Introduction to Bioinformatics

By Arthur Lesk

Oxford University Press Nov 2013, 2013. Taschenbuch. Book Condition: Neu. 210x148x48 mm. Neuware - A vast amount of biological information about a wide range of species has become available in recent years as technological advances have significantly reduced the time it takes to sequence a genome or determine a novel protein structure. This text describes how bioinformatics can be used as a powerful set of tools for retrieving and analysing this biological data, and how bioinformatics can be applied to a wide range of disciplines such as molecular biology, medicine, biotechnology, forensic science and anthropology. Fully revised and updated, the fourth edition of Introduction to Bioinformatics contains two new chapters, with significantly increased coverage of metabolic pathways, and gene expression and regulation. This reflects the recent growth of interest in these areas in the field of bioinformatics. Written primarily for a biological audience without a detailed prior knowledge of programming, this book is the perfect introduction to the field of bioinformatics, providing friendly guidance and advice on how to use various methods and techniques. Furthermore, frequent examples, self-test questions, problems, and exercises are incorporated throughout the text to encourage self-directed learning. Online resource centre The Online Resource Centre features the...

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