

DRAFT OUTLINE FOR BIOL 645, BIODIVERSITY SCIENCE INTENSIVE SCHOOL (25 November – 6 December 2013)

CO-ORDINATORS: Jonathan Davies, Pedro Peres-Neto & Jean-Philippe Lessard

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	25 November	26 November	27 November	28 November	29 November	30 November
	<p>a.m. Travel to Mont St-Hilaire</p> <p>Welcome (TJD, PPN & JPL)</p>	<p>a.m. Aims and overview of course (TJD, PPN & JPL)</p>	<p>a.m.: Genetic and genomic biodiversity: (Rowan Barrett)</p>	<p>a.m. Introduction to R for ecologists (Steve Kembel)</p>	<p>a.m. Ecological networks: theory and analytical tools (Dominique Gravel)</p>	<p>Beta diversity and ordination of community data; spatial eigenfunction analysis (Pierre Legendre)</p>
	<p>p.m. Key Note (Graham Bell)</p> <p>3:30PM Introduction to Gault (Gregor Fussman), and walk in the woods</p>	<p>p.m. Large-scale patterns of species diversity and distributions (J.-P. Lessard)</p>	<p>p.m.: DNA barcoding (Alexander Smith)</p>	<p>p.m. Community phylogenetics (Steve Kembel)</p>	<p>p.m. Single- and multi-species distributional modelling (Pedro Peres-Neto)</p>	
	<p>Evening: Monterey Flora (Marty Lechowicz)</p>	<p>Evening: Incorporation of biodiversity into forest management (Christian Messier)</p>	<p>Evening : Patterns and consequences of local-scale plant biodiversity change over time (Mark Vellend)</p>			

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1 December	2 December	3 December	4 December	5 December	6 December	
DAY OFF	a.m. Zoonotic disease and climate change (Virginie Millien)	a.m. Conservation of Biodiversity in Tropical Ecosystems (Catherine Potvin)	a.m.: conservation economics: theoretical framework and tools to value nature (Jerome Dupras)	a.m.: Biodiversity, Ecosystem Function and Services (Andy Gonzalez)	a.m. Project presentations and wrap-up	
	p.m. Phylogenetic Comparative Methods (Jonathan Davies)	p.m.: The genetics of aquatic invasions (Melania Cristescu)	p.m.: Endangered species legislation and the conservation of biodiversity (Marco Festa-Bianchet)	p.m. project	p.m. Return to Montreal	
		Evening: Law and the Environment (Jaye Ellis)	Evening: Human influence on the tropical fauna (Sophie Calmé)			