

Frontiers in Computational Genomics



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Computational biology and bioinformatics form a major, integral part of genomics. From sequence fragment assembly, to gene prediction, to prediction of protein functions and structure, to identification of regulatory signals in DNA, to building phylogenetic trees, it would not be an exaggeration to state that genomics is primarily computational. Major new programs, software and internet facilities have evolved recently that facilitate computational analysis and more novel technologies are currently being developed. Written by experts in the field, this volume highlights research on the emerging, perhaps somewhat controversial, topics in genomics and shows the feedback between the new developments and the established methods of computational biology.

An essential book for anyone involved in genomic science or bioinformatics.

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