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Altri autori (Persone)	PriamiCorrado PlotkinG <1946-> (Gordon)
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Note generali	"This issue of Transactions on Computational Systems Biology contains fully-refereed selection of papers from the Fourth International Conference on Computational Methods in Systems Biology, held in Edinburgh, Scotland, April 3-5, 2005."--Pref.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Property-Driven Statistics of Biological Networks -- On the Computational Power of Brane Calculi -- Analysis of Signalling Pathways Using Continuous Time Markov Chains -- Machine Learning Biochemical Networks from Temporal Logic Properties -- Qualitative Petri Net Modelling of Genetic Networks -- Simulating Bacterial Transcription and Translation in a Stochastic ? Calculus -- Automated Abstraction Methodology for Genetic Regulatory Networks -- P Systems, a New Computational Modelling Tool for Systems Biology -- Equivalence of Metabolite Fragments and Flow Analysis of Isotopomer Distributions for Flux Estimation -- Multiple Representations of Biological Processes.

Sommario/riassunto

The 5th Transactions on Computational Systems Biology volume, edited by Gordon Plotkin, features carefully selected and enhanced contributions initially presented at the 2005 IEEE International Conference on Granular Computing. The 9 papers selected for this special issue discuss various aspects of computational methods, algorithm and techniques in bioinformatics such as gene expression analysis, biomedical literature mining and natural language processing, protein structure prediction, biological database management and biomedical information retrieval.
