

1. Record Nr.	UNINA9910484058803321
Titolo	Advances in Bioinformatics and Computational Biology : 5th Brazilian Symposium on Bioinformatics, BSB 2010, Rio de Janeiro, Brazil, August 31--September 3, 2010, Proceedings / / edited by Carlos E. Ferreira, Satoru Miyano, Peter F. Stadler
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2010
ISBN	3-642-15060-8
Edizione	[1st ed. 2010.]
Descrizione fisica	1 online resource (IX, 81 p. 18 illus.)
Collana	Lecture Notes in Bioinformatics, , 2366-6331 ; ; 6268
Altri autori (Persone)	FerreiraCarlos E MiyanoSatoru StadlerPeter F. <1965->
Disciplina	570.285
Soggetti	Life sciences Computer programming Data structures (Computer science) Information theory Artificial intelligence Computer science Algorithms Life Sciences Programming Techniques Data Structures and Information Theory Artificial Intelligence Theory of Computation
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.
Nota di contenuto	Full Papers -- Evolution of the Long Non-coding RNAs MALAT1 and MEN?? -- Granger Causality in Systems Biology: Modeling Gene Networks in Time Series Microarray Data Using Vector Autoregressive Models -- Semi-supervised Approach for Finding Cancer Sub-classes on Gene Expression Data -- Bounds on the Transposition Distance for Lonely Permutations -- Insights on Haplotype Inference on Large

Genotype Datasets -- Extended Abstracts -- An SVM Model Based on Physicochemical Properties to Predict Antimicrobial Activity from Protein Sequences with Cysteine Knot Motifs -- Enabling Annotation Provenance in Bioinformatics Workflow Applications -- BAT: A New Biclustering Analysis Toolbox -- Detection of Protein Domains in Eukaryotic Genome Sequences -- Discretization of Flexible-Receptor Docking Data.

Sommario/riassunto

This volume contains the accepted full papers and extended abstracts of the 5th Brazilian Symposium on Bioinformatics held in Búzios, Rio de Janeiro, Brazil from August 31 to September 3, 2010. The first three meetings of this series, which took place 2002, 2003, and 2004, were called WOB (Workshop on Bioinformatics). In 2005, the conference got its current name BSB and has since published its proceedings as a special issue of the series Lecture Notes in Bioinformatics (volumes 3594/2005, 4643/2007, 5167/2008, and 5676/2009). Its topics of interest vary in many areas of bioinformatics, including - quence analysis, motifs, and pattern matching; biomedical text mining; biological databases, data management, integration; biological data mining; structural, comparative, and functional genomics; protein structure, modeling, and simulation; gene identification and regulation; gene expression analysis; gene and protein interaction and networks; molecular docking; molecular evolution and phylogenetics; computational systems biology; computational proteomics; statistical analysis of molecular sequences; algorithms for problems in computational biology; as well as applications in molecular biology, biochemistry, genetics, and associated subjects.

We would like to thank all referees and Program Committee members for their careful work in preparing this proceedings volume. Also, we want to acknowledge the local organizers and their staff for making this meeting possible. September 2010 Carlos E. Ferreira Satoru Miyano Peter F. Stadler Organization BSB 2010 was promoted by the Brazilian Computing Society (SBC) and was organized by the Informatics Department of the Pontifícia Universidade Católica do Rio de Janeiro (PUC-Rio).
