

Forest Health Journal Club Schedule

Spring 2016

Thursdays 12-1, T. P. Cooper Conference Room

~ 7 participants each week

Date	Discussion leader	Topic/Paper to be discussed
Jan 21	Ellen Crocker	Goldspotted Oak Borer infestation in California <ul style="list-style-type: none"> • Lopez et al, 2014. Population genetics of goldspotted oak borer, <i>Agrilus auroguttatus</i> Schaeffer (Coleoptera: Buprestidae): investigating the origin of an invasive pest of native oaks in California. <i>Biological Invasions</i> 16: 2393-2402.
Feb 4	Xiaoshu Li	Delphi survey methods <ul style="list-style-type: none"> • MacMillan D.C. and K. Marshall. 2006. The Delphi process- an expert- based approach to ecological modeling in data-poor environments. <i>Animal Conservation</i>, 9: 11-19.
Feb 18	Tyler Dreaden	Assisted Migration <ul style="list-style-type: none"> • Williams, M. I. and R. K. Dumroese. 2013. Preparing for climate change: forestry and assisted migration. <i>Journal of Forestry</i> 111 (4): 287-297 • McLachlan, J. S., Hellman, J. J., and M. W. Schwartz. 2007. A framework for debate of assisted migration in an era of climate change. <i>Conservation Biology</i> 2: 297-302
March 3	Jian Yang	Follow-up on seminars by David Nowak <ul style="list-style-type: none"> ▪ Shirley, S.R., Moser, W.K., Nowak, D.J., Miles, P.D., Butler, B.J., Aguilar, F.X., DeSantis, R.D. and E.J. Greenfield. 2014. Five Anthropogenic Factors That Will Radically Alter Forest Conditions and Management Needs in the Northern United States. <i>Forest Science</i>, 914-925. ▪ Holdenrieder, O., Pautasso, M., Weisberg, P.J., and D. Lonsdale. 2004. Tree diseases and landscape processes: the challenge of landscape pathology. <i>Trends in Ecology and Evolution</i>, vol 19, 8: 446-452.
March 17	Billy Thomas	Opposition to GE trees <ul style="list-style-type: none"> ▪ Bailey, C., Sinclair, P. R., and M. R. Dubois. 2004. Future Forests: Forecasting Social and Ecological Consequences of Genetic Engineering. <i>Society and Natural Resources</i>, 17:7, 641-50. ▪ S. Stauss. 2015. Biotech and Forest Health: Creating a Path for Pragmatism. <i>Forestry Source</i>, 20-11.
March 31	Thais Barros Rodriguez	RNAi progress with the Emerald Ash Borer <ul style="list-style-type: none"> ▪ Scott et al., 2013. Towards the elements of successful insect RNAi. <i>Journal of Insect Physiology</i>, 59: 1212-1221. ▪ S. R. Palli, 2014. RNA interference in Colorado potato beetle: steps toward development of dsRNA as a commercial insecticide. <i>Curr Opin Insect Sci</i>, 6: 1-8.
April 14	Kenton Sena	Theories in restoration ecology <ul style="list-style-type: none"> ▪ Hobbs et al., 2006. Novel ecosystems: theoretical and management aspects of the new ecological world order. <i>Global Ecology and Biogeography</i>, 15: 1-7. ▪ Corbin and Holl, 2012. Applied nucleation as a forest restoration strategy. <i>Forest Ecology and Management</i> 265: 37-46.
April 28	Anna Conrad	New techniques to detect tree stress <ul style="list-style-type: none"> ▪ Sankaran et al., 2010. A review of advanced techniques for detecting plant diseases. <i>Computers and Electronics in Agriculture</i>, 72: 1-13. ▪ Finley et al., 2016. Use of near-infrared spectroscopy as an indicator of emerald ash borer infestation in white ash stem tissue. <i>Forest Ecology and Management</i>, 366: 41-52.