



Reconstruction and Analysis of Biological Networks

By Khalid Raza

LAP Lambert Academic Publishing Sep 2015, 2015. Taschenbuch. Book Condition: Neu. 220x150x13 mm. This item is printed on demand - Print on Demand Neuware - The rapid advancement in high-throughput techniques for measuring biological data has shifted the attention of research community from a reductionist view to a more complex understanding of biological system. The enriched understanding about genomes of various organisms, together with advancement in microarray and next-generation sequencing technologies, fuelled the researchers for the development of computational and mathematical model of biological networks. The discovery of regulatory networks leads to a wide range of applications, such as pathways related to a disease can unveil in what way the disease acts and provide novel tentative drug targets. In addition, it can also help to predict the responses to disease and can be much useful for the novel drug development and treatments. This book presents introductory concepts of high-throughput techniques, biological networks, soft computing techniques, and shows the application of computational approaches for the reconstruction and analysis of biological networks. In addition, it also suggests current challenges and future research directions in the area. I hope this book would be quite helpful for new scholars and researchers. 212 pp. Englisch.



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Reviews

Extensive guide! Its such a excellent read. This can be for anyone who statte that there was not a worth looking at. I am just effortlessly will get a satisfaction of looking at a written publication.

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This book will not be effortless to start on reading through but very exciting to learn. It is amongst the most remarkable book i have got go through. Once you begin to read the book, it is extremely difficult to leave it before concluding.

-- **Dr. Easton Collier DVM**