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**Lam Ho\*** ([lam.ho@dal.ca](mailto:lam.ho@dal.ca)). *Modelling phenotypic evolution using continuous-time Markov processes.*

Continuous-time Markov processes have been used extensively for modelling the evolution of a phenotype along an evolutionary tree. Estimating parameters of these evolutionary models provide insight into many important macroevolution questions. However, parameter estimation is challenging due to the fact that species are related to each other according to an evolutionary tree. In this talk, I will present recent developments which cut directly to the heart of this challenge. (Received September 02, 2019)