

[DOWNLOAD](#)

## Computational Molecular Evolution

By Ra Fisher Professor of Statistical Genetics Ziheng Yang

Oxford University Press, United Kingdom, 2006. Paperback. Book Condition: New. 231 x 155 mm. Language: English . Brand New Book. The field of molecular evolution has experienced explosive growth in recent years due to the rapid accumulation of genetic sequence data, continuous improvements to computer hardware and software, and the development of sophisticated analytical methods. The increasing availability of large genomic data sets requires powerful statistical methods to analyse and interpret them, generating both computational and conceptual challenges for the field. Computational Molecular Evolution provides an up-to-date and comprehensive coverage of modern statistical and computational methods used in molecular evolutionary analysis, such as maximum likelihood and Bayesian statistics. Yang describes the models, methods and algorithms that are most useful for analysing the ever-increasing supply of molecular sequence data, with a view to furthering our understanding of the evolution of genes and genomes. The book emphasizes essential concepts rather than mathematical proofs. It includes detailed derivations and implementation details, as well as numerous illustrations, worked examples, and exercises. It will be of relevance and use to students and professional researchers (both empiricists and theoreticians) in the fields of molecular phylogenetics, evolutionary biology, population genetics, mathematics, statistics and computer science. Biologists who...

[READ ONLINE](#)

### Reviews

*This composed book is excellent. This really is for all who statte that there had not been a worth reading through. Your life period will probably be change as soon as you total looking over this ebook.*

-- **Cheyenne Barrows**

*The book is fantastic and great. I have go through and i also am certain that i will planning to read through once more once more down the road. Its been printed in an exceedingly simple way and is particularly simply after i finished reading through this publication through which really changed me, change the way i think.*

-- **Hank Powlowski**