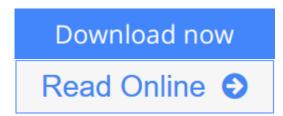


## **Bioinformatics and Functional Genomics**

By Jonathan Pevsner



#### Bioinformatics and Functional Genomics By Jonathan Pevsner

The bestselling introduction to bioinformatics and functional genomics—now in an updated edition

Widely received in its previous edition, *Bioinformatics and Functional Genomics* offers the most broad-based introduction to this explosive new discipline. Now in a thoroughly updated and expanded *Second Edition*, it continues to be the go-to source for students and professionals involved in biomedical research.

This edition provides up-to-the-minute coverage of the fields of bioinformatics and genomics. Features new to this edition include:

- Several fundamentally important proteins, such as globins, histones, insulin, and albumins, are included to better show how to apply bioinformatics tools to basic biological questions.
- A completely updated **companion web site**, which will be updated as new information becomes available visit

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- Descriptions of genome sequencing projects spanning the tree of life.
- A stronger focus on how bioinformatics tools are used to understand human disease.

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Bioinformatics and Functional Genomics, Second Edition serves as an excellent single-source textbook for advanced undergraduate and beginning graduate-level courses in the biological sciences and computer sciences. It is also an indispensable resource for biologists in a broad variety of disciplines who use the tools of bioinformatics and genomics to study particular research problems; bioinformaticists and computer scientists who develop computer algorithms and databases; and medical researchers and clinicians who want to understand the genomic basis of viral, bacterial, parasitic, or other diseases.

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- "...this appears to be an excellent textbook for graduate students and upper level undergraduate students." (*Annals of Biomedical Engineering*, July 2004, 32, 7)
- "...highly recommended for academic and medical libraries, and for researchers as an introduction and reference..." (*E-Streams*, Vol. 7, No. 4)
- "...an intriguing work targeted toward biologists wanting to solve problems...provides a compendium of many biological insights and breakthroughs and will be a useful resource...highly recommended." (*Choice*, Vol. 41, No. 7, March 2004)

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