

Seminar

Linking ecological patterns to processes: Simple modelling approaches

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Ecological patterns arise from complex interplay between processes that act at different spatial and temporal scales. It requires different modelling approaches that work for available empirical data and provides excellent opportunities to apply theory in interesting ways. I present two approaches that aim to explain the coexistence patterns of Andean Hummingbirds and ultra-diverse tree species in tropical forests from the central and south Americas. First, I test the performances of ecological theory-driven hypotheses that best explain the occurrences of 9 Hummingbird species along steep elevation gradients and in presence of each other. Second, I use a theory-agnostic approach to measure the spatial proximity of tree species pairs in ~400 sp. rich community and link the patterns to local environmental and soil nutrient gradients.

Wednesday, May 13th 2026

16:00 Hrs (Tea / Coffee 15:45 Hrs)

CR-4, TIFRH