Data Mining
and Bioinformatics

First International Workshop, VDMB 2006
Seoul, Korea, September 11, 2006
Revised Selected Papers
Preface

This volume contains the papers presented at the inaugural workshop on Data Mining and Bioinformatics at the 32nd International Conference on Very Large Data Bases (VLDB). The purpose of this workshop was to begin bringing together researchers from database, data mining, and bioinformatics areas to help leverage respective successes in each to the others. We also hope to expose the richness, complexity, and challenges in this area that involves mining very large complex biological data that will only grow in size and complexity as genome-scale high-throughput techniques become more routine. The problems are sufficiently different enough from traditional data mining problems (outside of life sciences) that novel approaches must be taken to data mine in this area. The workshop was held in Seoul, Korea, on September 11, 2006.

We received 30 submissions in response to the call for papers. Each submission was assigned to at least three members of the Program Committee. The Program Committee discussed the submission electronically, judging them on their importance, originality, clarity, relevance, and appropriateness to the expected audience. The Program Committee selected 15 papers for presentation. These papers are in the areas of microarray data analysis, bioinformatics system and text retrieval, application of gene expression data, and sequence analysis. Because of the format of the workshop and the high number of submissions, many good papers could not be included. Complementing the contributed papers, the program of VDMB 2006 included an invited talk by Simon Mercer, Program Manager for External Research, with an emphasis on life sciences.

We would like to thank the members of the Program Committee for their hard and expert work. We would also like to thank the VLDB organizers, the external reviewers, the authors, and the participants for their contribution to the continuing success of the workshop. Thanks also to Indiana University School of Informatics for the generous financial support.

October 2006

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