Multifactor analysis of fungal and bacterial community structure in the root microbiome of *Populus deltoides*

Contact: Christopher W. Schadt, (865) 576-3982, schadtcw@ornl.gov

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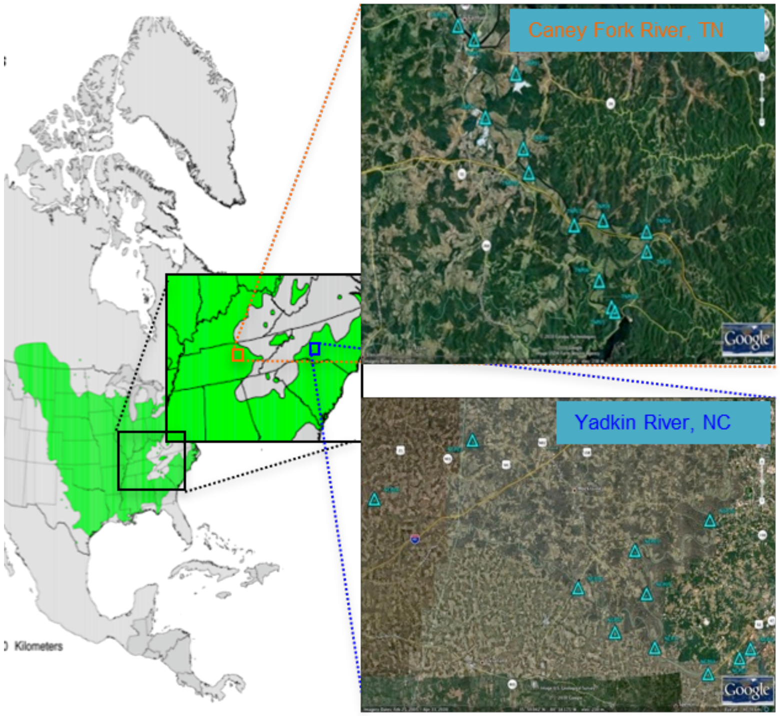

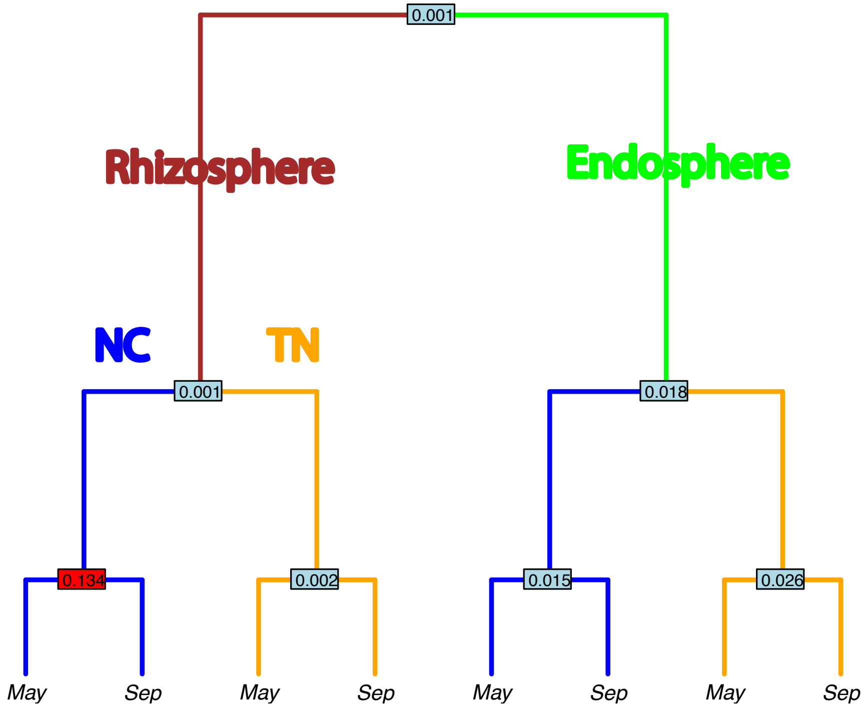

- Comprehensive study of two watershed level *P. deltoides* populations in North Carolina and Tennessee
- Found bacterial and fungal microbiomes varied across habitat niche (inside vs. outside the root), space (between watersheds), and often season (spring vs. fall)
- Soil characteristics and/or host genotype also appeared to have effects but could not separate due to covariation within the datasets

Shakya et al. A multifactor analysis of fungal and bacterial community structure in the root microbiome of mature *Populus deltoides* trees. *PLoS ONE*. In Press.