



Advance in Structural Bioinformatics [

Wei, Dongqing.,
 editor
 Xu, Qin.,
 editor
 Zhao, Tangzhen.,
 editor
 Dai, Hao.,
 editor

Springer

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

<https://rebiunoda.pro.baratznet.cloud:38443/OpacDiscovery/public/catalog/detail/b2FpOmNlbgVlcmF0aW9uOmVzLmJhcmF0ei5yZW4vMTc0NTg2M2TA>

Título: Advance in Structural Bioinformatics Recurso electrónico] edited by Dongqing Wei, Qin Xu, Tangzhen Zhao, Hao Dai

Editorial: New York [etc.] Springer

Descripción física: XI, 383 p. 102 il., 88 il. in color

Mención de serie: Advances in Experimental Medicine and Biology 0065-2598 827

Contenido: Introduction to Structural Bioinformatics -- Modeling and Structure Determination -- The Structure Prediction of Biological Macromolecules -- The Biological Macromolecules in Computational Biology -- The Functional Analysis of Biological Macromolecules -- The Structure-Based Drug Design

Detalles del sistema: Modo de acceso: World Wide Web

Fuente de adquisición directa: Springer (e-Books)

ISBN: 9789401792455 978-94-017-9245-5 9789401792448

Autores: Wei, Dongqing., editor Xu, Qin., editor Zhao, Tangzhen., editor Dai, Hao., editor

Punto acceso adicional serie-Título: Advances in Experimental Medicine and Biology 0065-2598 827

Baratz Innovación Documental

- Gran Vía, 59 28013 Madrid
- (+34) 91 456 03 60
- informa@baratz.es