

## **# 21 Part I Functional Ecology of Tropical Plant Communities**

Organizer by:

- Horacio Paz, Centro de Investigaciones en Ecosistemas, Universidad Nacional Autónoma de México
- Lourens Poorter, Forest Ecology and Forest Management Group, Centre for Ecosystem Studies, Wageningen University
- Louis Santiago, Department of Botany and Plant Sciences, University of California, Riverside
- Kaoru Kitajima, Department of Botany, University of Florida

09:50 **Overview** by Symposium Organizer

10:00 Whole-plant light compensation points and the meaning and measurement of shade tolerance in tropical trees  
**Thomas Sean C.** and **Baltzer Jennifer L.**

10:20 Differences in whole-plant carbon gain between pioneer species in the early phases of secondary succession in tropical rain forest  
**Anten Niels, Oomen Roelof** and **Selaya Galia**

10:40 Dynamic photosynthetic responses and light gradient partitioning  
**Montgomery Rebecca A.**<sup>1</sup> and **Givnish Thomas J.**<sup>2</sup>

11:00 Coffee break

11:20 Ecological benefits and costs of physical defense in tropical tree seedlings  
**Kitajima Kaoru**

11:40 Functional analysis of palm allometry: do morphological constraints determine palm distribution across light environments?  
**Avalos Gerardo, Gei Maria Gabriela, Fernandez Mauricio** and **Sylvester Olivia**

12:00 Are species adapted to their regeneration niche, adult niche, or both?  
**Poorter Lourens**

12:30 Lunch

## **# 21 Part II Functional Ecology of Tropical Plant Communities**

14:00 Drought tolerance strategies of tropical forest plants from contrasting habitats  
**Santiago Louis**

14:20 Drought tolerance and water relations: Regional and global perspectives  
**Zanne Amy, Ackerly David, Coomes David** and **Wright Ian**

14:40 Plant Hydraulic Strategies in Subtropical Shrub Communities  
**Bhaskar Radika, Ackerly David** and **Valiente-Banuet Alfonso,**

15:00 Coffee break

15:20 Divergence of adaptive traits to wet vs. dry microhabitats in a tropical dry forest  
**Paz Horacio** and **Pineda-Garcia Fernando**

- 15:40 Seedling traits determine drought survival and distribution of Bolivian tropical tree species  
**Markestijn Lars** and **Poorter Lourens**
- 16:00 Staying and Leaving... Functional Traits Along Gradients of Tropical Dry Forest Succession  
**Lebrija-Trejos Edwin, Peters Erik, Perez-Garcia Eduardo A., Meave Jorge A., Bongers Frans<sup>3</sup>** and **Paz Horacio**
- 16:20 Conclusion Symposium