



TEXT BOOK OF BIOINFORMATICS

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Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | Introduction to Bioinformatics | Bioinformatics is the application of statistics and computer science to the field of molecular biology. The term bioinformatics was coined by Paulien Hogeweg and Ben Hesper in 1978 for the study of informatic processes in biotic systems. Its primary use since at least the late 1980s has been in genomics and genetics, particularly in those areas of genomics involving large-scale DNA sequencing. Bioinformatics now entails the creation and advancement of databases, algorithms, computational and statistical techniques and theory to solve formal and practical problems arising from the management and analysis of biological data. Over the past few decades rapid developments in genomic and other molecular research technologies and developments in information technologies have combined to produce a tremendous amount of information related to molecular biology. It is the name given to these mathematical and computing approaches used to glean understanding of biological processes. Common activities in bioinformatics include mapping and analyzing DNA and protein sequences, aligning different DNA and protein sequences to compare them and creating and viewing 3-D models of protein structures. | Format: Paperback | Language/Sprache: english | 176 gr | 220x150x6 mm | 120 pp.



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