

Cyanobacteria Harmful Algae Blooms and Water Quality Workshop

May 24-25, 2010

A generous grant from the Oregon Department of Human Services – Public Health Division – Harmful Algal Bloom Surveillance Program has made this workshop possible.

Day 1 – Monday – Dryden & Nash Halls	
8:30 a.m. – 9:00 a.m.	Registration/Coffee – Dryden Hall 212 Workshop lecture room – Dryden Hall 213
9:00 a.m. – 10:00 a.m.	History and Biology of Cyanobacteria Harmful Algae Blooms (CyanoHABs) Dr. Wayne Carmichael
10:00 a.m. – 10:10 a.m.	Stretch Break
10:10 a.m. – 10:55 a.m.	Detection and Analysis Methods for Cyanobacteria and Cyanotoxins Dr. Carmichael
10:55 a.m. – 11:15 a.m.	Break for move to lab – Nash Hall 304 Coffee service at Nash Hall 304
11:15 a.m. – 12:30 p.m.	Lab exercises—Cyanobacteria taxonomy and identification. Water sampling and sample handling (Dr. Carmichael and Dr. Theo Dreher plus lab assistants)
12:30 p.m.– 1:30 p.m.	Lunch (included with registration) - Cards will be provided to use at West Dining Hall
1:30 p.m. – 5 (+?) p.m.	Lab exercises plus demonstrations on detection and monitoring (Focus on ELISA and HPLC/LC-MS) (Dr. Carmichael and Dr. Dreher plus lab assistants)
Day Two – Tuesday – Dryden Hall 213	
8:30 a.m. – 9:00 a.m.	Review-Discussion from Day 1
9:00 a.m. – 10:00 a.m.	Identification, Sampling and Handling of CyanoHABs. Includes guidance on visual observations for field identification. Dr. Carmichael
10:00 a.m. – 10:15 a.m.	Coffee Break - Dryden 212
10:15 a.m. – 11:00 a.m.	Chemistry and Toxicology of Cyanotoxins – Includes WHO/USEPA Risk Guidance. Dr. Carmichael
11:00 a.m. – 11:45 a.m.	CyanoHABs and their Health Risks, HAB Occurrence and Management in Oregon. Jennifer Ketterman-ODHS- HABS program
11:45 a.m. – 1:00 p.m.	Lunch (included with registration) – Box lunches delivered
1:00 p.m. – 2:00 p.m.	Water Treatment for Removal and Inactivation of Cyanotoxins Management and Mitigation of Waterblooms. Dr. Carmichael
2:00 p.m. – 2:15 p.m.	Break
2:15 p.m. – 3:00 p.m.	Genetic methods and Studies on Toxigenic Cyanobacteria. Dr. Dreher
3:00 p.m.	Wrap up-Discussion Dr. Carmichael, Dr. Dreher, Jennifer Ketterman

PRESENTERS

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<http://www.oregon.gov/DHS/ph/hab/index.shtml>

LECTURE & LAB FACILITIES

Special thanks to Dr. Theo Dreher and Oregon State University

DIRECTIONS

The workshop will be held in Dr. Theo Dreher's lab in Nash Hall, Room 304 at Oregon State University in Corvallis. Please see the campus map for more detailed information: <http://oregonstate.edu/campusmap/>

ACCOMODATIONS

Attendees are responsible for their own lodging for the event. Visit these links for lodging opportunities listed with [OSU's Visitors Guide](#) and on [Google](#).

- **Note:** The Hilton Garden Inn is the closest hotel to Dryden and Nash Halls, and within walking distance. This hotel also has several rooms available Sunday and Monday evenings (5/23 and 5/24) at government rates. Please bring your government identification or business card to receive government rates.

PARKING

Day visitor passes are \$7 and visitors must park in designated visitor or student parking lots ([See map](#)). The closest lot to Nash Hall is on 30th and Campus Way.

REGISTRATION

Visit www.Oregonlakes.org to register.

WORKSHOP COORDINATION

Oregon Lakes Association

A voice for quiet waters

www.oregonlakes.org