

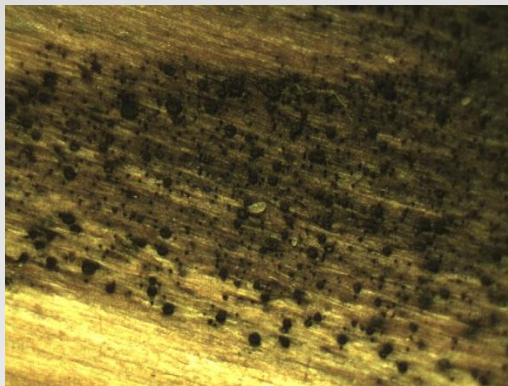
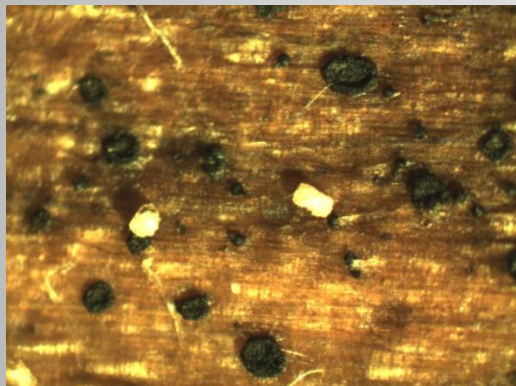
Other Project Updates

Lori G. Eckhardt, Ph.D.

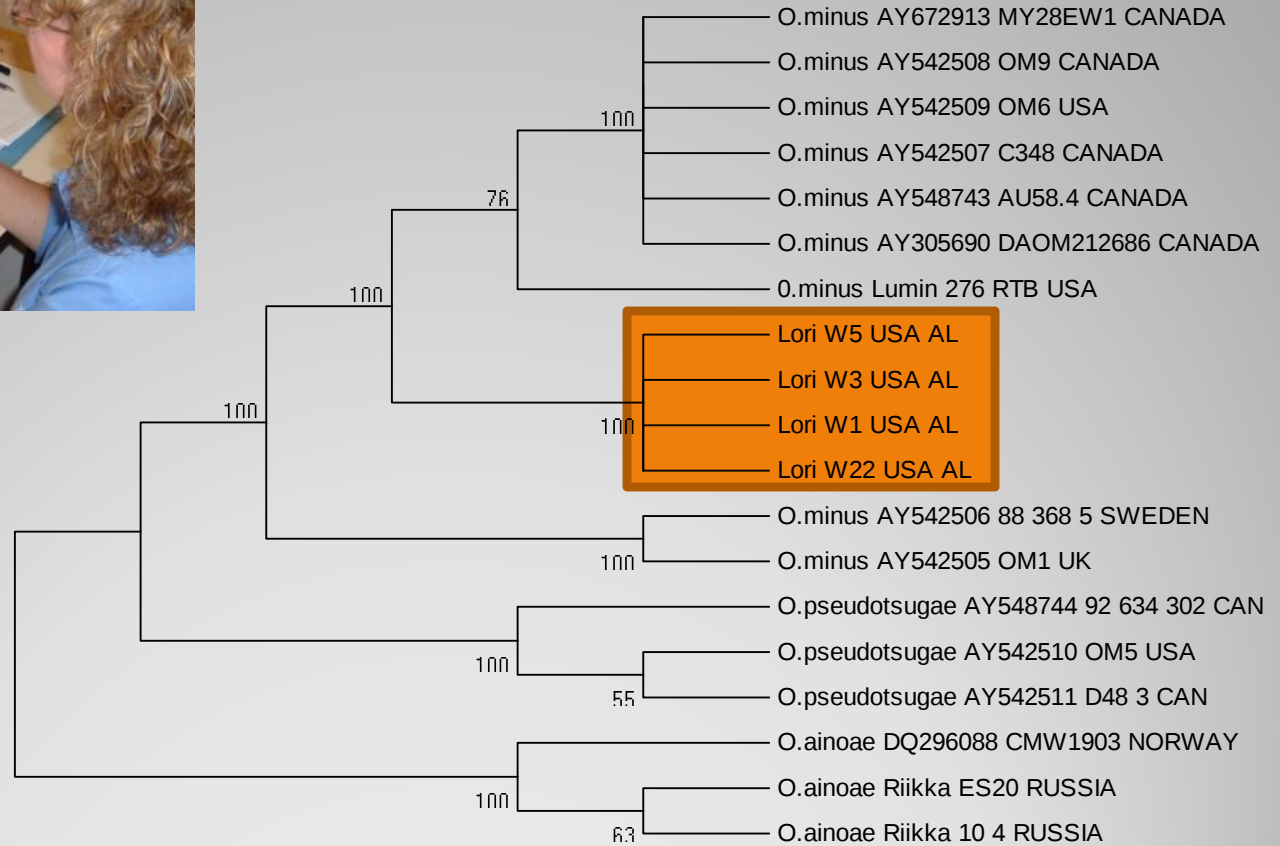
Forest Health Cooperative;
Forest Health Dynamics Laboratory;
Auburn University, Alabama



- *Hylastes* galleries infested with *Ophiostoma* in loblolly pine



New *Ophiostoma*'s and *Leptographium* spp. (GA and AL)



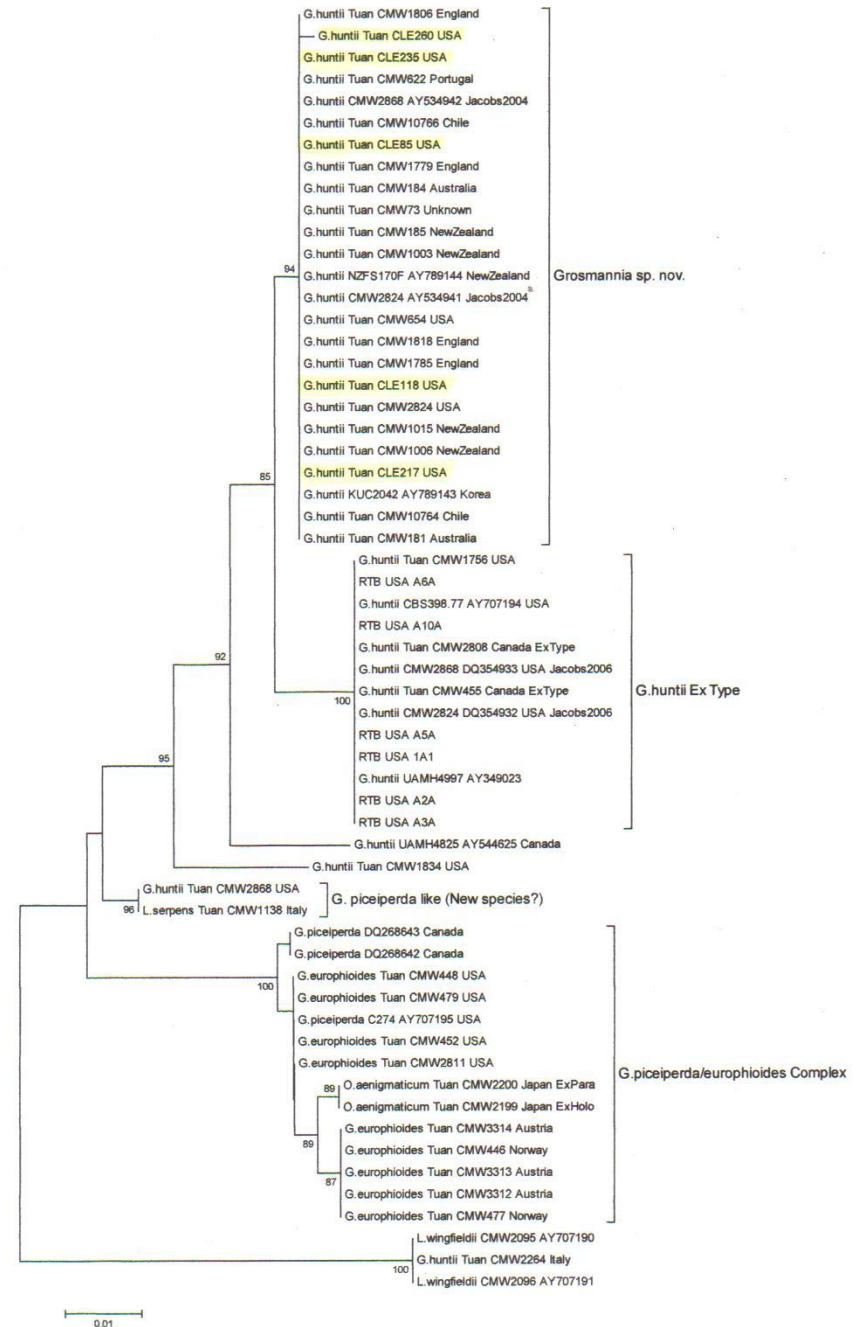
New *Ophiostoma*'s (AL)



New *Ophiostoma* (GA)

- *L. serpens*
 - Now – *G. alacris*
 - Introduced from Europe
- *G. huntii*
 - New name to come
 - Introduction from ??

Update



- 100 Feral Hogs sampled 2006
- Currently sampling 2010



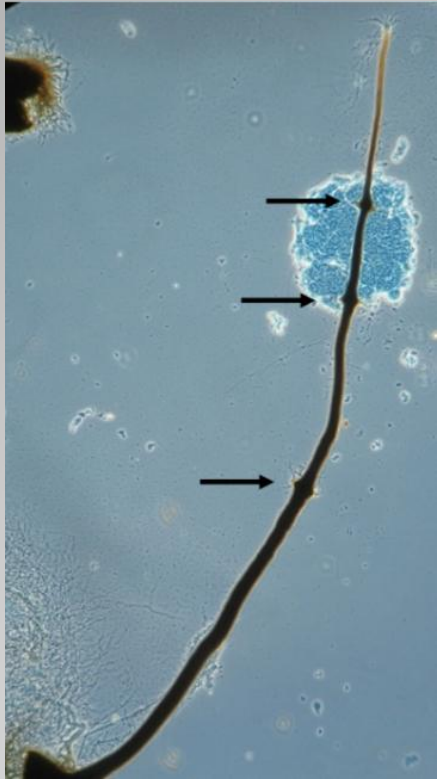
Feral Hogs and Bluestain Fungi

- Two new species of *Ophiostoma*
 - *Ophiostoma sparsiannulatum*
 - Also isolated from *Hylastes salebrosus*, *H. tenuis*, and *Dendroctonus terebrans*, as well as, root tissue from *P. teada* and *P. palustris*.
 - *Ophiostoma culverii*
 - Also isolated from root tissue from *P. teada* and *P. palustris*.
- *Leptographium procerum*

<i>L. procerum</i>	<i>L. sparsiannulatum</i>	<i>L. culverii</i>
48%	51%	67%

Feral Hogs and Bluestain Fungi

O. sparsiannulatum



O. culverii



Feral Hogs and Bluestain Fungi

- Visited 3 stands owned by Rayonier
 - Loblolly known to be infested
 - Loblolly thought not to be infested
 - Slash thought not to be infested



Timber Dogs and Pine Decline

- Site 1
 - 11 positive hits
 - 10 negative controls
- Site 2
 - 1 positive hit
 - 1 negative control
- Site 3
 - No positive hits
 - 2 negative controls

- Site 1
 - All 11 positive hits were positive for fungi
 - 50 % on the negative controls were positive
- Site 2
 - Positive hit was positive
- Site 3
 - No fungus found

Timber Dogs and Pine Decline

- Family Screening Study
 - Species
- Nutrition Study
 - Species
 - Families
- Timber Dogs
 - Trials
 - Management

Project Continuations



Questions?