

In this unique presentation of a revolutionary field of science, the first section introduces the application domains of genome research and bioinformatics, such as sequencing and the comparative sequence analysis of model organisms, investigating genetically influenced diseases, the development of new active substances for Medicine; Agri-Food and Environmental Genomics.

An overview of current topics central to genome research technologies, including DNA sequencing, proteomics, metabolomics and bioinformatics follows. This includes such hot topics as DNA chip fabrication, yeast-two-hybrid analysis, tools for gene expression studies, metabolic networks and systems biology. The book is rounded off by four chapters on the ethical, legal and social aspects of this sensitive topic.

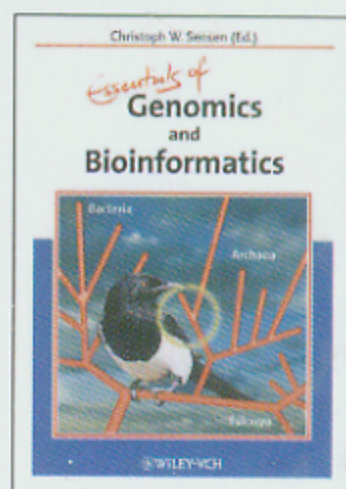


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Professor Sensen has authored numerous scientific papers and previously edited three books.

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