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Collana	Lecture Notes in Bioinformatics ; ; 3615
Disciplina	570.285
Soggetti	Information storage and retrieval Health informatics Database management Application software Bioinformatics Bioinformatics Computational biology Information Storage and Retrieval Health Informatics Database Management Information Systems Applications (incl. Internet) Computer Appl. in Life Sciences
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Keynotes -- Challenges in Biological Data Integration in the Post-genome Sequence Era -- Curated Databases -- User Applications -- A User-Centric Framework for Accessing Biological Sources and Tools -- BioLog: A Browser Based Collaboration and Resource Navigation Assistant for BioMedical Researchers -- Learning Layouts of Biological Datasets Semi-automatically -- Ontologies -- Factors Affecting Ontology Development in Ecology -- Querying Ontologies in Relational Database Systems -- Scientific Names Are Ambiguous as Identifiers for Biological Taxa: Their Context and Definition Are Required for Accurate

Data Integration -- The Multiple Roles of Ontologies in the BioMediator
Data Integration System -- Data Integration I–IV -- Integrating
Heterogeneous Microarray Data Sources Using Correlation Signatures
-- Knowledge-Based Integrative Framework for Hypothesis Formation
in Biochemical Networks -- Semantic Correspondence in Federated Life
Science Data Integration Systems -- Assigning Unique Keys to Chemical
Compounds for Data Integration: Some Interesting Counter Examples
-- Integrating and Warehousing Liver Gene Expression Data and
Related Biomedical Resources in GEDAW -- Information Integration and
Knowledge Acquisition from Semantically Heterogeneous Biological
Data Sources -- Cluster Based Integration of Heterogeneous Biological
Databases Using the AutoMed Toolkit -- Hybrid Integration of
Molecular-Biological Annotation Data -- Setup and Annotation of
Metabolomic Experiments by Integrating Biological and Mass
Spectrometric Metadata -- Performance-Oriented Privacy-Preserving
Data Integration -- Potpourri -- Building a Generic Platform for Medical
Screening Applications Based on Domain Specific Modeling and Process
Orientation -- Automatic Generation of Data Types for Classification of
Deep Web Sources -- BioNavigation: Selecting Optimum Paths Through
Biological Resources to Evaluate Ontological Navigational Queries --
Posters and Demonstrations -- Support for BioIndexing in BLASTgres
-- An Environment to Define and Execute In-Silico Workflows Using
Web Services -- Web Service Mining for Biological Pathway Discovery --
SemanticBio: Building Conceptual Scientific Workflows over Web
Services -- PLATCOM: Current Status and Plan for the Next Stages --
SOAP API for Integrating Biological Interaction Databases --
Collaborative Curation of Data from Bio-medical Texts and Abstracts
and Its integration -- Towards an Ontology Based Visual Query System
-- Invited Briefings -- Data Integration in the Biomedical Informatics
Research Network (BIRN) -- Data Integration and Workflow Solutions
for Ecology -- Eco-Informatics for Decision Makers Advancing a
Research Agenda -- An Architecture and Application for Integrating
Curation Data at the Residue Level for Proteins -- The Biozon System
for Complex Analysis of Heterogeneous Interrelated Biological Data and
Discovery of Emergent Structures.
