

FROM VINE TO *Wine*



wine making & tasting event

Hosted by Juan Muñoz Oca, Head Winemaker at Columbia Crest Winery, Patterson, WA

WHO:

Open to all ACS members & spouses over 21

WHEN: August 31, 2pm

WHERE: Columbia Crest Winery

LIMITED SPACE: 30 guests only

RSVP TO RESERVE YOUR SPOT:

Dave Heldebrant david.heldebrant@pnnl.gov
or call (509) 372-6359



Juan Muñoz Oca, Head Winemaker at Columbia Crest Winery, is from Mendoza, Argentina, and learned under the tutelage of his grandfather, cellar master at Bodegas Toso winery.

“I’ve been involved with grapes since I was a little boy – my grandfather was in the industry and his father was in the industry – it’s all I’ve known,” says Muñoz Oca. “Winemaking has been in my family, it’s in my blood, it’s what I do, and it’s who I am.”

Muñoz Oca gained wine industry experience during stints at various wineries in Argentina. After graduating with honors from Argentina’s National University of Cuyo with dual degrees in agricultural engineering and winemaking, he studied viticulture in Ribera del Duero, Spain and joined the winemaking team at Terrazas de los Andes, an Argentine premium winery owned by Chandon.

A meeting with the legendary Dr. Robert Wample, then a top viticulturalist at Washington State University convinced him to head north to Washington. In the summer of 2001, he began interning with the viticulture team at Ste. Michelle Wine Estates, and in 2003 began working at Columbia Crest. With time out for stints at Bleasdale Vineyards in Australia and Bordeaux’s Chateau Puy Guilhem, he’s been at Columbia Crest ever since.

“Washington State is a very special place to grow grapes for many reasons,” says Muñoz Oca. “The perfect grape-growing climate, the best viticultural practices, and people committed to crafting the best bottle of wine vintage after vintage is what Columbia Crest’s winemaking is all about. My time in Washington has been the most meaningful to me, I fell in love with the wine and the people, and that’s why I’ve been here since.”

Columbia Crest Winery is the largest wine-making operation in North America!

ACS PROFESSIONAL DEVELOPMENT

ACS Leadership Development System Course, *Fostering Innovation* to be Offered for Richland Local Section

Today, keeping pace in an environment of constant change requires continuous innovation. Whether you are in a non-profit, business or academic environment, the ability to contribute to the creation of new ideas, new processes, and new approaches is an important key to personal and organizational success. Yet coming up with new ideas is challenging and few of us have the tools and skills to do this effectively. The ACS Leadership Development System course, *Fostering Innovation* teaches a proven, systematic process to generate ideas. In the course, you will gain understanding and tools to help you tap into your own innovation style and learn how to stimulate innovative thinking among team members and colleagues.

This course is being offered exclusively to members of the Richland Local Section by an ACS LEADERSHIP DEVELOPMENT SYSTEM™ grant sponsored by the ACS Committee on Local Section Activities.

In this four-hour interactive course you will learn that innovation doesn't happen by chance, but can be managed. The understanding and tools you acquire will help you learn about your own innovation style and others'. You will learn:

- *The barriers to innovation and how to manage them*
- *The different ways in which people are innovative*
- *Four approaches to generating ideas*
- *How to stimulate innovative thinking, challenge traditional approaches and encourage diverse perspectives*

WHAT: Fostering Innovation

WHEN: Saturday, September 8, 2012
9 a.m. - 1 p.m.

WHERE: WSU-Tri-Cities

COST: Fee Waived for first 20 members to register—then \$150 per participant

ENROLLMENT IS LIMITED TO 24: Sign up early to secure your spot

REGISTER: leaders@acs.org

Who Should Attend This Workshop?

This workshop is valuable to everyone who needs to increase their innovative thinking, ideas, and approaches to move a project or team forward. This is valuable in your professional, school, or volunteer role both to use personally and as a leader responsible for helping teams make changes and create new ideas. If you wish to take the course please contact leaders@acs.org.



NANO-PARTICLE SCIENCE CAFE

Dr. Satish Nune of PNNL's Energy and Environment Directorate presented "Enabling Role of Nanomaterials: Medicine to Energy Storage" at the Science Café held May 31 at the Eastern Oregon University Campus, La Grande. Nune spoke to a packed house of students and faculty (over 100!). The students were engaged and asked excellent follow-up questions. He was hosted Professors Anna Cavinato and Richard Hermens.

Satish Nune with Anna Cavinato at the Science Cafe

ACS AWARD FOR EXCELLENCE IN HIGH SCHOOL TEACHING

Congratulations to Kennewick HS Science Teacher Marianne Feller

Marianne Feller received the Award for Excellence in High School Teaching from the American Chemical Society's division of chemical education awards. Feller received a plaque and \$1,000 in cash at the 67th ACS Northwest Regional Meeting (NORM 2012) awards banquet held in Boise, ID. This award is intended to recognize, encourage, and stimulate outstanding teachers of high school chemistry in the Northwest Region.

The Northwest Region of the ACS consists of the following Local Sections: Alaska, Central Utah, Hawaii, Idaho, Inland Northwest, Montana, Oregon, Portland, Puget Sound, Richland, Salt Lake, Sierra Nevada, Snake River, Washington-Idaho Border and Wyoming.

ELEMENTARY KIDS SOAK UP WATER CHEMISTRY

What a busy spring for the Eastern Oregon University (EOU) chemistry club! Club members continued to hold several water testing activities connected to the International Year of Chemistry (IYC) Global Water Project.

Water testing was conducted with the LaMotte "Green" Water Quality kits (sponsored by the Division of Analytical Chemistry). The EOU students, led by Anna Cavinato, worked with 28 fifth graders from Island City Elementary School, Island City, OR (near La Grande). Activities were conducted on the EOU campus on April 28 that included testing tap water as well as water samples from ponds and the Grande Ronde River.

On May 4, the club participated in a watershed day at Ladd Marsh for the Grande Ronde Academy, La Grande, OR working with 30 children in grades 4 through 8. On May 18, they joined 30 fifth graders from Central Elementary (La Grande, OR) on a field trip at Morgan Lake near La Grande.

In all cases the elementary school students were able to take water samples from the surrounding area and test for water qualities such as pH, dissolved oxygen, turbidity, and presence of phosphates and nitrates.

The children were very enthusiastic of these activities and sent EOU very nice thank you notes!



CONGRATUALTIONS TO OUR NEWEST ACS FELLOWS



Charles Peden

Congratulations to 2012 Richland Section ACS Fellows **Richard Hermens** (*councilor ACS Richland Section, La Grande*), **Chuck Peden** (*PNNL*) and **Morris Bullock** (*PNNL*). They represent three of the 96 total Fellows awarded this year. These distinguished scientists are recognized and honored for their significant contributions to science and for providing excellent service to the ACS Community.



Morris Bullock

Nominees for ACS Fellow must be current members in good standing with the American Chemical Society. The selection of ACS Fellows is based on documented excellence and leadership in BOTH of two areas: (1) science, the profession, education, and/or management, AND (2) volunteer service in the ACS Community. Nomination documents must address BOTH of these areas. See ACS Fellow Nominations for more information.



Richard Hermens

Thanks to Janet Bryant for all the work in putting these nominations together!

SPARKLE WORKSHOP

Sandy Fiskum, co-Public Relations chair, attended the **ACS Sparkle Workshop** at the ACS headquarters in Washington DC on April 27-29, 2012. About 30 ACS Public Relations Chairs from across the nation attended this event. All participants were well entertained and the training was very productive in how to generate media coverage.

Participants attend workshops on various subjects such as how to interact with reporters, how to write press releases for media, and how to access the ACS Network.

Fiskum stated, "It was fantastic to meet fellow ACS members in this informal but informative environment. The activities were engaging and the food was fantastic—and yes, they kept us busy even during mealtimes."

An impromptu survey showed that each section is plagued with similar problem regarding low member participation (about 1% active participants).

Do you have thoughts on how to expand participation for our section? Contact your ACS Board members.

ACS AND YOU

If you missed this meeting on April 27, don't worry, others are being planned. **Frannie Skomurski** and **Dave Heldebrant** hosted a pizza luncheon at PNNL to promote awareness of the benefits of **ACS membership** – beyond just discounted meeting registration costs! They had a good turnout with nine current and seven potential members in attendance.

Frannie and Dave entertained the group with humor about what ACS can do for chemistry professionals, including professional development opportunities (such as the **Fostering Innovation** workshop coming to our section in September), **networking**, and **outreach involvement**. Attendees were invited to take the free **ACS & You** on-line course to learn more about what ACS offers its members: http://www.stamsolution.com/ACS/Courses/ACSANDYOU/Gold_V3/index.html.

Take the course yourself allowing about an hour—check out the statement from our past chair, **Aruna Arakali**, and read the **Girls in Science** segment (from our own Richland Section) as an example local section activity. Frannie and Dave would be happy to share this presentation at other venues throughout the section—call with your interest—Frannie **509-375-5645** and Dave **509-372-6359**.

Funding for this event came from an ACS **Bridging the Gap Nano-grant** in support of communicating the benefits of ACS membership to local sections.

CHEMICAL TECHNICIAN AWARD

Nominations Sought for Chemical Technician Award

The call for nominations for the 2013 National Chemical Technician Award (NCTA) is now open. Nominees must be currently employed as a chemical technician, and must have worked as a chemical technician for a minimum of five years. Nominees do not need to be an ACS member. The award will consist of a trip for the winner and a guest to the Spring American Chemical Society National Meeting, April 7 -11, 2013, New Orleans, LA. Additionally, the awardee will receive a \$1000.00 honorarium at dinner held in their honor in New Orleans. Nomination packets must be received by the Committee on Technician Affairs (CTA), no later than September 30, 2012.

Visit www.acs.org/ncta for nomination criteria, complete details and to download the nomination or re-nomination form. Send questions to cta@acs.org.

Congratulations to Frannie Skomurski

Frannie Skomurski had been selected to receive the PNNL Fitzner-Eberhardt Award for fiscal year 2012. Frannie's accomplishments in promoting science and technology education both internally and externally including work with students, interns, and teachers embodies the spirit of this award.

This award is in memory of Dick Fitzner and Les Eberhardt. Dick and Les demonstrated commitment and dedication of their time and talents not only to their research but also to the education and training of future scientists, engineers, and technologists. They taught university courses, mentored and advised university students and faculty; visited elementary, middle and high school classrooms; and hosted students and teachers from across the country in research experiences at PNNL. Congratulations Frannie on the prestigious PNNL award.



FUN AT ACS-AIChE PICNIC

The annual ACS/AIChE Picnic was held on June 15 at Sacajawea State Park. About 30 ACS and AIChE members as well as their families attended the picnic on this beautiful summer day. Festivities included food, refreshments, and touring the scenic Sacajawea State Park which sits at the confluence of the Columbia and Snake Rivers. This picnic is a chance to thank our local members for their participation in the section and meet and greet colleagues from the Columbia Valley Section of the American Institute of Chemical Engineers.

www.consultingengineers.com/AIChE_CVS.html



2012 CHEMISTRY CAREER EXPO

So you are interested in science and chemistry? But what kind of job could you get with that degree, really? Join us for a **Chemistry Career Exposition on October 12, 2012**. This exposition is geared for college and high school students looking for chemistry-related career ideas. No, we don't ALL wear white laboratory coats and safety glasses!

We will have chemist representatives from a broad swath of professions and employers for you to interact with—including **research and development, forestry, wine-making, paper products, forensics, and more**. This is your chance to ask questions about their chosen profession and just maybe learn what is right for you.

This activity will be held at the **Columbia Basin College, Gjerde Building** (tentative), Pasco WA, October 12, 2012 from 5:00 p.m. to 9:00 p.m. Watch your e-mail in-box and the *Tri-City Herald* for additional details.

The Chemistry Career Exposition is organized by the ACS Richland Section with support from area businesses. Contact Aruna Arakali, aruna.arakali@urs.com, or Karen Grant, KGrant@columbiabasin.edu, for more information and/or to offer your support. Pass the word!

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Why was the naming of elements 104, 105, and 106 so controversial?

Rutherfordium

Michael Freemantle

DOI: 10.1021/cen-v081n036.p181

Element 105 is Long-Lived

Chem. Eng. News

DOI: 10.1021/cen-v048n019.p009

U.S. Scientists Produce Element 106

Chem. Eng. News

DOI: 10.1021/cen-v052n037.p004a

Heaviest Elements Named

Michael Freemantle and Ron Dagani

DOI: 10.1021/cen-v072n041.p004

Heavy-Element Name Saga Ends

Michael Freemantle

DOI: 10.1021/cen-v075n036.p009a

The 1952 Nobel Prize in Physiology or Medicine went to Selman Waksman for the discovery of the antibiotic streptomycin. Who was left out of that prize?

Selman A. Waksman

Chem. Eng. News

DOI: 10.1021/cen-v027n030.p2146

The Microbe—Friend and Enemy of Man

Selman A. Waksman

DOI: 10.1021/cen-v024n010.p1372

Production of Streptomycin

Herbert Silcox

DOI: 10.1021/cen-v024n020.p2762

News-Makers

Chem. Eng. News

DOI: 10.1021/cen-v030n044.p4656

Research

Chem. Eng. News

DOI: 10.1021/cen-v029n003.p205

Who discovered Teflon? How was it discovered? Aside from cookware, how else is Teflon used?

Roy Plunkett, Discoverer of Teflon, Wins Coveted John Scott Award

Chem. Eng. News

DOI: 10.1021/cen-v030n026.p2691

Teflon Makes Strides in Heat Exchangers

Chem. Eng. News

DOI: 10.1021/cen-v043n022.p044

Big Teflon Market Seen in Fabric Structures

Chem. Eng. News

DOI: 10.1021/cen-v056n032.p005b

This year marks the 25th anniversary of National Chemistry Week that will be celebrated on October 21-27, 2012. The theme **Nanotechnology: The Smallest BIG Idea in Science** will be highlighted as well as the wonderful outreach resources designed to bring nanoscience to life!

ACS has joined with the Nanoscience Informal Science Education Network (nisenet.org) to help bring ideas to students. Do you have ideas that you want to share? Check out the [NCW ACS Website](#) for more information.

ACTIVITIES PLANNED TO DATE INCLUDE:

Boy Scouts of America Chemistry Merit Badge Training

Pasco, November

Contact: Steve Krogsrud, steve_krogs@hotmail.com, 545-6749

Girls in Science

La Grande, October

Contact: Anna Cavinato, acavinat@eou.edu



LEARN MORE ONLINE <http://acs.labworks.org>

11 COMING EVENTS

AUGUST 31

Science Café – Winery Tour & Tasting

SEPTEMBER 8

Fostering Innovation Workshop

OCTOBER 12

Career Fair

OCTOBER 21-27

National Chemistry Week

ANNUAL GEEZER FEST & HONORS

Fall 2012

UPCOMING SECTION BOARD MEETINGS

All board meetings will meet at the
WSU-TC CAMPUS:

SEPTEMBER 12

OCTOBER 10

NOVEMBER 14

MEETING TIME: 6-7:30PM

VISIT THE SECTION [WEBSITE](#) FOR
UP-TO-DATE CALENDAR ITEMS
& MORE INFORMATION



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