

Annual New Zealand Phylogenetics Conference
Whitianga '05
13.-17. February 2005

Aotearoa Lodge
70, Racecourse Road
P O Box 96
Whitianga
Coromandel Peninsula
New Zealand

Saturday, 12. February: Ice Breaker- Wine & Cheese: 6pm-9pm

Sunday, 13. February:

9.00	Genetic Diversity of Collembola in Wright and Victoria Valleys, southern Victoria Land Angela McGaughran
9.30	Living Fossils or Island Hoppers: Molecular Studies of the Origins and Dispersal of <i>Cryptopygus antarcticus</i> in the Southern Hemisphere Mark I. Stevens
10.00	Progress in the Systematics and Evolution of New Zealand Cicada and their relatives World Wide Chris Simon
10.30-11.00	Morning tea
11.00	Penguins: A Test of the "Out of Antarctica Hypothesis" Russell Gray
11.30	Bison Population Dynamics Through Space and Time Beth Shapiro
12.00-14.00	Lunch
14.00	Some Open Problems in Ancestral Analysis of Sequences and Individuals Jotun Hein
14.30	Analyses of Nested Tandem Repeat Sequences Mike Hendy
15.00-15.30	Afternoon tea
15.30	Accuracy and Precision in Bayesian Phylogenetics Alexei Drummond

16.00	Representation Theory, Classical Invariants and Phylogenetics Jeremy G. Sumner
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Monday, 14. February:

9.00	Weighted Parsimony and Maximum Likelihood Daniel Ford
9.30	Likelihood-based Mixture Models for Phylogenetic Inference Mark Pagel
10.00	Maximum Likelihood of Evolutionary Trees is Hard Benny Chor
10.30-11.00	Morning tea
11.00	Pruning, Regrafting, Forests, and Hybrids Charles Semple
11.30	Investigating Properties of Multiple Local Optima in Phylogenetic Tree Searches Klaus Schliep
12.00-14.00	Lunch
14.00	Language Trees - What Difference Does an Ancestor Make? Quentin Atkinson
14.30	Which Words Can Tell the Story of Chinese Dialects? Mahé Ben Hamed
15.00-15.30	Afternoon tea
15.30	Faith in Grammar: The Evolution of Language Features Simon Greenhill
16.00-16.30	Phylogenetics of Medieval Manuscripts Chris Howe
16.30-17.00	Genome-scale Phylogeny and the Challenge of Asymmetric Evolutionary Processes Barbara Holland

**Tuesday, 15. February: free
BBQ: 6pm-8pm**

Wednesday, 16. February:

9.00	Research on the Antennas of Photosynthetic Plants and Bacteria Yinan Zhang
9.30	The Dinoflagellate Chloroplast Genome Ellen Nisbet
10.00	Building and Fitting Models of Human and Bird Meme-ancestry Geoff Nicholls
10.30-11.00	Morning tea
11.00	Kowhai – Modelling Epidemiological Parameters in a Cophylogenetic Framework Michael Charleston
11.30	Applications of Phylogenetic Methods to Post-Microarray Analysis Susan Holmes
12.00-14.00	Lunch
14.00	Some Analytical Results on the Thorne-Kishino-Felsenstein Model of Sequence Evolution Bhalchandra Thatte
14.30	Lineage Specific Processes of Sequence Evolution Peter Lockhart
15.00-15.30	Afternoon tea
15.30	Full Markov Analysis of Four or More Taxa Michael Woodhams
16.00-16.30	Deep Divergences in Practice David Penny
16.30-17.00	The Perfect Phylogeny Problem and the Relation Graph Katharina Huber

Thursday 17. February:

9.00	A New Way to Look at Quartet Compatibility Stefan Grünewald
9.30	Phylogenetic Diversity Mike Steel
10.00	Supernetworks from Quartets Vincent Moulton
10.30-11.00	Morning tea
11.00	Measures of Phylogenetic Support on

	Large Data Sets Thomas R. Buckley
11.30	Phylogenetic Inference with Multiple Data Sets Leon Poladian
12.00	The Evolution of Plastids, Part IV Tony Larkum