

3 Part I: The impact of plant phylogenies on tropical ecology and evolutionary studies

Organizer by:

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- 09:50 Introduction –Tropical ecologists enjoying phylogenetic trees
Cam Webb. Arnold Arboretum, Indonesia. cwebb@oeb.harvard.edu
- 10:00 Phylogenetic structure of communities and traits in tropical woody plants
Chave Jerome, Suchet Claire and ter Steege Hans
- 10:20 Using phylogenies to integrate ecological and evolutionary studies of trait tradeoffs in Amazonian plants
Fine Paul, Mesones Italo and Baraloto Christopher
- 10:40 Ecological diversification of Neotropical lianas (Bignoniaceae, Bignoniaceae): An integrative approach
Lohmann Lucia
- 11:00 Coffee break
- 11:20 Using plant phylogenies to understand patterns of dispersal assembly and niche conservation in the rain forests and seasonally dry forests of the Neotropics
Pennington R. Toby, Lavin Matt and Torke Benjamin
- 11:40 Modeling niche conservation with community phylogenetic distance as a response variable: a model selection approach to the identification of metacommunities
Ary Oliveira-Filho, Toby Pennington, Jay Rotella, and Matt Lavin
- 12:00 Neither trees nor herbs: the evolution of giant rosettes and other adaptations in the Agavaceae family
Eguiarte Luis E., Flores Abreu Ileana Nuri, Souza Valeria, Good-Avila Sara V. and Garcia-Mendoza Abisai
- 12:20 Lunch

3 Part II: The impact of plant phylogenies on tropical ecology and evolutionary studies

- 14:00 Extreme long distance dispersal of a lowland rainforest tree (*Ceiba pentandra*: Malvaceae) across the Neotropics and Africa
Christopher W. Dick, Eldredge Bermingham, Maristerra R. Lemes and Rogerio Gribel
- 14:20 Phyloepidemiology: ecological consequences of the phylogenetic signal in plant pathogen host ranges
Gilbert Gregory and Webb Campbell
- 14:40 Phylogeny and the ecological distribution of C4 grasses
Edwards Erika J. and Still Chris J.
- 15:00 Coffee break
- 15:20 Diversification in tropical wet forests: Evolution of *Piper* in the Neotropics

Jaramillo Sierra M. Alejandra

15:40 The origin and radiation of the Andean Espeletiinae: do chloroplast and nuclear gene phylogenies disagree?

Rauscher Jason Rauscher

16:00 The evolutionary history of the fig-fig wasp mutualism

Carlos A. Machado

16:20 Conclusion Symposium