

1. Record Nr.	UNINA9910826879403321
Titolo	Handbook of statistical systems biology // edited by Michael P.H. Stumpf, David J. Balding, Mark Girolami
Pubbl/distr/stampa	Chichester, West Sussex ; ; Hoboken, N.J., : John Wiley & Sons, 2011
ISBN	1-283-25824-2 9786613258243 1-119-95204-2 1-119-97060-1 1-119-97061-X
Edizione	[1st ed.]
Descrizione fisica	1 online resource (532 p.)
Altri autori (Persone)	StumpfM. P. H (Michael P. H.) BaldingD. J GirolamiMark <1963->
Disciplina	570.1/5195
Soggetti	Systems biology - Statistical methods Biological systems - Mathematical models Uncertainty - Mathematical models Stochastic analysis - Mathematical models
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 and index.
Nota di contenuto	A. Methodological chapters -- B. Technology-based chapters -- C. Networks and graphical models -- D. Dynamical systems -- E. Application areas.
Sommario/riassunto	Systems Biology is now entering a mature phase in which the key issues are characterising uncertainty and stochastic effects in mathematical models of biological systems. The area is moving towards a full statistical analysis and probabilistic reasoning over the inferences that can be made from mathematical models. This handbook presents a comprehensive guide to the discipline for practitioners and educators, in providing a full and detailed treatment of these important and emerging subjects. Leading experts in systems biology and statistics have come together to provide insight in to the major

