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Sommario/riassunto	Bioinformatics - the use of computers to retrieve, process, analyse and simulate biological information - promises to revolutionize the process

of drug discovery and development. This book provides a broad, application-oriented overview of this technology. Contributions by internationally renowned specialists in the field afford a detailed insight into single bioinformatics components and algorithmic methods. In addition, the state-of-the-art in bioinformatics is evaluated equally from a global view by introducing real application scenarios such as genome projects that require the use of a whole set of bioinformatics tools. The profound knowledge on bioinformatics presented here not only enables readers to go beyond a mere push-button approach to using bioinformatics software and interpreting the data generated appropriately. It is also essential to assess the potential and limitations of today's bioinformatics software and future challenges.; Directed to all those involved in the use or development of new bioinformatics tools - scientists and managers from the fields of molecular biotechnology, pharmaceutics, and medicinal chemistry - this book will lead one step further on the way to rational drug design.