Record Nr. UNINA9910144920303321 Bioinformatics [[electronic resource]]: German Conference on **Titolo** Bioinformatics, GCB' 96, Leipzig, Germany, September 30 - October 2, 1996. Selected Papers / / edited by Ralf Hofestädt, Thomas Lengauer, Markus Löffler, Dietmar Schomburg Pubbl/distr/stampa Berlin, Heidelberg:,: Springer Berlin Heidelberg:,: Imprint: Springer, , 1997 **ISBN** 3-540-69524-9 Edizione [1st ed. 1997.] Descrizione fisica 1 online resource (XI, 228 p.) Lecture Notes in Computer Science, , 0302-9743;; 1278 Collana Disciplina 572.8/0285 Soggetti Computer simulation Life sciences Computers **Bioinformatics** Computational biology Molecular biology Simulation and Modeling Life Sciences, general Theory of Computation Computer Appl. in Life Sciences Molecular Medicine Lingua di pubblicazione Inglese Formato Materiale a stampa Livello bibliografico Monografia Note generali Bibliographic Level Mode of Issuance: Monograph Nota di contenuto Molecular computing: From conformational pattern recognition to complex processing networks -- A look at the visual modeling of plants using L-systems -- Bioinformatics and cheminformatics in the drug discovery cycle -- New developments in linking of biological databases and computer-generation of annotation: SWISS-PROT and its computer-annotated supplement TREMBL -- EpoDB: An erythropoiesis gene expression database in progress -- Recent advances in molecular distance geometry -- Three models of gene regulation in E. coli -- A

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Sommario/riassunto

This book constitutes the strictly refereed post-workshop proceedings of the German Conference on Bioinformatics, GCB'96, held in Leipzig, Germany, in September/October 1996. The volume presents 18 revised full papers together with three invited papers; these contributions were selected after a second round of reviewing from the 91 conference presentations. The book addresses current issues in computational biology and biologically inspired computing. The papers are organized in sections on biological and metabolic pathways, sequence analysis, molecular modeling, visualization, and formal languages, and DNA.