

# 189<sup>th</sup> 2YC<sub>3</sub> Conference

*Kaleidoscope:*

*Celebrating New Innovations in Two-Year College Chemistry Programs*

## Conference Program

September 10-11, 2010

Portland Community College - Sylvania Campus  
Portland, OR



## 27 Co nference Information

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Cobalt

For registration, lodging information, travel directions, and the latest information on the conference program, visit the conference website: [www.pcc.edu/about/events/2yc3](http://www.pcc.edu/about/events/2yc3).

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<b>Assistant Chair:</b>	Jim Schneider	<a href="mailto:jschneid@pcc.edu">jschneid@pcc.edu</a>	503-977-4618
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**Note:** Session themes are indicated by the following abbreviations: N = Nanochemistry; W = Workshop; PA = Partnerships; G = Green Chemistry; T = Technology; DL = Distance Learning; PE = Pedagogy

### Thursday, September 9

All-day POGIL Workshop. Go to the 189<sup>th</sup> 2YC<sub>3</sub> conference website ([www.pcc.edu/about/events/2yc3](http://www.pcc.edu/about/events/2yc3)) to find the link to register for the one-day POGIL Workshop scheduled on Thursday Sept. 9<sup>th</sup>. Space is limited, so please register early.

### Friday, September 10

- 8:00 – 5:00      **Exhibits**
- 8:00 – 8:30      **Registration, Refreshments, and Exhibits**
- 8:30 – 8:45      **Welcome and Opening Remarks**  
*Christine Chairsell, Vice President for Academic and Student Affairs, Portland Community College*
- 8:45 – 9:45      **Keynote Address**  
Using Guided-Inquiry in the General Chemistry and Organic Chemistry Laboratory: POGIL and the Science Writing Heuristic  
*Tom Greenbowe, Iowa State University, Ames, IA; Brandon Fetterly, Department of Chemistry, University of Wisconsin - Richland, Richland Center, WI; Frank Creegan (emeritus), Department of Chemistry, Washington College, Chestertown, MD*
- 9:45 – 9:55      **Refreshment Break and Exhibits**
- 9:55 – 10:25    **2YC<sub>3</sub> General Membership Meeting**
- 10:30 – 11:15   **Presentation Session 1**  
N1. Resource Materials for Nanochemistry Education  
*George Lisensky, Beloit College, Beloit, WI*  
  
W1. Molecular Simulations in the Chemistry Classroom: Using Off-the-Shelf Computers for More than Internet Access (**90 minute Workshop**)  
*Sandra Young, Wavefunction, Inc., Irvine, CA*

- 11:15 – 11:30 **Refreshment Break and Exhibits**
- 11:30 – 12:15 **Presentation Session 2**  
N2. Resource Materials for Nanochemistry Education  
*Kathy Flynn, College of the Canyons, Santa Clarita, CA*
- 12:15 – 1:00 **Lunch Break, Exhibits, and Student Poster Session**
- 1:00 – 1:45 **Presentation Session 3**  
PA1. Partnering with Universities to Create Research Opportunities for CC Students: Things that work  
*Kate Hulpke, UCORE Program Coordinator, University of Oregon, Eugene, OR*
- W2. Two Introductory Nanochemistry Experiments (*90 minute Workshop*)  
*George Lisensky, Beloit College, Beloit, WI*
- 1:45 – 2:00 **Refreshment Break, Exhibits, and Student Poster Session**
- 2:00 – 2:45 **Presentation Session 4**  
PA2. Undergraduate Catalytic Outreach and Research Experiences (UCORE) Student Breakout Session  
*2010 UCORE Students, University of Oregon, Eugene, OR*
- 2:45 – 3:00 **Refreshment Break, Exhibits, and Student Poster Session**
- 3:00 – 3:45 **Presentation Session 5**  
PA3. Title TBD (NMR Consortium) (*20 minutes*)  
*Carlisle Chambers, George Fox University, Newberg, OR*
- G1. Title TBD (Green Chemistry) (*20 minutes*)  
*Brooke Taylor, Lane Community College, Eugene, OR*
- W3. ChemEd Digital Library Part 1 (*90 min Workshop*)  
*Linda Fanis, Journal of Chemical Education, Madison, WI*
- 3:45 – 4:00 **Refreshment Break and Exhibits**
- 4:00 – 4:45 **Presentation Session 6**  
T1: Higher Education Solutions for Chemistry—Activate Inquiry and Inspire Discovery!  
*Lance Mayhofer, PASCO, Roseville, CA*
- DL1: A GOB Chemistry DL Course with “Labs at Home,” the Organic/Biochem Term  
*Kathy Carrigan and Ken Friedrich, Portland Community College-Cascade, Portland, OR*
- 4:45 – 5:00 **Refreshment Break and Exhibits**
- 6:00 – 8:30 **Dinner Banquet and Address**  
Title TBD  
*Terry Bristol, President and Executive Director of the Institute for Science, Engineering and Public Policy*

## **Saturday, September 26**

- 8:00 – 4:30 **Exhibits**
- 8:00 – 8:45 **Registration and Refreshments**
- 8:45 – 9:00 **Opening Remarks**

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- 9:00 – 9:45      **Presentation Session 7**  
W4. An Introduction to Implementing POGIL and the Science Writing Heuristic in the General Chemistry and Organic Chemistry Laboratory (**90 minute Workshop**)  
*Tom Greenbowe, Iowa State University, Ames, IA; Brandon Fetterly, Department of Chemistry, University of Wisconsin - Richland, Richland Center, WI*
- DL2. Choosing the Least Expensive Technology, Tools, and Resources for Teaching Online General Chemistry Courses  
*Leticia Colmenares, University of Hawaii-Windward Community College, Kaneohe, HI*
- W5. Molecular Simulations in the Chemistry Classroom: Using Off-the-Shelf Computers for More than Internet Access (**90 minute Workshop**)  
*Sandra Young, Wavefunction, Inc., Irvine, CA*
- 9:45 – 10:00      **Refreshment Break and Exhibits**
- 10:00 – 10:45      **Presentation Session 8**  
DL3. Beakers vs. Measuring Cups: Learning General Chemistry at Home  
*Mark Matthews, Durham Technical Community College, Durham, NC*
- 10:45 – 11:00      **Refreshment Break and Exhibits**
- 11:00 – 11:45      **Presentation Session 9**  
PE1. Going POGIL-Introductory (GOB) and General Chemistry  
*Ted Foster, Folsom Lake College, Folsom, CA*
- DL4. Chemistry Through Distance Learning: General, Organic, and Biochemistry Series Completely Online, with Lecture and Lab  
*Lisa Holmes, Loan Vo, and Carol Handy, Portland Community College, Portland, OR*
- G2. Strategies for Developing a Green Laboratory Curriculum (**20 minutes**)  
*John Thompson, Lane Community College, Eugene, OR*
- G3. Students as Evaluators, Exploring the Possibilities: New Green Lab Exercises for the Organic Course (**20 minutes**)  
*Carol Higginbotham, Central Oregon Community College, Bend, OR*
- 11:45 – 12:30      **Lunch Break, Exhibits, and Western Regional Advisory Board Meeting**
- 12:30 – 1:15      **Presentation Session 10**  
T2. Creating an Interactive Classroom in Chemistry Through Technology  
*John Pyktel, eInstruction, Bothell, WA*
- DL5. Online Homework and the Distance Learning Student  
*James Hart, Portland Community College, Portland, OR*
- W6. ChemEd Digital Library Part 2 (**90 min Workshop**)  
*Linda Fanis, Journal of Chemical Education, Madison, WI*
- 1:15 – 1:30      **Refreshment Break and Exhibits**
- 1:30 – 2:15      **Presentation Session 11**  
PE2. Using Computers to Cut Costs and to Buy Time for Inquiry  
*Tim Sorey, Central Washington University, Ellensburg, WA*  
*John Amend, Montana State University, Bozeman, MT*
- DL6. The Pros and Cons of Teaching DL as an Adjunct Instructor—Round Table Discussion  
*Josh Liebschutz, Lisa Holmes, Carol Handy, James Hart, and Kristi Miller, Portland Community College, Portland, OR*
- 2:15 – 2:30      **Refreshment Break and Exhibits**

- 2:30 – 4:00      **Presentation Session 12**  
W7. Chemistry with Vernier (*90 min Workshop*)  
*Angie Harr, Vernier Software and Technology, Beaverton, OR*
- W8. DL Lab Hands-On Workshop (*90 min Workshop*)  
*Sponsored by LabPaq*

2:30 – ???      **Portland Microbreweries Tour**  
Registration is required. Transportation provided. More information to be posted on conference website.  
*Sponsored by Cengage Learning.*

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### Registration

Registration for the conference can be completed on-line or by a mail-in form that can be downloaded at the conference website: <http://www.pcc.edu/about/events/2yc3/>. This form can be mailed with your payment to complete registration.

### Lodging

Reservations at the conference hotels must be made by August 10 to secure the conference block of rooms. Ask for the PCC-2YC<sub>3</sub>-Group rate when making your reservations. Additional information about these hotels can be found at the conference website <http://www.pcc.edu/about/events/2yc3/hotels.html>.

Phoenix Inn Suites  
14905 SW Bangy Rd.  
Lake Oswego, OR 97034  
(503) 624-7400  
<http://www.phoenixinn.com/lake-oswego/>  
Room Rates: \$71.20 with tax/ night for 2+ nights or \$79 with tax for 1 night

Hospitality Inn  
10155 SW Capitol Hwy.  
Portland, OR 97219  
(503)-244-6684  
<http://www.hospitalityinnportland.com/>  
Room Rates: \$75 with tax for King, \$85 with tax for 2 Queens per night

Comfort Suites  
11340 SW 60<sup>th</sup> Ave.  
Portland, OR 97219  
(503) 768-4400  
<http://www.comfortsuites.com>  
Room Rates: \$105-\$135 with tax per night.

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### Getting to Portland Community College-Sylvania

The Sylvania campus of PCC is located in southwest Portland, approximately 19 miles from Portland International Airport. Options for getting to the Sylvania campus include rental car, taxi, and public transportation. Portland has one of the finest public transportation systems in the US, called **TriMet**. Please check out the following link for directions and options (by car and public transit): <http://www.pcc.edu/about/locations/sylvania/>. Click the “directions” link at the top of the page to be taken to a Google Maps page. If you click on the “Directions” link there and type in “Portland Airport” as your starting point, you will be provided with driving as well as TriMet public transportation options (if you click on the “by public transit” icon at the top). TriMet also has a trip planner page which can be accessed by taking the “trimet” link on the PCC-Sylvania information page above.

### Enjoying your stay in Portland

Portland is nestled along the banks of the Willamette River, at the end of the historic Oregon Trail, and has access to some of the finest recreational opportunities in the Pacific Northwest. Consider extending your stay to explore some of the spectacular natural history of the area, including Mt. Hood and Timberline Lodge only 1 hour away, the Pacific ocean only 1½ hours away, the Columbia River Gorge and the historic Bonneville Dam ½ hour from Portland, a beautiful wine valley (world famous for pinot noir) minutes from the city, a view of Mt. St. Helens, and a variety of hiking and other recreational activities. For more information, go to <http://www.pcc.edu/about/portland.html>.