



Phylogenetics and molecular dating in the genomic era.

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Genomic data present a rich source of information for improving and refining our knowledge of evolutionary relationships and timescales. These data sets present considerable challenges for analysis, given their size and the complexity of their evolutionary signals. In this talk, I will describe our recent phylogenetic and molecular dating analyses of genome-scale data sets from marsupials, birds, and flowering plants. I will also report on our ongoing studies of morphological and molecular evolutionary rates across the Tree of Life. I hope that our findings are useful to researchers working with phylogenomic data or analysing combined morphological and molecular data sets.

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