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Altri autori (Persone)	TalbiEl-Ghazali <1965-> ZomayaAlbert Y
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Nota di contenuto	GRID COMPUTING FOR BIOINFORMATICS AND COMPUTATIONAL BIOLOGY; CONTENTS; Preface; Acknowledgments; Contributors; 1. Open Computing Grid for Molecular Sciences; 2. Designing High-Performance Concurrent Strategies for Biological Sequence Alignment Problems on Networked Computing Platforms; 3. Optimized Cluster-Enabled HMMER Searches; 4. Expanding the Reach of Grid Computing: Combining Globus- and BOINC-Based Systems; 5. Hierarchical Grid Computing for High-Performance Bioinformatics; 6. Multiple Sequence Alignment and Phylogenetic Inference 7. Data Syndication Techniques for Bioinformatics Applications8. Molecular Docking Using Grid Computing; 9. Deployment of Grid Life Sciences Applications; 10. Grid-Based Interactive Decision Support in Biomedicine; 11. Database-Driven Grid Computing and Distributed Web Applications: A Comparison; 12. A Semantic Mediation Architecture for a Clinical Data Grid; 13. Bioinformatics Applications in Grid Computing Environments; 14. Recent Advances in Solving the Protein Threading Problem; 15. DNA Fragment Assembly Using Grid Systems

	16. Seeing Is Knowing: Visualization of Parameter-Parameter Dependencies in Biomedical Network ModelsIndex
Sommario/riassunto	The only single, up-to-date source for Grid issues in bioinformatics and biologyBioinformatics is fast emerging as an important discipline for academic research and industrial applications, creating a need for the use of Grid computing techniques for large-scale distributed applications. This book successfully presents Grid algorithms and their real-world applications, provides details on modern and ongoing research, and explores software frameworks that integrate bioinformatics and computational biology.Additional coverage includes: *Bio-ontology and data mining