

1. Record Nr.	UNINA9910483097203321
Titolo	Computational Methods in Systems Biology : 12th International Conference, CMSB 2014, Manchester, UK, November 17-19, 2014, Proceedings // edited by Pedro Mendes, Joseph O. Dada, Kieran Smallbone
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2014
ISBN	3-319-12982-1
Edizione	[1st ed. 2014.]
Descrizione fisica	1 online resource (XVIII, 266 p. 80 illus.)
Collana	Lecture Notes in Bioinformatics, , 2366-6331 ; ; 8859
Disciplina	570.285
Soggetti	Bioinformatics Computer science Computer simulation Software engineering Computer science—Mathematics Computational and Systems Biology Theory of Computation Computer Modelling Software Engineering Symbolic and Algebraic Manipulation
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	Formalisms for Modelling Biological Processes -- Model Inference from Experimental Data -- Frameworks for Model Verification, Validation, and Analysis of Biological Systems.- Models and Their Biological Applications.- Computational Approaches for Synthetic Biology.- Flash Posters.
Sommario/riassunto	This book constitutes the proceedings of the 12th International Conference on Computational Methods in Systems Biology, CMSB 2014, held in Manchester, UK, in November 2014. The 16 regular papers presented together with 6 poster papers were carefully reviewed and selected from 31 regular and 18 poster submissions. The papers are organized in topical sections on formalisms for modeling biological

processes, model inference from experimental data, frameworks for model verification, validation, and analysis of biological systems, models and their biological applications, computational approaches for synthetic biology, and flash posters.
