Computational Knowledge Discovery for Bioinformatics Research

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Biological and clinical studies provide valuable insight into the causes and potential cures of disease. Using statistics and data mining and other computational approaches, bioinformatics researchers can provide the medical community with ground-breaking discoveries that change how we perceive and treat these illnesses.

Computational Knowledge Discovery for Bioinformatics Research discusses the most significant research and latest practices in computational knowledge discovery approaches to bioinformatics in a cross-disciplinary manner which is useful for researchers, practitioners, academicians, mathematicians, statisticians, and computer scientists involved in the many facets of bioinformatics. This book aims to increase the awareness of interesting and challenging biomedical problems and to inspire new knowledge discovery solutions.

Topics Covered:
- Clustering Techniques
- Protein Interaction Networks
- Bioinformatics databases
- Biological data management
- Biological knowledge discovery
- Clinical research informatics
- Gene expression analysis
- Protein/RNA structure prediction
- Translational bioinformatics
- Graph Mining

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To learn more about Dr. Xiao-Li Li, please visit his Web page: http://www1.i2r.a-star.edu.sg/~xlli/.