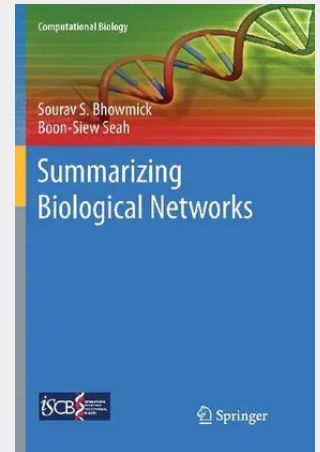


Summarizing Biological Networks

This book focuses on the data mining, systems biology, and bioinformatics computational methods that can be used to summarize biological networks. Specifically, it discusses an array of techniques related to biological network clustering, network summarization, and differential network analysis which enable readers to uncover the functional and topological organization hidden in a large biological network. The authors also examine crucial open research problems in this arena.

Academics, researchers, and advanced-level students will find this book to be a comprehensive and exceptional resource for understanding computational techniques and their applications for a summary of biological networks.

Introduction.- Background.- Clustering PPI Networks.- Functional Summarization.- Multifaceted Functional Decomposition.- Differential Functional Summarization.- The Road Ahead.



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