



## Advance in Structural Bioinformatics [

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 Zhao, Tangzhen.,  
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 Dai, Hao.,  
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Life sciences Molecular biology Chemistry, Physical and theoretical  
 Bioinformatics Enzymology Life Sciences Bioinformatics  
 Computational Biology/Bioinformatics Molecular Medicine Enzymology  
 Theoretical and Computational Chemistry

Monografía

This text examines in detail mathematical and physical modeling, computational methods and systems for obtaining and analyzing biological structures, using pioneering research cases as examples. As such, it emphasizes programming and problem-solving skills. It provides information on structure bioinformatics at various levels, with individual chapters covering introductory to advanced aspects, from fundamental methods and guidelines on acquiring and analyzing genomics and proteomics sequences, the structures of protein, DNA and RNA, to the basics of physical simulations and methods for conformation searches. This book will be of immense value to researchers and students in the fields of bioinformatics, computational biology and chemistry. Dr. Dongqing Wei is a Professor at the Department of Bioinformatics and Biostatistics, College of Life Science and Biotechnology, Shanghai Jiaotong University, Shanghai, China. His research interest is in the general area of structural bioinformatics

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