



Best Practices for Sustainable Laboratories

MARCH 25, 2014
7:30 AM–4:30 PM

LOCATION

King Street GIS Center
201 South Jackson Street
8th Floor Conference Room

ACCREDITATION

American Board of Industrial Hygiene Certification Maintenance can be obtained for this activity. See the ABIH website for CM credit criteria.

REGISTRATION

Register Online at osha.washington.edu
or by calling the Northwest Center at 206-543-1069
Standard Registration: \$175
After March 11: \$195
Government Rate: \$155
After March 11: \$195

INFORMATION

206-543-1069 or
800-326-7568
osha.washington.edu
ce@uw.edu

The “green” economy with its emphasis on sustainable practices for chemical use and pollution prevention has brought new responsibilities for EH&S professionals, particularly those with responsibilities for laboratory safety. The University of Washington Department of Environmental & Occupational Health Sciences (UW DEOHS) Continuing Education Programs is offering a one-day professional development course on best “green” practices for laboratories. Course content will include information on designing laboratory activities to prevent chemical exposures, strategies for communicating safe chemical use, chemical waste management, and chemical selection. The purpose of the course is to share best practices and to improve the selection, evaluation, and use of chemicals in the laboratory.

Course Objectives

At the completion of this course participants should be able to:

- List three best practices for achieving sustainability in laboratories.
- Review assessment tools for selection of safer chemicals.
- Discuss green chemistry principles for use in discovery research.
- Share design processes to reduce, recycle, and mitigate chemical waste in laboratories.
- Support behavior change at all levels in an organization to promote sustainability.
- Identify, select, and use green purchasing tools.
- Explore new ways to promote sustainability with “real world” case studies.

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Audience

This course is targeted towards those responsible for laboratory management and safety within the public, private, and non-profit biotechnology and biomedical industry including lab managers, EH&S professionals, lab scientists, industrial hygienists, safety engineers, hazardous waste managers, and sustainability coordinators.

Planning Committee

Course Director: Jill Stoddard Tepe, Green Lab Alliance and Pacific Northwest Pollution Prevention Resource Center
Aubrey Batchelor, UW Environmental Stewardship & Sustainability

Blake Dean, Gilead

Laura Denovan, EIC Environmental Health and Safety

Emily Edens, Seattle BioMed

John Fauver, Fred Hutchinson Cancer Research

Pat Janssen, UW DEOHS Laboratory

Jen Krenz, UW DEOHS

Brian Pentilla, Pacific Northwest Pollution Prevention Resource Center

Nancy Simcox, UW DEOHS Continuing Education Programs

David Simpkins, CellNetix Pathology and Laboratories

Mark Volkert, UW Environmental Health and Safety

Jenny Yoo, Washington State Department of Ecology

Supported by

Health, Environmental and Laboratory Professionals Group

Green Lab Alliance

Washington Biotechnology & Biomedical Association

This course is partially supported by the NIOSH-funded Northwest Center for Occupational Health and Safety and NIEHS-funded Sustainable Technologies, Alternate Chemistry-Training and Education Center

Keynote Speaker



Allen Doyle, Sustainability Manager, University of California, Davis

Allen is the sustainability manager for the University of California Davis campus. His key areas of focus are green building design and operations; laboratory programs (LabRATS) to promote energy and water conservation, green chemistry, heating, ventilation and cooling efficiency, biological sample management and waste reduction; and sustainable food systems.

Agenda

- 7:30–8:00 Registration & Coffee/Tea
- 8:00–8:10 Welcome
Mike Yost, PhD, Professor, Department of Environmental and Occupational Health Sciences;
Director of Sustainable Technologies, Alternate Chemistry-Training and Education Center,
University of Washington
Jill Stoddard Tepe, Course Director, Green Lab Alliance and Pacific Northwest
Pollution Prevention Resource Center
- 8:15–9:00 Keynote
*Sustainable Laboratories Coming of Age:
Campus, Clinic, and Corporate Scale Measures of Success*
Allen Doyle, University of California, Davis
- 9:00–9:45: *Tools for Selecting Less Hazardous Chemicals*
Alex Stone, ScD, Senior Chemist, WA Department of Ecology
- 9:45–10:00 Break
- 10:00–10:45 *Green Chemistry Strategies for Drug Discovery Research*
Emily Peterson, PhD, Senior Scientist in Medicinal Chemistry, Amgen
- 10:45–11:30 *Green Purchasing Tools*
Shelia Lockwood, Chemical Hygiene Officer, Seattle University
- 11:30–12:15 *Social Marketing: What is it? Why is it so hard? What are the Principles for Success?
How to use it in your Sustainability program?*
Nancy Lee, President, Social Marketing Services, Inc.
- 12:15–1:00 Lunch
- 1:00–1:45 *Greener Benches: Best Practices for Pollution Prevention*
David Wadell, Environmental Project Manager, Local Hazardous Waste
Management in King County
- 1:45–2:30 *Designing Processes to Reduce, Recycle, and Mitigate Waste*
David Simpkins, Safety Officer, CellNetix Pathology and Laboratories
- 2:30–2:45 Break
- 2:45–3:30 *Catalyzing and Recognizing Sustainable Science at UW*
Aubrey Batchelor, Sustainability Programs Supervisor, University of Washington
- 3:30–4:15 *Green BioPharma: Innovative Medicines from Sustainable Labs*
Kristi Budzinski, PhD, Green Chemistry & BioPharma Project Manager Genentech, Inc.
- 4:15–4:30 Wrap Up and Program Evaluation

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Notes

To request disability accommodation, contact the Disability Services Office at least 10 days in advance at: 206-543-6450 (voice); 206-543-6452 (TDY); 206-685-7264 (FAX); or dso@u.washington.edu (e-mail)



CONTINUING EDUCATION PROGRAMS

NORTHWEST CENTER FOR OCCUPATIONAL HEALTH AND SAFETY

Department of Environmental and Occupational Health Sciences
University of Washington School of Public Health

