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Titolo	Pattern Recognition in Bioinformatics : 9th IAPR International Conference, PRIB 2014, Stockholm, Sweden, August 21-23, 2014. Proceedings // edited by Matteo Comin, Lukas Käll, Elena Marchiori, Alioune Ngom, Jagath Chandana Rajapakse
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Descrizione fisica	1 online resource (XII, 135 p. 29 illus.)
Collana	Lecture Notes in Bioinformatics ; ; 8626
Disciplina	570.285
Soggetti	Bioinformatics Health informatics Pattern recognition Data mining Algorithms Artificial intelligence Computational Biology/Bioinformatics Health Informatics Pattern Recognition Data Mining and Knowledge Discovery Algorithm Analysis and Problem Complexity Artificial Intelligence
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	FULL PAPERS -- Acquiring Decision Rules for Predicting Ames-Negative Hepatocarcinogens Using Chemical-Chemical Interactions -- Using Topology Information for Protein-Protein Interaction Prediction -- Biases of drug{target interaction network data -- Logol: Expressive Pattern Matching in sequences Application to Ribosomal Frameshift Modeling -- Evolutionary Algorithm based on New Crossover for the Biclustering of Gene Expression Data -- SFFS-SW: A feature selection algorithm exploring the small-world properties of GNs -- CytomicsDB:

A Metadata-based storage and retrieval approach for High-Throughput Screening Experiments -- CUDAGR: Parallel Speedup of Inferring Large Gene Regulatory -- Networks from Expression Data Using Random Forest -- SHORT ABSTRACTS -- Analysis of miRNA expression profiles in breast cancer using biclustering -- Gram-positive and Gram-negative Subcellular Localization Using Rotation Forest and Physicochemical-based Features -- Data Driven Feature Selection for RNA-Seq Differential Expression Analysis -- Intramuscular fat percentage estimation through ultrasound images -- An integrated approach of gene expression and DNA-methylation profiles of WNT signaling genes uncovers novel prognostic markers in Acute Myeloid Leukemia -- Improving performance of the eXtasy model by hierarchical sampling -- Popovic et al. Ensemble Neural Networks Scoring Functions for Accurate Binding Affinity -- Prediction of Protein-Ligand Complexes -- Integration of Gene Expression and DNA-methylation Profiles Improves Molecular Subtype Classification in Acute Myeloid Leukemia -- The Relative Vertex-to-Vertex Clustering Value- A New Criterion for the Fast Detection of Functional Modules in Protein Interaction Networks.

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Sommario/riassunto

This book constitutes the refereed proceedings of the 8th IAPR International Conference on Pattern Recognition in Bioinformatics, PRIB 2014, held in Stockholm, Sweden in August 2014. The 9 revised full papers and 9 revised short papers presented were carefully reviewed and selected from 29 submissions. The focus of the conference was on the latest Research in Pattern Recognition and Computational Intelligence-Based Techniques Applied to Problems in Bioinformatics and Computational Biology.

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