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Bioinformatics

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Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | Biologist Manual | Bioinformatics provides both the platform technologies that enable scientists to deal with the large amounts of data produced through their biological experiment as well as the approach to interpret these data. Bioinformatics tools can be applied from single cells to whole ecosystems and give the modern scientists new skills. Those skill enabled modern biologist to gain better insight in the complexity of cell biology and genomics, understanding the genotype-phenotype connection for plant diseases, understanding structure to function relationships for proteins, and understanding biological network, finding similar genes (homolog and paralogs) in the DNA sequences of various organisms, developing methods to predict the structure and/or function of newly discovered proteins and structural RNA sequences, clustering protein sequences into families of related sequences and the development of protein models and aligning similar proteins and generating phylogenetic trees to examine evolutionary relationships. This book is a collection of my articles about some bioinformatics applications and tools. | Format: Paperback | Language/Sprache: english | 160 gr | 108 pp.



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