

DAY 1				DAY 2			
SESSION 1 Chair: Mike Benton FRS		SESSION 2		SESSION 3		SESSION 4	
09.00	Welcome by the Royal Society & Ziheng Yang FRS	Chair: Tracy Heath		Chair: Max Telford		Chair: Nick Goldman	
09.05	Ziheng Yang FRS & Philip Donoghue FRS Why do we need a molecular clock?	13.30	Fredrik Ronquist Closing the gap between rocks and clocks using total-evidence dating under the fossilized birth death model	09.00	Jeff Thorne Grouping substitution types into different relaxed molecular clocks	13.30	Emma Teeling Mammal madness: Is the mammal tree of life not resolved yet?
09.30	Steven Holland The non-uniformity of fossil preservation	14.00	John Huelsenbeck Examining the statistical behaviour of divergence-time estimation under the fossilized birth-death process	09.30	Bruce Rannala Do Bayesian credible intervals for divergence times lack credibility?	14.00	Davide Pisani Molecular paleobiology of arthropod terrestrialisation: is the gap closing?
10.00	Discussion	14.30	Discussion	10.00	Discussion	14.30	Discussion
10.20	Coffee & Posters	14.50	Tea & Posters	10.20	Coffee & Posters	14.50	Tea & Posters
11.00	Daniel Condon Extracting absolute chronologies from the stratigraphic record	15.30	Nicolas Lartillot At the crossroads between molecular dating, species diversification and morphological evolution	11.00	Mario dos Reis Uncertainty of Bayesian divergence time estimates and analysis of quantitative morphological characters	15.30	Beth Shapiro Inferring the influence of past climate change on megafaunal population dynamics
11.30	Tanja Stadler A unified framework for inferring phylogenies with fossils	16.00	Alexei Drummond 'Total-evidence' Bayesian estimation of phylogeny, divergence times and fossil age	11.30	Aylwyn Scally Mutation rates and the evolution of germline structure	16.00	Susanne Renner Fossilized birth/death dating applied to beeches (Fagus) and ferns (Osmundaceae), clades with excellent fossil records
12.00	Discussion	16.30	Discussion	12.00	Discussion	16.30	Discussion
12.20	LUNCH	17.00	CLOSE	12.20	LUNCH	17.00	CLOSE