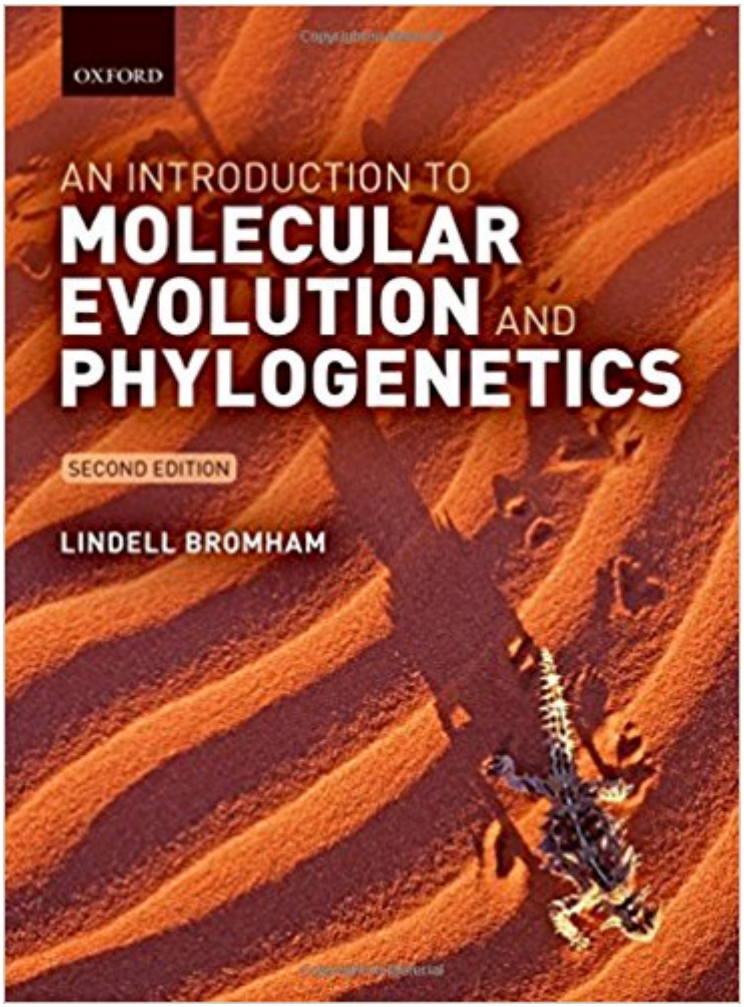
An Introduction To Molecular Evolution And Phylogenetics



Synopsis

DNA can be extracted and sequenced from a diverse range of biological samples, providing a vast amount of information about evolution and ecology. The analysis of DNA sequences contributes to evolutionary biology at all levels, from dating the origin of the biological kingdoms to untangling family relationships. An Introduction to Molecular Evolution and Phylogenetics presents the fundamental concepts and intellectual tools you need to understand how the genome records information about evolutionary past and processes, how that information can be "read," and what kinds of questions we can use that information to answer. Starting with evolutionary principles, and illustrated throughout with biological examples, it is the perfect starting point on the journey to an understanding of the way molecular data is used in modern biology. Online Resource Centre The Online Resource Centre features: For registered adopters of the book: - Class plans for one-hour hands-on sessions associated with each chapter - Figures from the textbook to view and download

Book Information

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Customer Reviews

`Engaging and entertaining writing, with concepts clearly conveyed in a way accessible to less numerate students. It is by far one of the most enjoyable and interesting text books on evolutionary genetics I have read.'Simon Goodman, University of Leeds`Nothing else comes close in terms of completeness and accessibility to our students. Reading the text is almost like having a conversation.'Lawrence Mays, University of North Carolina at Charlotte

Lindell Bromham, Professor, Research School of Biology, Australian National University.

Dr. Bromham writes in a clear and engaging manner, and explains both simple and complex concepts in a way that is easy to understand. She does an excellent job of recognizing key concepts, connecting related information, and providing real-world applications of the methods she presents. In addition to the content, it is clear that much thought was put into the design and layout of the book, with special effort made to make the reader's job easy. The book is modern and forward thinking in terms of information content, and covers both core concepts and cutting edge research in an accessible manner. This might be the best textbook I have used.