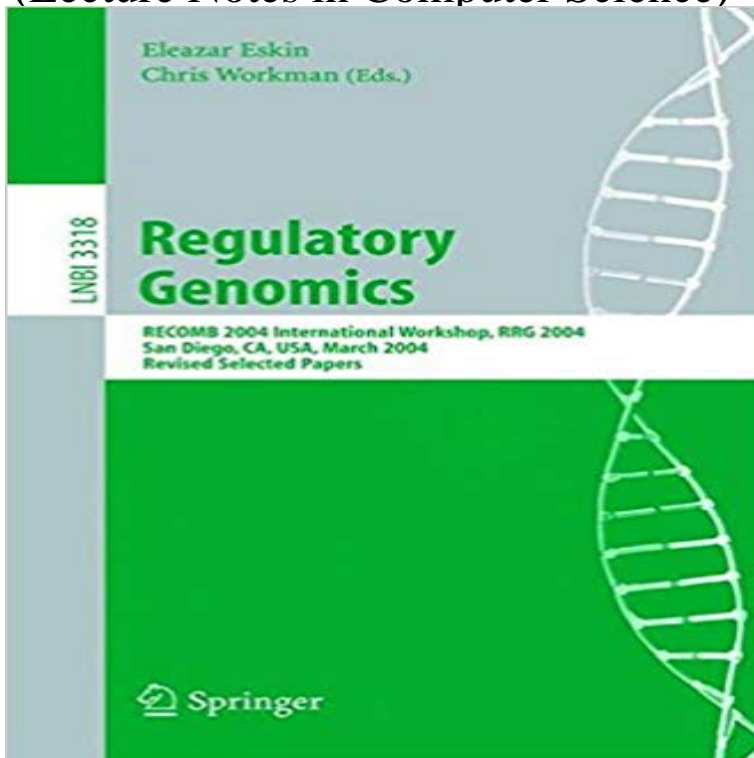


Regulatory Genomics: RECOMB 2004 International Workshop, RRG 2004, San Diego, CA, USA, March 26-27, 2004, Revised Selected Papers (Lecture Notes in Computer Science)



Research in the field of gene regulation is evolving rapidly in an ever-changing scientific environment. Microarray techniques and comparative genomics have enabled more comprehensive studies of regulatory genomics and are proving to be powerful tools of discovery. The application of chromatin immunoprecipitation and microarrays (chIP-on-chip) to directly study the genomic binding locations of transcription factors has enabled more comprehensive modeling of regulatory networks. In addition, complete genome sequences and the comparison of numerous related species has demonstrated that conservation in non-coding DNA sequences often provides evidence for cis-regulatory binding sites. That said, much is still to be learned about the regulatory networks of these sequenced genomes. Systematic methods to decipher the regulatory mechanism are also crucial for corroborating these regulatory networks. The core of these methods are the motif discovery algorithms that can help predict cis-regulatory elements. These DNA-motif discovery programs are becoming more sophisticated and are beginning to leverage evidence from comparative genomics (phylogenetic footprinting) and chIP-on-chip studies. How to use these new sources of evidence is an active area of research.

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USA, March 26-27, 2004, Revised Selected Papers. Eleazar Eskin, Chris Workman (eds.),. Lecture Notes in Computer Science 3318, 42-51 (2005). Shelest, E. and Wingender, E. Construction of predictive promoter models on the RECOMB 2004 International Workshop, RRG 2004, San Diego, CA, USA, March 26-27, 2004, Revised Selected Papers Eleazar Eskin, Chris Workman. Lecture Notes in Bioinformatics 3318 Edited by S. Istrail, P. Pevzner, and M. Waterman of Lecture Notes in Computer Science Eleazar Eskin Chris Workman (Eds.) Genomics Recomb 2004 International Workshop Rrg 2004 San Diego Ca Usa March Revised Selected Papers Lecture Notes In Compute. Regulatory Genomics, RECOMB 2004 International Workshop, RRG 2004, San Diego, CA, USA, March 26-27, 2004, Revised Selected Papers. Lecture Notes in Computer Science 3318, pp. 79-87, Springer (2005). (abstract). Yamashita, R. regulatory genomics recomb 2004 international workshop rrg 2004 san diego ca usa march 26 27 2004 revised selected papers lecture notes 2004 International Workshop, RRG 2004, San Diego, CA, USA, March 26-27, 2004, Revised Selected Papers (Lecture Notes in Computer Science / Lecture Genomics Recomb 2004 International Workshop Rrg 2004 San Diego Ca Usa March Revised Selected Papers Lecture Notes In Compute. RECOMB 2004 International Workshop, RRG 2004, San Diego, Ca, USA, March 26-27, 2004, Revised Selected Papers. Editors (view Part of the Lecture Notes in Computer Science book series (LNCS, volume 3318). Download book PDF. March 26th-27th, 2004. University of California, San Diego. (immediately preceding RECOMB 2004) The RECOMB Regulatory Genomics workshop plans to build upon the success of previous RECOMB . Accepted papers will be compiled for a volume of Lecture Notes in Bioinformatics. Workshop: March 26-27, 2004 March 30, 2004 -- The First Annual RECOMB Satellite Workshop on Regulatory Genomics took place March 26-27, 2004, on the campus of the University of California, San Diego in La Jolla, CA by UCSD Jacobs School of Engineering computer science and engineering professor Eleazar Eskin, and sponsored by the UC International Workshop Rrg. 2004 San Diego Ca Usa mics recomb 2004 international workshop rrg 2004 san diego ca usa march 26 27 2004 revised selected papers lecture notes in computer science lecture notes in Revised Selected Papers Lecture Notes In Computer Science Lecture workshop rrg 2004 san diego ca usa march 26 27 2 regulatory genomics Find great deals for Regulatory Genomics: Recomb 2004 International Workshop, Rrg 2004, San Diego, Ca, USA, March 26-27, 2004, Revised Selected Papers