Record Nr. UNISA996465993303316 Research in Computational Molecular Biology [[electronic resource]]: **Titolo** 16th Annual International Conference, RECOMB 2012, Barcelona, Spain, April 21-24, 2012. Proceedings / / edited by Benny Chor Berlin, Heidelberg:,: Springer Berlin Heidelberg:,: Imprint: Springer, Pubbl/distr/stampa 2012 **ISBN** 3-642-29627-0 Edizione [1st ed. 2012.] Descrizione fisica 1 online resource (XVI, 372 p. 74 illus.) Lecture Notes in Bioinformatics; ; 7262 Collana 005.1 Disciplina Soggetti Algorithms **Bioinformatics** Database management Computers Artificial intelligence Data structures (Computer science) Algorithm Analysis and Problem Complexity Computational Biology/Bioinformatics **Database Management** Computation by Abstract Devices Artificial Intelligence **Data Structures** Conference proceedings. Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Bibliographic Level Mode of Issuance: Monograph Nota di bibliografia Includes bibliographical references and index. Sommario/riassunto This book constitutes the refereed proceedings of the 16th Annual International Conference on Research in Computational Molecular Biology, RECOMB 2012, held in Barcelona, Spain, in April 2012. The 31 revised full papers presented together with 5 keynote lectures were carefully reviewed and selected from 200 submissions. The papers feature current research in all areas of computational molecular biology, including: molecular sequence analysis; recognition of genes

and regulatory elements; molecular evolution; protein structure; structural genomics; analysis of gene expression; biological networks; sequencing and genotyping technologies; drug design; probabilistic and combinatorial algorithms; systems biology; computational proteomics; structural and functional genomics; information systems for computational biology and imaging.