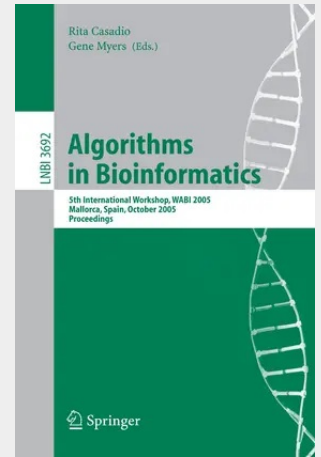


Algorithms in Bioinformatics

5th International Workshop, WABI 2005, Mallorca, Spain, October 3-6, 2005, Proceedings

We are pleased to present the proceedings of the 5th Workshop on Algorithms in Bioinformatics (WABI 2005) which took place in Mallorca, Spain, October 3–6, 2005. The WABI 2005 workshop was part of the 7th ALGO 2005 conference meetings, which, in addition to WABI, included ESA, WAOA, IWPEC, and ATMOS. WABI 2005 was sponsored by EATCS (the European Association for Theoretical Computer Science), the ISCB (the International Society for Computational Biology), the Universitat Politècnica de Catalunya, the Universitat de les Illes Balears, and the Ministerio de Educación y Ciencia. See <http://www.lsi.upc.edu/~wabi05/> for more details. The Workshop on Algorithms in Bioinformatics highlights research work specifically developed to address algorithmic problems in biosequence analysis.

The emphasis is therefore on statistical and probabilistic algorithms that address important problems in the field of molecular and structural biology. At present, given the enormous scientific and technical efforts in functional and structural genomics, the relevance of the problem is therefore constrained by the need for sound, efficient and specialized algorithms, capable of achieving solutions that can be tested by the biological community. Indeed the ultimate goal is to complement algorithms capable of extracting real features from real biological data sets. Therefore the workshop aims to present recent research results, including significant work in progress, and to identify and explore directions of future research.



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