

AU-FHC Advisory Meeting - FY 17

October 23 -24, 2017

SFWS Conference Hall

AGENDA

<u>TIME</u>	<u>EVENT</u>	<u>SPEAKER</u>
<i>Monday – October 23</i>		
11:00 – 1:00	Registration	Elizabeth Bowersock
1:00 – 1:05	Introduction – Welcome	Dr. Janaki Alavalapati SFWS Dean
1:05 – 1:10	Housekeeping	Dr. Lori Eckhardt
<i>Forest Health Dynamics Lab Project Updates</i>		
1:10 – 1:20	Forest Health Cooperative Diagnostics Laboratory Update and Sudden Oak Death Survey Laboratory Update	Luis Mendez Research Assistants
1:20 – 1:40	Screening elite loblolly pine families for structural integrity with near infrared-based chemometric models and acoustics	Charles Essien Ph.D. Student
1:40 – 2:00	Variation in tolerance of several loblolly pine families to <i>Leptographium terebrantis</i> and <i>Grosmannia huntii</i>	Dr. Pratima Devkota Postdoc, MSU
2:00 – 2:20	The role of <i>Leptographium terebrantis</i> and <i>Grosmannia huntii</i> invasion in driving drought-related decline in loblolly pine	Dr. Pratima Devkota Postdoc, MSU
2:20 – 2:40	Driving towards biocontrol of ophiostomatoid fungi by plant growth-promoting rhizobacteria	Dr. Pratima Devkota Postdoc, MSU
2:40 – 3:00	Intra-species variation in response of mature loblolly pine to root-infecting ophiostomatoid fungi	Dr. Pratima Devkota Postdoc, MSU
3:00 – 3:30	BREAK	
3:30 – 4:15	The effect of <i>Sirex</i> spp. woodwasps and their fungal associates on Alabama forest health	Dr. Lori Eckhardt Director
4:15 – 4:50	Pathogenicity of <i>Leptographium terebrantis</i> to loblolly pine: effect of inoculum density	John Mensah Ph.D. Students
4:50 – 5:15	Physiological response of loblolly pine to <i>Leptographium</i> <i>terebrantis</i> in a naturally regenerated stand	John Mensah Ph.D. Student
5:15 – 5:30	Quantifying the impact of pine decline in the southeastern United States (Overview)	Dr. Ryan Nadel Assistant Research Professor

5:30 – 6:00	Final Discussion – Questions	Dr. Lori Eckhardt Director
6:00	Adjourn for the Day	
6:00 – 7:00	SOCIAL AND POSTERS	

Poster Presentations:

1. Ahl, J.B., Eckhardt, L.G. and Beach, J.M. Can you identify spores of fungal species on coleopteran with hyperspectral interferometry?
2. Essien, C., Via, B.K., Gallagher, T., McDonald, T., and Eckhardt, L.G. Does tree species susceptibility to root feeding fungi affects wood quality?
3. Essien, C., Via, B.K., Gallagher, T., McDonald, T., and Eckhardt, L.G. Rapid characterization of genetically improved loblolly pine families using acoustic technique.
4. Acquah, G., Via, B.K., Eckhardt, L.G., Fasina, O.O. and Billor, N. Near Infrared based Partial Least Squares Regression Models for Predicting the Strength and Basic Density of Disease Tolerant *Pinus taeda* Families.
5. Wahl, A.C., Nadel, R.L., Slippers, B. and Eckhardt, L.G. A survey for *Sirex noctilio* and native woodwasps in Alabama.
6. Duwadi, S., Nadel, R., Feng, Y., and Eckhardt, L.G. Study of soil microbial biomass and soil moisture in loblolly pine (*Pinus taeda*) stand.

Tuesday – October 24

7:00 – 7:45	Breakfast	
7:45 – 8:00	Nanocellulose/lignin: Possible BB Control	Dr. Sole Peresin SFWS
8:00 – 8:30	Business Meeting	Dr. Lori Eckhardt Director
8:30 – 9:00	Budget Review	Dr. Lori Eckhardt Director
9:30 – 11:00	Travel to Eufaula	
11:00 – 12:00	Lunch (Provided)	
12:00 – 2:00	Field Tour at “Decline Study”	
2:00	Adjourn – Have a Safe Trip Home!	