

# Trees and the Global Environment

April 29-30, 2010  
6<sup>th</sup> Annual Harvard  
Plant Biology Symposium

## Day 1 – April 29<sup>th</sup>

9:00-9:15am	Eva Pell, Smithsonian Institution – Introductory Comments
9:15-10:00am	Stephen Pacala, Princeton University – Scaling from physiology to the globe in models of forest dynamics
10:00-10:45am	Deborah Clark, University of Missouri-St. Louis / OTS – Tropical forests in a changing world: Profound global implications and the evolving evidence
10:45-11:15am	<i>TEA</i>
11:15-12:00pm	Steven Wofsy, Harvard University – Do forests really sequester carbon: A critical reassessment based on case studies spanning the climate spectrum
12:00-1:00pm	<i>LUNCH</i>
1:00-1:45pm	Peter Reich, University of Minnesota – Linking plant traits, community dynamics, and ecosystems processes across scales: Why might this matter in a changing world?
1:45-2:30pm	Tom Bruns, University of California, Berkeley – Dispersal of ectomycorrhizal fungi through space and time during post-fire regeneration of pine forests
2:30-3:00pm	<i>TEA</i>
3:00-3:45pm	David Neale, University of California, Davis – Development and application of genomic-based tools to manage forest tree populations in response to climate change
3:45-4:30pm	Anna Sala, University of Montana – Physiological mechanisms of drought-induced tree mortality: There is much to learn
4:45-6:00pm	<i>RECEPTION</i>

## Day 2 – April 30<sup>th</sup>

9:00-9:45am	Jeffrey Vincent, Duke University – Valuing changes in tropical rainforests
9:45-10:30am	Gregory Asner, Carnegie Institution for Science / Stanford University – Chemical phylogeny and remote sensing of tropical canopies
10:30-11:00am	<i>TEA</i>
11:00-11:45am	Jason McLachlan, University of Notre Dame – Anticipating the combined impact of forest fragmentation and climate-driven range shifts on forest genetics
11:45-12:30pm	Helene Muller-Landau, Smithsonian Tropical Research Institute – The tolerance-fecundity tradeoff and the maintenance of seed size diversity in variable and changing environments
12:30-1:30pm	<i>LUNCH</i>
1:30-2:15pm	Richard Condit, Smithsonian Tropical Research Institute – Impact of environment and species input on diversity in stochastic community models and Center for Tropical Forest Science plots
2:15-3:00pm	Yadvinder Malhi, Oxford University – The productivity and carbon cycle of lowland and montane tropical forests in Amazonia
3:00-3:15pm	<i>TEA</i>
3:15-4:00pm	Daniel Nepstad, Woods Hole Research Center – Managing the Amazon forest dieback

