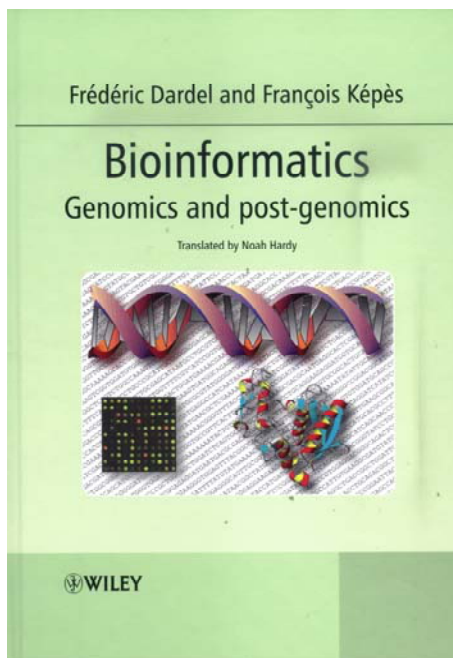


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BIOINFORMATICS

GENOMICS AND POST-GENOMICS



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Presented book, titled *Bioinformatics - Genomics and Post-Genomics*, provides a clear and concise introduction to the popular new science of bioinformatics. Bioinformatics is the science of integrating, managing, mining and interpreting information from biological data sets. This book will be very useful for the undergraduate and post-graduate students studying biological and computer science/informatics with an interest in bioinformatics, and especially those that analyze genomic and post-genomic data. *Bioinformatics - Genomics and Post-Genomics* comprise of:

- brief introduction to gene structure and sequence determination
- techniques used to identify genes, their protein-coding sequences and regulatory region
- methodology of comparative genomics, using information from different organisms to deduce information about unknown sequences
- comprehensive chapter on structure prediction, covering both RNS and protein
- complex networks of RNA and protein that exist within the cell and their interactions
- simulation approaches, that can be used to model these networks.

This book can be useful also for a post-doctoral researchers and more senior researchers in academia, as well as in industry that are interested in bioinformatics and genomics.

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