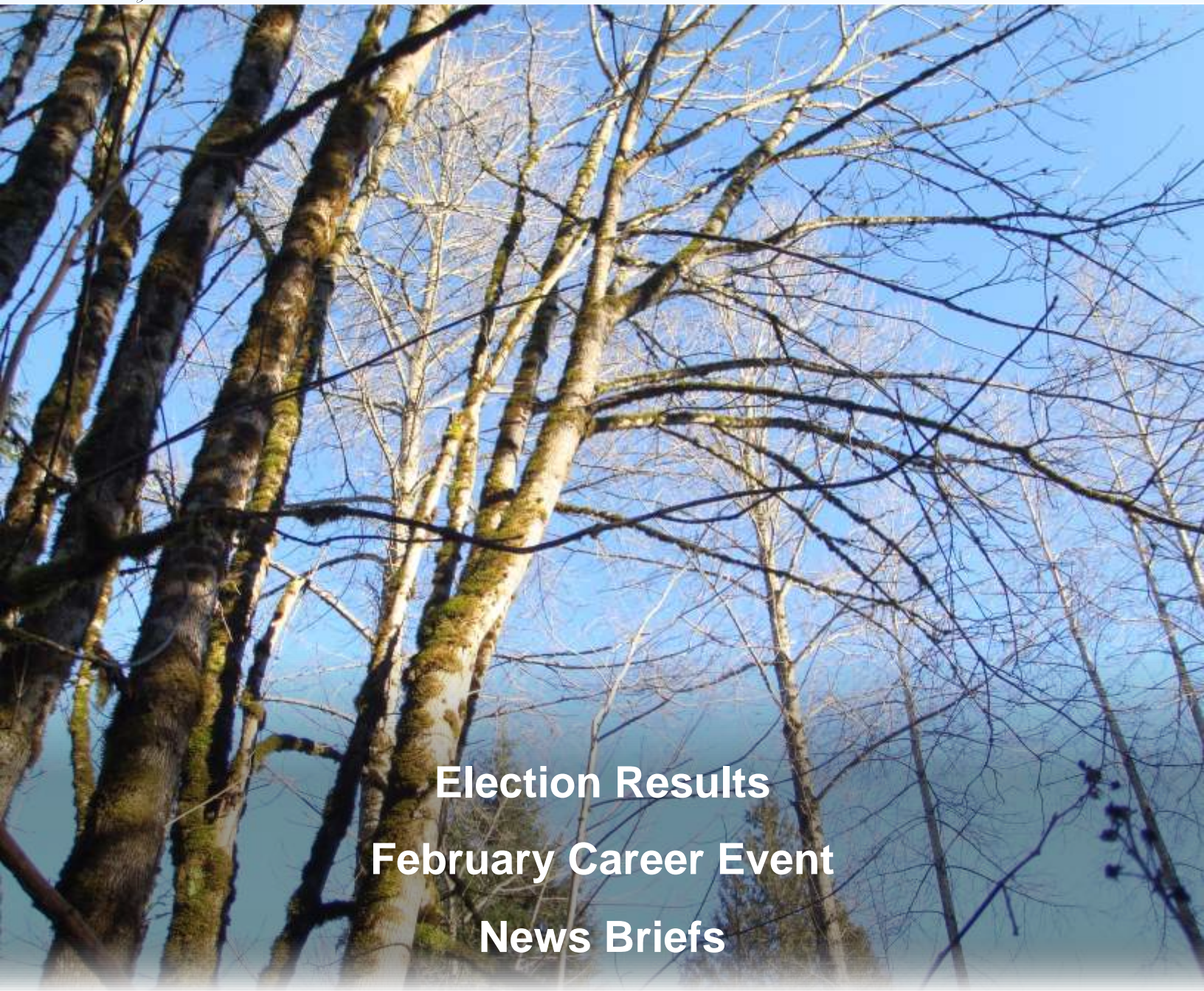


THE CHEMIST

New Year's Ambition

The Puget Sound Chemist

Volume 76 No. 1 - January 2015



Election Results
February Career Event
News Briefs



**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 email
correspondence to:

ACSPugetSound@gmail.com

Excitement at the gates!

Each new year grants you a clean slate. A new beginning. It is an easy time to consider what it really is that we want to strive for in the coming weeks and months. I've been busy at planning how and where I want to take the newsletter in the coming year. I want to integrate it with our website and other communication venues into a smoother, more streamlined communications toolkit. There are many events happening throughout our region and the newsletter is an important communication tool for our section. In addition to the newsletter, we have a website, a Facebook page, a mailing list and we meet with members and the general public face-to-face at section events as well. I want to make the newsletter's appearance become sharper and more professional. Mostly, however, I want to provide a greater quantity of higher quality and more relevant content via the newsletter and the other media outlets to the Puget Sound Section membership.

Upcoming events and important information can be found in the [News Briefs](#) section. The [Puget Sound ACS Election Results](#) are big news as well as the 2015 Local Section Outreach Volunteer of the Year Award that Clarita Bhat has won. There are several science cafés in various parts of our section this month. Check them out in the [Science Cafés](#) section. The YCC (Younger Chemists Committee) will meet on the third Thursday of the month (January 22nd) at the usual location (Specialty's Café and Bakery in U-Village). Details: [YCC page](#) See the [Calendar](#) in this newsletter or our [Website's Calendar](#) for further details on these and other events.

The [Career Event](#) in February is fast approaching. Register [Online](#) by **Feb 6th!**

Here's to a great 2015!



Jonathan Clark
Newsletter Editor

Contents

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



Calendar – January 2015

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

6 January 2015 - Queen Anne Science Café

Time: 7:30pm

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

12 January 2015 - Executive Committee Meeting

Time: 7:00pm – 8:15pm

Location: North Seattle Community College - 9600 College Way N, Seattle WA 98103
Room 2428C - South end of the 2nd floor of the Instruction Building (IB)

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

12 January 2015 - Eastside Science Café

Time: 7:00pm

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

13 January 2015 - Tacoma Science Café

Time: 6:30pm

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

13 January 2015 - Olympia Science Café

Time: 7:00pm

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

22 January 2015 - Younger Chemists Committee Meeting

Time: 6:30pm – 7:30pm

Location: Specialty's Café & Bakery in U-Village - 2690 NE Village Ln, Seattle, WA 98105

News Briefs

Puget Sound Section Election Results

2014 Election Results:

Position	Candidate	Paper	Online	Totals	Elected Person - Position
Chair	Cheryl Bick	11	217	228	Cheryl Bick - Chair
	Write In - "George Kriz"	0	1	1	
Chair-Elect	Sheri Tonn	11	218	229	Sheri Tonn - Chair Elect
	No Write Ins Submitted				
Secretary	Karen Goodwin	10	220	230	Karen Goodwin - Secretary
	No Write Ins Submitted				
Treasurer	Carole Berg	11	216	227	Carole Berg - Treasurer
	Write In - "Arwyn Smalley"	0	1	1	
Councilor Pos 1	Mark Wicholas	11	215	226	Mark Wicholas - Councilor Position 1
	No Write Ins Submitted				
Alt Councilor Pos 1	Jennie Mayer	11	214	225	Jennie Mayer - Alternate Councilor Position 1
	No Write Ins Submitted				
Councilor Pos 4	Gary Christian	11	216	227	Gary Christian - Councilor Position 4
	No Write Ins Submitted				
Alt Councilor Pos 4	Dharshi Bopegedera	11	216	227	Dharshi Bopegedera - Alternate Councilor Position 4
	No Write Ins Submitted				

12	228	240	Total Number of Voters
		13%	Voter Turnout (percentage of total membership)

Nominating Committee: Nick Milanovich (Committee Chair), Despina Strong and Robbyn Perdue-Anand.

Please direct your questions regarding the election process and the offices up for election to Nick Milanovich at elections@pugetsound.sites.acs.org

News Briefs

Puget Sound Section Election Candidate Bios



Elected for Chair

Cheryl Bick has a diverse background of working for U.S.D.A. in the chemistry lab, at Washington State University as an instructor in the Environmental Science Program, private restaurant owner, and several roles in the Boeing Company. In her almost thirteen years at Boeing she has been an air quality specialist in Environmental Control Systems, a class and event designer and instructor as a Program Manager in the Ed Wells Program, and she currently analyzes a variety of materials and air quality in the Materials and Process Technology group. She has had a unique opportunity to work with various groups at Boeing and several geographical locations while doing short assignments in LEAN. She has volunteered for multiple roles in Boeing activities such as A World in Motion, Building Safety Focal, Spirit of the Holidays, Imagine Tomorrow and Boeing Education Day. She also volunteers as the leader of Community of Practice Squared, a unique and wonderful group of CoP leaders and participants from all over the company. She admits that before working at Boeing she was more interested in model trains, but it didn't take long for her to grow a passion for all aspects of airplanes. Current roles: Steering Team Leader for Enterprise CoE-CoP Steering Committee, Washington State University--Boeing research focal. Technical Principal Process Committee member.



Elected for Chair-Elect

Sheri Tonn is a Professor of Chemistry at Pacific Lutheran University where she has been on the faculty since 1979. She just completed fifteen years as vice president of finance and operations, and has begun a yearlong sabbatical. She has taught environmental chemistry, instrumental methods courses and biochemistry and in the integrated studies core curriculum and participated in the university's interdisciplinary Environmental Studies Program. Past involvement in the Puget Sound Section includes service as local section chair, alternate councilor and councilor. She looks forward to reconnecting with the local section. Sheri is particularly interested in hazardous chemicals and contamination of water, and in laboratory safety. For a number of years Sheri and retired high school teacher Douglas Mandt offered summer laboratory safety courses, often with financial assistance from the local section and from WSTA. She has been involved in several environmental and sustainability committees and boards at the national, state and local levels, including hazardous waste advisory committees, groundwater committees, and Superfund citizen's advisory committees. She earned her B.S. in chemistry at Oregon State University, and her Ph.D. in chemistry from Northwestern University. When not working, she is active in a variety of water sports, including SCUBA diving and underwater photography, canoeing and sailing.

News Briefs



Elected for Secretary

Karen Goodwin is an Assistant Professor of Chemistry at Centralia College in Centralia, WA, where she has taught for the last two years. She teaches the majors organic sequence and organic/biochem for allied health students, as well as the first and second quarters of the general chemistry sequence. Karen earned her Bachelor's of Science (Cum Laude, 2007) and Master's degree (2009) in Chemistry from California State University, Sacramento. Prior to accepting the job at Centralia, she worked as an adjunct at several community colleges and at the university in Sacramento. Karen has been a member of ACS for 5 years, and was a student affiliate in the years prior to earning her degree. Her research interests are focused in Green Chemistry, specifically in adapting traditional laboratory methods to greener alternatives while maintaining their purpose as teaching tools.



Elected for Treasurer

Carole Berg has taught College Chemistry and Microbiology courses at Green River Community College, Bellevue College and the University of Washington for the past 45 years. She also performs a one-woman show on the life of Madame Curie for many different venues. She is the organist for the First Methodist Church of Renton and plays bridge in a couples club with her husband of 48 years. Carole has been the chair-elect, chair, past-chair, alternate councilor, editor of the Chemist and currently the treasurer for the Puget Sound Chapter. She truly enjoys working with the talented members of the executive board and would like to continue helping the section in the position of treasurer.



Elected for Councilor Position #1

Mark Wicholas received a Ph.D. in inorganic chemistry at the University of Illinois, Urbana in 1967 and taught in the chemistry department at Western Washington University for 40 years where he had an active research program involving undergraduate and MS students. He served as chemistry department chair for 25 years and retired in 2007 as Professor Emeritus. While at WWU he was General Chair of the Northwest Regional ACS Meeting in 1986 and Award Chair of the Pauling Medal Award Symposium in 1992. He joined ACS in 1962 and has been a Councilor representing the Puget Sound Section since 1989. As Councilor he has served on three national committees and currently is a member of the ACS National Meetings and Exposition Committee.

News Briefs



Elected for Councilor Position #4

Gary Christian grew up in rural Noti, Oregon, attended the University of Oregon, and then the University of Maryland, where he received his Ph.D. degree. He worked at Walter Reed Army Institute of Research in Washington, DC for six years, and then the University of Kentucky for 5 years, before joining the University of Washington in 1972. He served as Divisional Dean of Sciences for 9 years, and is now Emeritus Professor of Chemistry. He has been a member of ACS for 53 years, and is an ACS Fellow, and was an ACS tour speaker. He has been Chair, Alternate Councilor, and Councilor of the Puget Sound Section, and was Chair of the Linus Pauling Award. He enjoys his continued activities in ACS. He has been Editor-in-Chief of the analytical chemistry journal, *Talanta*, since 1989, and his Analytical Chemistry textbook is now in its 7th edition. He and his wife, Sue, live in Medina, where they enjoy their granddaughters, Tanya and Taffy, who they have raised for the past 20 years.



Elected for Alternate Councilor Position #1

Jennie Mayer is a chemistry instructor at Bellevue College, where she enjoys teaching all levels of chemistry, from introductory to organic. She believes in making chemistry fun and accessible, in the classroom and also in the community. She has served as a volunteer at her college for science open houses, science camps, and also for the ACS section at the local Science Expo Day at the Pacific Science Center. She has served as an alternate councilor since 2009 and attended several national meetings on behalf of the Puget Sound local section. Her current interests are in chemical education (active learning) and promoting undergraduate research at the community college level. She has been an ACS member since 2000, and she looks forward to continuing her service to the local section.



Elected for Alternate Councilor Position #4

Dharshi Bopegedera is a physical chemistry professor at The Evergreen State College where she has taught for the past 23 years. She has served in multiple capacities in the Executive Committee in the Puget Sound Section of the ACS for 10 years. Serving the needs of students is her passion. The Annual Career Event of the Puget Sound Section of the ACS, which she organizes for the benefit of students, reflects this commitment. She enjoys working with colleagues from across the State on educational projects and issues that are of mutual interest as well as developing laboratory experiments that provide rich learning experiences for students.

News Briefs

Volunteer of the Year Award!!

Clarita Bhat has received recognition as the 2015 Local Section Outreach Volunteer of the Year. The award is given to one individual annually from each local section for demonstrating extraordinary outreach volunteer service within the section. Clarita was nominated on behalf of the section for her 20+ years of outstanding leadership as the chair of the Education Committee and for her role in significantly expanding the Chemistry Olympiad in 2014. Thank you Clarita for everything that you have done with and for the Puget Sound Section!! This is a well-deserved honor!

New Education Committee Forms

The Education Committee has prepared updated forms and is accepting nominations for the High School Teacher of the Year Award and for Scholarship applications. View information about these awards on the website at:

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

Applications for K-12 grants are accepted year round. Nominations for the High School Teacher of the Year Award are due by **April 15th, 2015**.

Science Cafés

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

Queen Anne Science Café

"Patient Centered Outcomes Research: How You Can Advance Science By Participating In Research"

Tuesday, 6 January, 2015 - 7:30pm - [T.S. McHugh's](#)

The Patient Centered Outcomes Research Initiative (PCORI) is a U.S. non-government institute, created as part of the Affordable Care Act, to enhance high impact patient centered research (www.pcori.org). The purpose of PCORI is to help the public and caregivers make informed health decisions and allow their voices to be heard in determining the value of health care options. PCORI helps direct research dollars to areas that are important to patients, and helps us all answer important questions about our health. This talk with Cynthia M. Dougherty, ARNP, Ph.D. UW, School of Nursing will focus on how each person can become more involved in impacting their own health by participating in important research and patient advisory groups that support PCORI.

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

Eastside Science Café

"Interprofessional Collaboration: Working Together To Improve Patient Safety"

Monday, 12 January, 2015 - 7:00pm - [Wilde Rover](#)

High functioning healthcare teams produce better patient outcomes at a more efficient cost; however, health professional students (e.g. nurses, physicians, pharmacists) are currently educated and trained without the opportunity to practice as a member of a team. This talk with Brenda K Zierler, Ph.D., RN UW, School of Nursing will discuss national initiatives requiring a different approach to educate health professionals, competencies they must meet prior to graduation, and the rationale for team-based care. Local examples of how UW students are being trained differently will be presented.

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

Tacoma Science Café

"Ancient Cities And Archaeological Science: A Lost City In Mexico"

Tuesday, 13 January, 2015 - 6:30pm - [Swiss Restaurant & Pub](#)

The discovery of a previously unknown city can be exciting, especially in a place like Mesoamerica where ancient peoples built pyramids and ball courts. But what really happens when archaeologists find "lost" cities? Discover some of the new techniques that scientists are using to study Angamuco, an ancient city in Michoacan, Mexico. With Anna Cohen, University of Washington.

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

Science Cafés

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

Olympia Science Café

"The Shades of White and the Birth of Blue"

Tuesday, 13 January, 2015 - 7:00pm - [Orca Books](#)

Modern color terms flow from the Blacksmith's forge, Newton's prisms, 17 Century Art, and movies like the 1939 "Gone With The Wind". We will follow the trails of human perception and scientific measurement of light as they converge into daily used terms for selecting LED light bulbs. The first practical diodes that generated radiation came in 1953. We at Pacific Mercury Television saw the possibility, of using IR LEDs to activate remote control volume and change channels. Costs would be high, and color television took priority. These hands on (eyes on) experiences will start our trek thought the development of colored LEDs, and solve the "450 Lumens vs 800 Lumens" reading lamp. We will also examine the implications of the psychological perception of light and color and Dr. Mariana Figueiro's recent paper The Light Therapeutic ("Most of us assume this is just part of getting old. Not Figueiro. She reckons more exposure to bright light by day could help keep the doctor away.")

Ralph Dodds has a degree in engineering/Electronics from Calif. State Univ-Los Angeles with further training in patent and purchasing law, operations research, and education. Over his career, he has worked in a variety of areas of engineering from circuits and hardware design, to project management and patent issues. Now retired and living with his wife, Beatty, in Panorama, he still tries to keep up with trends in science and technology.

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

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 Information

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

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

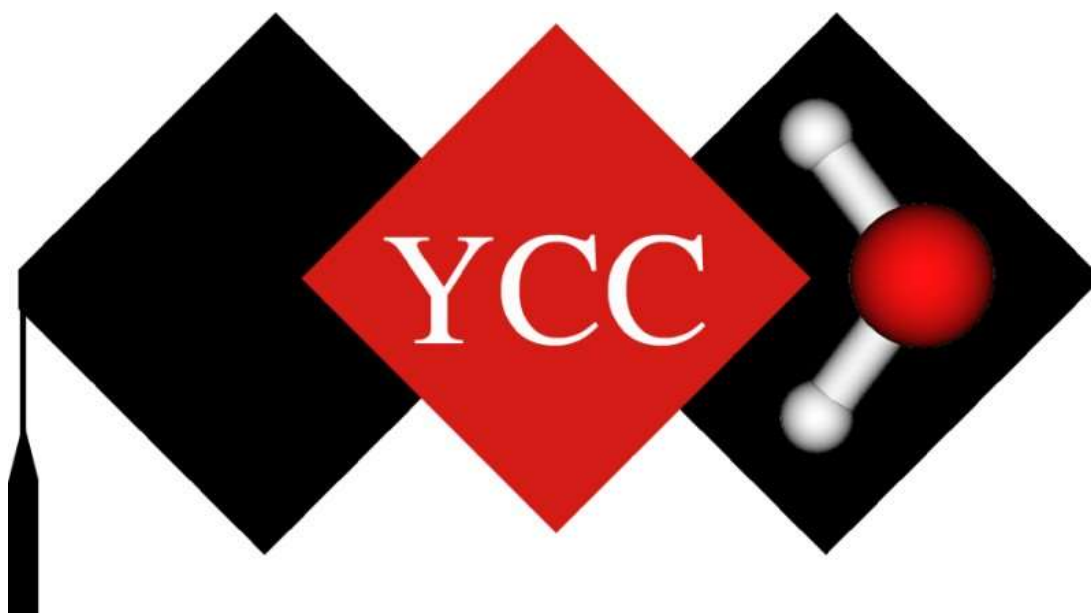
Next YCC Meeting

Thursday, January 22nd, 2015 (6:30pm – 7:30pm)

Specialty's Café and Bakery in U-Village

Address: 2690 NE Village Ln, Seattle, WA 98105

Topics: Planning 2015 Events



Mark Your Calendar

2015 Career Event – “Careers in Chemistry”

- Emphasizing Solutions to Health Challenges in WA State -

February 11th, 2015 from 1:00pm - 5:00pm
W. R. Giedt Department of Health Laboratories
1610 NE 150th Street, Shoreline, WA 98155

Key note speaker: Dr. Romesh Gautom
(Laboratory Director, Department of Health Laboratories)

Recommended for all undergraduate science students.

Free admission and open to all.

Space is limited and registration is required.

Register at: <http://pugetsound.sites.acs.org/careerevent2015.htm>

Participants are required to register by **February 6th, 2015** in order to attend this event.

You must bring photo ID to this event.

For more information, contact Dharshi at:
bopegedd@evergreen.edu or (360) 867-6620

REGISTER NOW

Careers

Job Openings

Job Opening – [Cascadia College](#) – Tenure-Track Faculty - Chemistry - Full Time

Cascadia College is currently seeking an innovative, collaborative and dynamic individual for a full time Chemistry position. Faculty will teach and assess students as well as develop courses in Chemistry. The faculty will contribute to the implementation and enhancement of Cascadia's curriculum and course of study in Chemistry, including refining the articulation of Cascadia's Chemistry curriculum with baccalaureate institutions. Duties will include advising students and collaborating with the local community and other colleges/universities to create a rich variety of educational experiences and opportunities for students related to Chemistry.

Further information on how to apply and the qualifications required, applicants are invited to visit the Cascadia website at: <http://www.cascadia.edu/discover/about/jobs/default.aspx>

Job Opening – [American Chemical Society](#) – Sr. Education Program Manager

ACS is now seeking candidates for a Senior Program Manager position, which will be responsible for developing, managing, and implementing the ACS professional development activities for faculty at institutions of higher education. This is a new position that has grown out of discussions on how ACS can best support faculty at two- and four-year institutions in their professional growth. It is located at ACS headquarters in Washington, DC, and will be part of the Department of Higher Education in the Education Division.

More information can be found in the [position description](#). If you are interested, you can apply [online](#), or direct any questions to Nancy Bakowski (n_bakowski@acs.org, 1-800-227-5558, ext. 6166).

Internships

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

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

ACS Job and Career Resources

Career Resources - <http://www.acs.org/content/acs/en/careers.html>

Employment Dashboard - <http://www.acs.org/content/acs/en/careers/salaries/dashboard.html>

Job Postings - <http://chemistryjobs.acs.org/jobs>

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

ACS Resources

Online Resources for all ACS members

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

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

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

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

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

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

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

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

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

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

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

National Chemistry Olympiads -

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

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

SCI Scholars Internships -

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

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

Get Involved - www.acs.org/getinvolved

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

Online Resources for the Puget Sound Section!

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

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

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

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

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

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

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

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

To subscribe to the section email list, visit: <http://www.chem.plu.edu/mailman/listinfo/pss-ac>

Roster

ACS Puget Sound - Executive Committee

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

Other Outstanding Volunteers

Career Day Committee Chair	Dharshi Bopegedera
Communications Director	Nick Milanovich
Earth Day Committee Chair	Dharshi Bopegedera
Education Committee Chair	Clarita Bhat
Finance Committee Chair	David Munch
Fundraising Committee Chair	Nick Milanovich
Linus Pauling Award Committee Chair	David Patrick
Long Range Planning Committee Chair	Despina Strong
National Chemistry Week Committee Chair	Dharshi Bopegedera
Nominating Committee Chair	Nick Milanovich
Public Relations Committee Chair	Neal Yakelis
Social Events Committee Chair	Carole Berg
Sustainability Committee Chair	Charity Lovitt
Undergraduate Symposium Committee Chair	Craig Fryhle
Webmaster	Jonathan Clark
Women Chemists Committee Chair	Robbyn Perdue-Anand
Younger Chemists Committee Chair	Jonathan Clark





ACS
Chemistry for Life[®]