

Forest Health Initiative

Advancing Forest Health Through Biotechnology

FHI-- Early Screening for Blight Resistance Workshop

Date: **May 18-19th**, Location: **U.S. Forest Service, Resistance Screening Center, Asheville, NC**

The purpose of the workshop is to determine a set of experiments and which labs will perform the experiments that would lead to a standard, early chestnut blight resistance assay within a year. The goal is to develop an assay that can: (1) detect any enhancement in blight resistance, even intermediate levels, and (2) can be performed on plants or tissues less than 6 months old. Therefore, presentations should provide both foundational and practical information that will help in the development of an assay. Duration of the presentations should allow 10 minutes at the end for questions and discussions.

Schedule:

May 18th

8:00 AM	Pick up at hotel
8:30 – 8:45 AM	Dana Nelson – Welcome & Introduction
8:45 – 9:30 AM	Fred Hebard – Physiology of chestnut blight canker & current resistance assays
9:30 – 10:15 AM	Bill Powell – Status on current chestnut early screening assays
10:00 – 10:15 AM	Break
10:15 – 11:00 AM	Gary Griffin, Scott Merkle – Chestnut blight resistance mechanisms
11:00 – 11:45 AM	Katie Hayden – Sudden oak death assays
11:45 – 1:00 PM	Lunch (delivered)
1:00 – 2:30 PM	Tour of Resistance Screening Center (Josh Bronson)
2:30 – 3:00 PM	Break
3:00 – 3:45 PM	Glen Stanosz – Septoria canker in poplar and other examples
3:45 – 4:30 PM	Jason Smith – Laurel wilt, screening red bay & avocado
4:30 – 5:00 PM	Brain storming discussion on early blight screen development
5:00 – 5:30 PM	Return to hotel
6:30 PM	Dinner at local restaurant

May 19th

8:00 AM	Pick up at hotel
8:15 – 8:30 AM	Summary of discussions (Dana Nelson)
8:30 – 9:15 AM	Peter Balent-Kurti – quantitative resistance
9:15 – 10:00 AM	Tim Tschaplinski – phenylpropanoid pathway biomarkers
10:00 – 10:30 AM	Break
10:30 – 12:00 PM	More discussion on early blight screen development (small groups)
12:00 – 1:00 PM	Lunch (delivered)
1:00 – 3:00 PM	Specify research priorities/plans, conclude workshop (single group)