Record Nr. UNINA9910484763503321 Bioinformatics research and applications: 5th international symposium, **Titolo** ISBRA 2009, Fort Lauderdale, FL, USA, May 13-16, 2009; proceedings / / Ion Mandoiu, Giri Narasimhan, Yanging Zhang (eds.) Berlin, : Springer, c2009 Pubbl/distr/stampa **ISBN** 3-642-01551-4 Edizione [1st ed. 2009.] Descrizione fisica 1 online resource (XVII, 336 p.) Lecture notes in computer science, . 0302-9743 ; ; 5542 Collana Lecture notes in bioinformatics Altri autori (Persone) Mandoiulon NaraimhanGiri ZhangYanging Disciplina 570 Soggetti **Bioinformatics** Computational biology Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia International conference proceedings. Note generali Nota di bibliografia Includes bibliographical references and index. Nota di contenuto Evolution of Regulatory Systems in Bacteria (Invited Keynote Talk) --Integrating Multiple-Platform Expression Data through Gene Set Features -- Practical Quality Assessment of Microarray Data by Simulation of Differential Gene Expression -- Mean Square Residue Biclustering with Missing Data and Row Inversions -- Using Gene Expression Modeling to Determine Biological Relevance of Putative

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Sommario/riassunto

This book constitutes the refereed proceedings of the 5th International Symposium on Bioinformatics Research and Applications, ISBRA 2009, held in Fort Lauderdale, FL, USA, in May 2009. The 26 revised full papers presented together four invited papers were carefully reviewed and selected from a total of 55 submissions. The papers cover a wide range of topics, including clustering and classification, gene expression analysis, gene networks, genome analysis, motif finding, pathways, protein structure prediction, protein domain interactions, phylogenetics, and software tools.