



Australian
National
University

PhD Exit Seminar: Leaf respiration in tropical and temperate wet forest tree species: responses to environmental gradients

Friday 25 October 2013 1 – 2pm

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Slatyer seminar room R.N. Robertson Building (Bldg. 46), Linnaeus Way, ANU



Tropical and temperate wet forests often show high rates of net primary production, with wet forests playing a major role in controlling current and future atmospheric CO₂ concentrations, and the total amount of carbon stored in vegetation globally. Although quite a few studies have quantified photosynthetic CO₂ uptake in wet forest ecosystems, little is known about variations in rates of leaf respiratory CO₂ release in wet forest ecosystems.

My PhD thesis research has focused on quantifying rates leaf respiration and how changes in the environment (e.g. short- and long-term changes in temperature, gradients in nutrient availability and light) affect respiration in wet forest species. In this seminar, I will outline my findings, focussing on how short- and long-term changes in temperature, as well as gradients in nutrient availability/light, impact on rates of leaf respiration in wet forest species in Australia (Qld and Tasmania) and Peru (Amazon and Andes).

Presented by

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This lecture is free and open to the public

Plant Science Seminar Series information:

biology.anu.edu.au/News/events-ps.php

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