

# THE CHEMIST

Brewery Tour

*The Puget Sound Chemist*

Volume 78 No. 3 - March 2017



**Brewery Tour:** March 11<sup>th</sup>



**ACS**  
Chemistry for Life<sup>®</sup>

Newsletter of the Puget Sound Section  
of the American Chemical Society

# From the Editor



## THE PUGET SOUND CHEMIST

Newsletter of the  
Puget Sound Section  
of the  
American Chemical Society

American Chemical Society Website

<http://acs.org>

Puget Sound Section Website

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

Please address general email  
correspondence to:

[info@pugetsound.sites.acs.org](mailto:info@pugetsound.sites.acs.org)

### March has come!

We have a great tour planned of the Fish Tale Brewery in Olympia, WA. Make sure to RSVP. See the details on [page 4](#).

There is a training opportunity in Reducing Chemical Hazards. See [page 5](#) for details.

Registration for the Undergraduate Research Symposium (URS) is now open! The URS will happen April 29th, 2017. See further details on the [website](#) and in the [Mark Your Calendar](#) section of this newsletter.

Cheers!



*Jonathan Clark*

Newsletter Editor

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# Calendar – March 2017

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

## **11 March 2017 – Tour of The Fish Brewery**

Time: First tour at 1:00pm

Location: 515 Jefferson St SE, Olympia, WA 98501

## **13 March 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 2<sup>nd</sup> floor of the Instruction Building (IB)

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

## **21 March 2017 – Olympia Science Café**

Time: 7:00pm

Location: Rm110 (Harned Hall) Saint Martin's University - Old Main, 5000 Abbey Way SE, Lacey, WA

## **15 March 2017 – Reducing Chemical Hazards: The First Move**

Time: See details – Page 5

Location: Seattle, WA

**Puget Sound Section**

# News Briefs

## Tour of Fish Tale Brewery in Olympia, WA



You are cordially invited to tour the brewery at The Fish Brewing Company!

Saturday, March 11th, 2017

First tour at 1:00 pm

Meet outside the brewpub

The Fish Tale Brewery

515 Jefferson St SE, Olympia, WA 98501

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

Tour is free of charge!

Plan to stay and have a pint, a bite to eat, and to socialize after the tour.

(food and drinks on your own)

**Please RSVP** to Karen Goodwin at [karen.goodwin@centralia.edu](mailto:karen.goodwin@centralia.edu)

Come and meet your Chemistry friends!

Sponsored by the Puget Sound Section of the ACS

# News Briefs

## Green Chemistry and Safer Alternative Trainings



### Reducing Chemical Hazards: The First Move.

Flyer is [here](#)

It is crucial to make informed decisions when choosing chemicals in products, processes, and supply chains. Companies striving to easily identify hazardous chemicals when making chemical management decisions can now make a first move using the GreenScreen® List Translator. This automated tool helps you understand known impacts of chemicals on human health and the environment and categorize which chemicals to avoid when purchasing and designing.

Join the training to...

- Understand the value of chemical hazard assessments and related tools and resources.
- Define *GreenScreen® List Translator* origins, methods, strengths, and limitations.
- Obtain *GreenScreen® List Translator* results for chemicals of interest using automated databases.
- Use this tool to inform chemicals management and sustainability decisions and prioritize action.



**March 15<sup>th</sup>- Seattle, WA**

**June 6<sup>th</sup>- Portland, OR**

**\$49 early bird/\$69**

**Space is limited! Register today:**

<http://bit.ly/2jFpzVW> (March 15<sup>th</sup>) Early bird ends February 15<sup>th</sup>!

<http://bit.ly/2je8Yw0> (June 6<sup>th</sup>) Early bird ends May 6<sup>th</sup>!

**The Jean Dreyfus Lectureship at Puget Sound**

# 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!



## Heroes of Chemistry

[Heroes 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](mailto: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 15<sup>th</sup>, 2017 for most scholarships. The application deadline for the High School Teacher of the Year Award is April 30<sup>th</sup>, 2017.

The application forms are available on the website:

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

**Application Deadline: March 15<sup>th</sup>, 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 1<sup>st</sup>, 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>

## Olympia Science Café

**"Comparing the Environmental Impact of Common Household Items. What Life Cycle Assessments Tell Us About the Sustainability of the Products We Use Every Day"**

**Tuesday, 14 March, 2017 - 7:00pm – [Room 110, Harned Hall, Saint Martin's University](#)**

- **Saint Martin's University is located at Old Main, 5000 Abbey Way SE, Lacey, WA 98503.**

Dr. David Tyler, Charles J. and M. Monteith Jacobs Professor of Chemistry, University of Oregon

Every day we are confronted with choices that impact our environment: Local or shipped produce? Incandescent bulb, compact fluorescent light, or LED? Paper, plastic, or reusable tote bag? Disposable plastic cup or reusable ceramic mug? Biodiesel, gasohol, or gasoline? Recycling or incineration? Paper towels or warm-air hand dryer? How do we really know what's best for the environment? Learn more about how we use life cycle assessments to evaluate the environmental impacts of common household items and the ordinary activities we carry out daily. Warning: your intuition about environmental impacts is not always right!

David R. Tyler is part of the pioneering green chemistry group at the University of Oregon. He received Bachelor of Science degrees in chemistry and mathematics from Purdue University and a Ph.D. degree from the California Institute of Technology. He has been at the University of Oregon since 1985.

Tyler's current research interests are in photochemically degradable plastics, the development of greener catalysts, and photochemistry. He has absolutely no interest in administration, having served as department head from 1995-1998. Tyler is the author of over 240 research publications, and he has patents on a type of photodegradable plastic and on a method for removing sulfur from diesel fuel. In collaboration with his colleagues, he has developed a popular course for non-science majors on the chemistry of sustainability.

# 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>



# Mark Your Calendar

## 253rd ACS National Meeting & Exposition

Advanced Materials, Technologies, Systems & Processes



APRIL 2 - 6, 2017 | SAN FRANCISCO, CA

[Register Here](#)

# Mark Your Calendar

## 2017 Undergraduate Research Symposium

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

Saturday, April 29<sup>th</sup>, 2017 at UW Bothell  
18115 Campus Way NE, Bothell, WA 98011

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

**American Chemical Society  
Puget Sound Section**



**Undergraduate Research  
Symposium** Saturday  
April 29<sup>th</sup>  
2017



**ACS**  
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The 33<sup>rd</sup> 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 31<sup>st</sup>  
<http://pugetsound.sites.acs.org/urregistrationform.htm>  
Questions regarding registration can be addressed to Dr. Peter Anderson  
[pca4@uw.edu](mailto:pca4@uw.edu)



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# Mark Your Calendar

## Chemistry Tournament at Washington University



**Missouri's Washington University will host its 2<sup>nd</sup> 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](http://www.norm17.org)



**72nd Annual Northwest Regional Meeting**  
**June 25-28, 2017**  
Oregon State University | Corvallis, OR  
[norm17.org](http://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](http://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](mailto:claritabaht@yahoo.com) or [cbhat@shoreline.edu](mailto: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.

# Mark Your Calendar

## 2017 NSF-sponsored cCWCS curriculum and pedagogy workshops

Dear Colleague:

It is a pleasure to announce the 2017 schedule of NSF-sponsored *Chemistry Collaborations, Workshops and Community of Scholars (cCWCS)* workshops. Attendance at the workshops is **FREE**. These workshops (below) provide a background and modern perspectives on a variety of topics in the chemical sciences, along with methods to introduce them into the college curriculum. The workshop series has a long history of engaging faculty in new areas and providing support for curriculum revision. More information (dates, locations, descriptions) and the online application are available at: [www.ccwcs.org/upcomingworkshops](http://www.ccwcs.org/upcomingworkshops)

### 2017 workshops

*Materials Science & Nanotechnology*  
*Mitochondrial Genetics & Physiology*  
*Distance Learning & Hybrid Teaching*  
*iPads in the Chemistry Curriculum*  
*Forensic Science*  
*Medicinal Plants*  
*Art as Context for General Chemistry*  
*Active Learning in Organic Chemistry*  
*Chemistry in Art (advanced workshop)*

Apply to attend at:

[www.ccwcs.org/upcomingworkshops](http://www.ccwcs.org/upcomingworkshops)

cCWCS workshops are open to faculty, instructional staff and laboratory coordinators at two-year and four-year colleges, and at universities. Registration, accommodations, and a per diem for food are provided at no cost to participants (travel to and from the workshop site is the responsibility of the participant or their institution, although some travel funds might be available for faculty at two-year colleges).

We hope that you will consider attending one of the workshops and that you will also bring this program to the attention of your colleagues. *Early application is strongly encouraged since some of the workshops will fill quickly.*

With best regards from the cCWCS leadership team,

David M. Collard, Georgia Tech  
Pat Hill, Millersville University  
Lawrence J. Kaplan, Williams College  
J.C. Smith, Georgia State University



# Careers

## Job Openings

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

### **Adjunct Instructors to teach double section of Chemistry 161 ([Highline Community College](#))**

Deadlines: N/A

Location: Des Moines, WA

ACS PSS Posting Date: 03/01/2017

Highline College is looking for adjunct instructors to teach a double section of chemistry 161 as listed below. Classes start on April 3. Please have anyone interested contact me at [mnguyen@highline.edu](mailto:mnguyen@highline.edu)

Thanks! - Marie

Chem 161

29-216 - Th - 9:00-10:50 am

29-216 - WF - 9:00-9:50 am

29-305 - M Lab - 9:00-10:50 am

Chem 161

29-216 - WF - 9:00-9:50 am

29-216 - Th - 9:00-10:50 am

29-305 - T Lab - 9:00-10:50 am

View PDF of Job Posting: N/A

### **[Full-time position in Chemistry \(Linn-Benton Community College\)](#)**

Deadlines: See posting for details

Location: Albany, OR

ACS PSS Posting Date: 03/01/2017

Brief Description: Linn-Benton Community College in Albany, Oregon is currently hiring for a full-time position in Chemistry. Please do not hesitate to contact Marci Moling ([molingm@linnbenton.edu](mailto:molingm@linnbenton.edu)) with any questions.

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

<b>ACS Puget Sound - Executive Committee</b>	
<b>Chair</b>	Karen Goodwin
<b>Chair Elect</b>	Leonard J. Andrews
<b>Past Chair</b>	Sheri Tonn
<b>Secretary</b>	Alex Stambor
<b>Treasurer</b>	Arwyn Smalley
<b>Newsletter Editor</b>	Jonathan Clark
<b>Councilor - Position 1 (2017)</b>	Mark Wicholas
<b>Councilor - Position 2 (2018)</b>	Gregory Milligan
<b>Councilor - Position 3 (2019)</b>	Craig Fryhle
<b>Councilor - Position 4 (2017)</b>	Gary Christian
<b>Councilor - Position 5 (2018)</b>	Despina Strong
<b>Alternate Councilor - Position 1 (2017)</b>	TBA
<b>Alternate Councilor - Position 2 (2018)</b>	Amar Yahiaoui
<b>Alternate Councilor - Position 3 (2019)</b>	Alicia Taylor
<b>Alternate Councilor - Position 4 (2017)</b>	Dharshi Bopegedera
<b>Alternate Councilor - Position 5 (2018)</b>	Nadine Gruhn

<b>Other Outstanding Volunteers</b>	
<b>Awards Committee Chair</b>	Carole Berg
<b>Career Event Committee Chair</b>	Dharshi Bopegedera
<b>Communications Committee Chair</b>	TBA
<b>Earth Day Committee Chair</b>	Karen Goodwin
<b>Education Committee Chair</b>	Despina Strong
<b>Finance Committee Chair</b>	David Munch
<b>Hospitality Committee Chair</b>	Carole Berg
<b>Linus Pauling Award Committee Chair</b>	Charity Lovitt (For 2018 Pauling)
<b>Long Range Planning Committee Chair</b>	Sheri Tonn
<b>National Chemistry Week Committee Chair</b>	Roxanne Hulet
<b>Nominating Committee Chair</b>	Sheri Tonn
<b>Program Committee Co-Chairs</b>	Alicia Taylor and Leonard Andrews
<b>Public Relations Committee Chair</b>	TBA
<b>Senior Chemists Committee</b>	Despina Strong
<b>Safety Committee</b>	TBA
<b>Sustainability Committee Chair</b>	Charity Lovitt
<b>Undergraduate Symposium Committee Chair</b>	Charity Lovitt
<b>Webmaster</b>	Jonathan Clark
<b>Women Chemists Committee Chair</b>	Despina Strong
<b>Younger Chemists Committee Chair</b>	Alicia Taylor



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