CALL FOR PAPERS
IEEE Transactions on Knowledge and Data Engineering
Special Issue on Mining Biological Data

Mining biological data is an emerging area of intersection between data mining and bioinformatics. Bioinformaticians have been working on the research and development of computational methodologies and tools for expanding the use of biological, medical, behavioral, or healthy data. Data mining researchers can contribute significantly to the bioinformatics community by developing models and algorithms to meet challenges posed by the bioinformatics research. Some successful examples are: clustering of gene expression profiles, frequent pattern discovery on genome or proteins, selection of biomarkers, etc.

This special issue of the *IEEE Transactions on Knowledge and Data Engineering* will provide a forum for researchers to formally contribute to cementing biological data mining as an emerging field. Specially, we aim to solicit high-quality contributions that focus on novel data mining techniques that can be applied to bioinformatics or computation biology area. Topics of interest include (but not limited to):

- Gene Expression Analysis
- Sequential and Structural Motif Discovery
- Metabolic Pathway, Regulatory Network, and System Biology Analysis
- Comparative Genomics
- Phylogenetics
- Drug Design
- Proteomics
- Literature Extraction, Text Mining, and Ontologies

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Please note the following important dates.

Important Dates:

Submission Deadline:	15 July 2004
Reviews Completed:	15 September 2004
Major Revisions Due (if Needed):	31 October 2004
Reviews of Revisions Completed (if Needed):	30 November 2004
Minor Revisions Due (if Needed):	31 December 2004
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