

Monday

- 8.45am Peter Lockhart **Welcome**
9.10am Mike Steel **Reconstructing phylogenies from characters on a large state space**
9.50am Susan Holmes **The geometry of the space of phylogenetic trees**
- 10.30am **morning tea**
- 11.00am Thomas Hagedorn **Calculating Invariants for the General Model**
11.40am Rissa Ota **Appropriate Likelihood Ratio Tests and Marginal Distributions for Evolutionary Tree Models with Constraints on Parameters**
12.00am Vincent Moulton **Some recent results in phylogenetic combinatorics**
- 12.30pm **lunch**
- 2.00pm Daniel H. Huson **Assembly of the Human Genome**
2.40pm Lindell Bromham **Endogenous retroviruses: data mining, phylogenetics and the risk of cross-species transmission**
- 3.00pm **afternoon tea**
- 3.30pm Anthony Poole **Searching genomes for RNA world relics**
3.50pm Paul Gardner **ncRNA Gene Location Based on RNA Secondary Structure**
4.10pm Matthew Goode **Overview of the Ceb1 application environment underlying the Pebble**

Tuesday

- 9.00am Dorit Liebers **Pattern of nucleotide substitution and rate heterogeneity in the HVR-I of the mitochondrial control region in large white-headed gulls (*Larus argentatus* - *fuscus* - *cachinnans* complex)**
9.40am Meg Woolfit **Tempo and mode of molecular evolution in island radiations**
10.00am Chris Simon **Molecular Clocks, Geology, and the origins of New Zealand Cicadas**
- 10.30am **morning tea**
- 11.00am Rob Smissen **A 'total-evidence' approach to knawel (*Scleranthus*) phylogeny and biogeography**
11.20am Alexei Drummond **The inference of step-wise changes in substitution rates using serial sequence samples**
11.40am Barbara Holland **Median Networks: A visual representation of ancient Adelie Penguin DNA**
12.00am Peter Lockhart **Alpine buttercups**
- 12.30am **lunch**
- 2.00pm Sverker Edvardsson **Climatic variations over 1 million years before present from an astrophysical viewpoint: ice ages and global temperatures**
2.20pm Alan Cooper **Complete mitochondrial genome sequences of two extinct moas clarify ratite evolution**
2.40pm Charles Semple **Hybrid Phylogenies**
- 3.00pm **afternoon tea**
- 3.30pm Lynne van Herwerden **Extensive mitochondrial introgression in a tropical reef fish (*Acanthochromis polyacanthus*) at a contact zone between colour morphs**
3.50pm Andy McKenzie **Some Distance and Balance Properties of a Simple Speciation Model**
4.10pm Madeleine JH van Oppen **Reticulate evolution in reef corals of the genus *Acropora***

Wednesday night

- 7.30pm Lars S. Jermini **Mitochondrial DNA Sequences in Ancient Australians: Implications for Modern Human Origins**
8.00pm David Penny **Another major challenge to the classical Multiregional Model?**

Thursday

- 8.45-9.50am **breakfast at the Chateau**
- 10.00am Russell Gray **Recovering reticulation in human evolution: trees, split graphs, and Pacific language**
10.40am Matthew E. Hurles **The Y-chromosomal origins of Oceanic-speaking populations**
11.00am Andrew Rambaut **Phylogenetic Tree structure and the origins of HIV 1**
11.20am Allen Rodrigo **The complexity of HIV evolution**
12.00am Michael Charleston **Principles of co-phylogeny on HIV and primate co-evolution**
- 12.30pm **lunch**
- 2.00pm Kerryln Slack and Abby Harrison **Mitochondrial Genomes and Avian Phylogeny**
2.20pm Matthew Phillips **Mammal Phylogeny and Evolutionary Stable Niche Discontinuities**
2.40pm Yu-hsin Owen Lin **A Stable Tree for eutherian mammals?**
- 3.00pm **afternoon tea**
- 3.30pm Alex Grossman **Evolutionary individuality of amino acids**
4.10pm Lars Jermini **Jumping Genes and Slithering Proteins: A Tale About Genes and Proteins Migrating Between Genomes**

Friday

- 9.00am Tony Larkum **Will the hypothesis of a single plastid origin be (dis) proven?**
9.40am David Bryant **From gene orders to phylogeny**
- 10.00am **morning tea**
- 10.30am Nadia El-Mabrouk **Reconstructing ancestral genomes by reversals and multiple gene duplication**
10.50am David Penny **Reality Check**
- 11.45am **early lunch**