

1. Record Nr.	UNINA9910958841103321
Titolo	Catalyzing inquiry at the interface of computing and biology / / John C. Wooley and Herbert S. Lin, editors ; Committee on Frontiers at the Interface of Computing and Biology, Computer Science and Telecommunications Board, Division on Engineering and Physical Sciences, National Research Council of the National Academies
Pubbl/distr/stampa	Washington, D.C., : National Academies Press, c2005
ISBN	9786610286379 9780309164894 0309164893 9781280286377 1280286377 9780309549370 030954937X
Edizione	[1st ed.]
Descrizione fisica	1 online resource (467 p.)
Altri autori (Persone)	WooleyJohn C LinHerbert
Disciplina	570.285
Soggetti	Bioinformatics Computational biology Biology - Data processing
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	""Front Matter""; ""Preface""; ""Acknowledgment of Reviewers""; ""Contents""; ""Executive Summary""; ""1 Introduction""; ""2 21st Century Biology""; ""3 On the Nature of Biological Data""; ""4 Computational Tools""; ""5 Computational Modeling and Simulation as Enablers for Biological Discovery""; ""6 A Computational and Engineering View of Biology""; ""7 Cyber-infrastructure and Data Acquisition""; ""8 Biological Inspiration for Computing""; ""9 Illustrative Problem Domains at the Interface of Computing and Biology""; ""10 Culture and Research Infrastructure"" ""11 Conclusions and Recommendations""""Appendixes""; ""A The Secrets of Life: A Mathematician's Introduction to Molecular Biology"";

""B Challenge Problems in Bioinformatics and Computational Biology
from Other Reports""; ""C Biographies of Committee Members and
Staff""; ""What Is CSTB?""
