

Bioinformatics and Genome Analysis /

Mewes, H.-W

Springer Berlin Heidelberg, 2002

Monografía

This book provides insight into all important fields in bioinformatics including sequence analysis, expression analysis, structural biology, proteomics and network analysis. Many of the leading scientists in the field have contributed chapters to topics of which range from genome sequence determination and its analysis, to the analysis of transcripts and proteins with the final aim of gaining a deeper understanding of the complex networks cells must obey to in order to live. The book has been compiled for the increasing number of scientists and researchers working in bioinfomatics and genome analysis worldwide who would like not only to get an overview but who also enjoy reading about the latest results in this exciting field

Título: Bioinformatics and Genome Analysis edited by H.-W. Mewes, H. Seidel, B. Weiss

Editorial: Berlin, Heidelberg Springer Berlin Heidelberg 2002

Descripción física: 1 online resource (xv, 300 pages)

Mención de serie: Ernst Schering Research Foundation Workshop 0947-6075 38

Bibliografía: Includes bibliographical references at the end of each chapters and index

Contenido: 1 Dissecting the Genetic Component of Complex Diseases in Humans -- 2 Bioinformatics of Membrane Proteins -- 3 SNAPping Up Functionally Related Genes Based on Context Information: A Colinearity-Free Approach -- 4 Promoter Analysis -- 5 Cluster Analysis and Its Applications to Gene Expression Data -- 6 Statistical Methods for Analyzing Gene Expression Data for Cancer Research -- 7 Comparing Secondary Structure 'Stick' Models of Proteins Using Graph Matching with Double Dynamic Programming -- 8 Computational Structural Proteomics -- 9 Proteomics in Biological Research: The Challenge to Make Proteins Speak -- 10 Construction and Prediction of Protein -- Protein Interaction Maps -- 11 Bioinformatics, Cellular Flows, and Calculation -- 12 Graph-Based Analysis of Metabolic Networks -- 13 Orphan Protein Function and Its Relation to Glycosylation -- Previous Volumes Published in This Series

Lengua: English

Copyright/Depósito Legal: 934995662 936317554 968456509 1058148210 1086461708 1262379693

ISBN: 9783662047477 electronic bk.) 3662047470 electronic bk.) 9783662047491 3662047497 3662047470

Materia: Life sciences Human genetics Biochemistry Biology- Data processing Biological Science Disciplines Biochemistry Sciences de la vie Génétique humaine Biochimie Biologie- Informatique biological sciences. biochemistry. Biochemistry. Biology- Data processing. Human genetics. Life sciences.

Autores: Seidel, H. Weiss, B.

Enlace a formato físico adicional: Print version 9783662047491

Punto acceso adicional serie-Título: Ernst Schering Research Foundation workshop 38

Baratz Innovación Documental

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