

Presentation title: Introduction to molecular phylogenetics

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Abstract

Molecular phylogenetics is an interesting and valuable scientific discipline because it allows us to draw inferences about the evolutionary patterns and processes that formed the basis for today's biodiversity. In this seminar, I will start by outlining the basis of phylogenetic research, before outlining the properties of phylogenetic trees and the phylogenetic methods' relevance. Subsequently, I will outline the nature of phylogenetic data and describe how we might model sequence changes that have occurred over time. Finally, I will introduce some of the phylogenetic methods that are used to analyze phylogenetic data.