

**XIIIth Workshop on
Mathematical and Statistical Aspects of Molecular Biology
University of Newcastle
Provisional Programme**

Monday March 31st

- 11.00 Coffee and Registration
12.30 Lunch
13.45 Darren Wilkinson (Newcastle)
Stochastic modelling and inference for genetic regulatory networks
14.30 John Brookfield (Nottingham)
Phylogenies of mobile DNA sequences: is there a master gene?
15.15 Simon Whelan (Cambridge)
Estimating how frequently mutations causing multiple nucleotide changes occur
16.00 Tea
16.30 Richard Boys (Newcastle)
DNA sequence segmentation using hidden Markov models
17.15 Wally Gilks (Cambridge)
Probabilistic genome mapping of sequence contigs
18.15 Poster Session
19.00 Dinner

Tuesday April 1st

- 09.15 Nick Goldman (Cambridge)
Families of replacement matrices with fixed equilibrium frequencies
10.00 Ziheng Yang (London)
Estimation of divergence rates
10.45 Coffee
11.15 Alun Thomas (Salt Lake City)
A model for the structure of yeast two-hybrid protein-protein interaction graphs
12.00 Jacqueline Civil (London)
Predicting protein-ligand binding affinity
13.00 Lunch
14.00 Paul-Michael Agapow (London)
Building worms; development as a computer
14.30 Tim Massingham (Cambridge)
Detecting non-neutrally evolving amino acid sites
15.15 Tom Kirkwood (Newcastle)
Towards a predictive biology of ageing
16.00 Tea and close of meeting