

Whitebark Pine Ecosystem Foundation
2015 Science and Management Workshop
Southern Oregon University, Ashland, Oregon

Wednesday, September 16

0830 to 1430 - Field Trip to Dorena Genetic Resource Center*.

Thursday, September 17

0900-1700 Board of Directors Meeting Rogue River-Siskiyou National Forest Supervisors Office, Medford Interagency Office, 3040 Biddle Road, Medford, OR 97504.

0900 – 1700 Field Trip to *Crater Creek Research Natural Area* (N.Calif). Bring your own lunch and water. Be prepared to carpool to reduce the number of vehicles. Meet at Southern Oregon University Lot 12, near Cox Hall.

1800 – 1930 Public Seminar: Southern Oregon University, Meese Auditorium, Art Building 545 Indiana, Ashland, OR. Open to the Public and WPEF meeting attendees

Start Time	Title	Presenter
1800	Whitebark Pine in Peril	Diana Tomback, Director, Whitebark Pine Ecosystem Foundation
1830	A Regional Perspective Whitebark Pine in Oregon and Washington	Kristen Chadwick, Plant Pathologist, USFS FHP, Sandy, OR
1845	Our local Whitebark Pine Whitebark Pine at Crater Lake National Park	Jen Beck, Botanist, Crater Lake National Park

Friday, September 18: Indoor Session: Southern Oregon University, Meese Auditorium, Art Building 545
Indiana, Ashland OR, Hosted by Klamath Inventory and Monitoring Network

Introduction and Keynotes

Start Time	Title	Presenter
8:00	Conference welcome and logistics	Kristen Chadwick, Plant Pathologist, USFS FHP, Sandy, OR; Jen Beck, Botanist, Crater Lake National Park; and Diana Tomback, Director, Whitebark Pine Ecosystem Foundation
8:15	First Keynote Address: The high-fives: foundational roles and restoration issues	Diana Tomback, Director, Whitebark Pine Ecosystem Foundation
8:45	Second Keynote Address: Status Review of Whitebark Pine	Sam Friedman, Botanist, US Fish and Wildlife

First Panel: Regional Updates/Status

Start Time	Title	Presenter
9:15	Whitebark pine restoration in Oregon and Washington: Past, Present, Future	Andy Bower, Geneticist, USFS, Olympia, WA
9:35	News from the North: Canadian Updates	Michael Murray, Forest Pathologist, British Columbia Ministry of Forests

9:55 Break: Poster Viewing, Coffee and Snacks

Second Panel: Inventory and Monitoring

Start Time	Title	Presenter
10:15	Mapping and Assessment of WBP in Northern California	Michael Kauffman, California Native Plant Society
10:35	A model framework for assessing the impact of disease and pest incidence on populations of whitebark pine	Erik Jules, Professor, Humboldt State University
10:55	Assessing the severity and rate of spread of <i>Cronartium ribicola</i> in Sequoia and Kings Canyon National Parks	Jonathan Nesmith, Ecologist, Sierra Nevada Network, NPS Inventory & Monitoring Program
11:15	Whitebark pine stand conditions and mountain pine beetle caused mortality in the Warner Mountains	Danny Cluck, Entomologist, USFS FHP, Susanville, CA
11:35	Hi5 Database	Gregg DeNitto, Group Leader/Forest Pathologist, USFS FHP

11:55-1:15 Lunch On Your Own

Third Panel: Ecology, Restoration, and Resistance

Moderator: Kristen Chadwick

Start Time	Title	Presenter
1:15	Taking the Long-View and Acting Now – Proactive Strategy for Sustaining Threatened High Elevation Five-Needle Pines	Anna Schoettle, Research Plant Ecophysiological, USFS RMRS, Fort Collins, CO
1:35	Blister Rust Resistance in White Pine Species of Western North America – the Good, the Bad, the Uncertain	Richard Sniezko, Center Geneticist, USFS Dorena Genetic Resource Center
1:55	Restoring whitebark pine in the face of climate change	Bob Keane, Research Ecologist, USFS RMRS, Missoula, MT
2:15	Vulnerability of Great Basin bristlecone pine and foxtail pine to mountain pine beetle	Barbara Bentz, Research Entomologist, USFS
2:35	The challenge of restoring whitebark pine in wilderness	Lucy Lieberman, Natural Resource Specialist, Aldo Leopold Wilderness Research Institute

2:55-3:15 Breaks Poster Viewing and Refreshments

Fourth Panel: Genomics and landscapes

Moderator: Rich Cronn, Research Geneticist, PNW Research Station

Start Time	Title	Presenter
3:15	The genomic landscape of water use efficiency for foxtail pine (<i>Pinus balfouriana</i> Grev. & Balf.)	Andrew Eckert, Assistant Professor, Dept. of Biology, Virginia Commonwealth University
3:35	Comparative transcriptomics in four white pines	Uzay Sezen, Post-Doctorate, Dept. of Ecology and Evolutionary Biology Center for Genome Innovation: Bioinformatics Facility Institute for Systems Genomics University of Connecticut
3:55	Candidate genes associated with blister rust resistance in whitebark pine	Zolton Bair, Ph.D. Student, Oregon State University
4:15	The genetic architecture of survival-related traits for whitebark pine (<i>Pinus albicaulis</i> Engelm.) at fine spatial scales - an example from the Lake Tahoe Basin	Andrew Eckert, Assistant Professor, Assistant Professor, Virginia Commonwealth University

Discussion Panel: 4:35-5:30

Synthesis and Closeout

Start Time	Title	Presenter
5:30	Where we go from here	Robyn Darbyshire, Regional Silviculturist, USDA Pacific Northwest Region

6:00 – Poster Session, Silent Auction, and Social Hour with cash bar and build your own nacho bar.

Saturday, September 19

0800 to 1630 Field Trip to *Crater Lake National Park*. Meet at Southern Oregon University. A bus will be provided for attendees. Bring your own lunch and water. Meet at Southern Oregon University Lot 12, near Cox Hall.

Sunday, September 20

0830 to 1430 - Field Trip to Dorena Genetic Resource Center*.

*Optional 'identical' fieldtrips will be offered to Dorena Genetic Resource Center (DGRC) to maximize opportunity for colleagues attending either the WPEF or the subsequent WIFDWC meetings in Oregon to attend. The size of each group can be small or large. Contact Richard Sniezko, rsniezko@fs.fed.us, for planning purposes. Fieldtrips to visit DGRC and a nearby orchard/field site to see blister rust trial.

Additional support for this meeting has been provided by:

Klamath Inventory and Monitoring Network

Whitebark Pine Ecosystem Foundation

Crater Lake Institute

US Forest Service, Region Six

Crater Lake National Park