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Collana	Lecture Notes in Bioinformatics, , 2366-6331 ; ; 3916
Altri autori (Persone)	LiJinyan, Ph. D. YangQiang <1961-> TanAh-Hwee
Disciplina	610.285
Soggetti	Artificial intelligence Database management Information storage and retrieval systems Bioinformatics Computer science - Mathematics Mathematical statistics Medical informatics Artificial Intelligence Database Management Information Storage and Retrieval Probability and Statistics in Computer Science Health Informatics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"... papers selected for presentation at the First Workshop on Data Mining for Biomedical Applications (BioDM 2006) ... in conjunction with the 10th Pacific-Asia Conference on Knowledge Discovery and Data Mining (PAKDD 2006)"--Pref.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Keynote Talk -- Exploiting Indirect Neighbours and Topological Weight to Predict Protein Function from Protein-Protein Interactions -- Database and Search -- A Database Search Algorithm for Identification of Peptides with Multiple Charges Using Tandem Mass Spectrometry --

Filtering Bio-sequence Based on Sequence Descriptor -- Automatic  
Extraction of Genomic Glossary Triggered by Query -- Frequent  
Subsequence-Based Protein Localization -- Bio Data Clustering --  
gTRICLUSTER: A More General and Effective 3D Clustering Algorithm for  
Gene-Sample-Time Microarray Data -- Automatic Orthologous-  
Protein-Clustering from Multiple Complete-Genomes by the Best  
Reciprocal BLAST Hits -- A Novel Clustering Method for Analysis of  
Gene Microarray Expression Data -- Heterogeneous Clustering  
Ensemble Method for Combining Different Cluster Results -- In-silico  
Diagnosis -- Rule Learning for Disease-Specific Biomarker Discovery  
from Clinical Proteomic Mass Spectra -- Machine Learning Techniques  
and Chi-Square Feature Selection for Cancer Classification Using SAGE  
Gene Expression Profiles -- Generation of Comprehensible Hypotheses  
from Gene Expression Data -- Classification of Brain Glioma by Using  
SVMs Bagging with Feature Selection -- Missing Value Imputation  
Framework for Microarray Significant Gene Selection and Class  
Prediction -- Informative MicroRNA Expression Patterns for Cancer  
Classification.

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#### Sommario/riassunto

This book constitutes the refereed proceedings of the International Workshop on Data Mining for Biomedical Applications, BioDM 2006, held in Singapore in conjunction with the 10th Pacific-Asia Conference on Knowledge Discovery and Data Mining (PAKDD 2006). The 14 revised full papers presented together with one keynote talk were carefully reviewed and selected from 35 submissions. The papers are organized in topical sections

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