Models and Algorithms for Biomolecules and Molecular Networks. IEEE Press Series on Biomedical Engineering

Description: By providing expositions to modeling principles, theories, computational solutions, and open problems, this reference presents a full scope on relevant biological phenomena, modeling frameworks, technical challenges, and algorithms.

- Up-to-date developments of structures of biomolecules, systems biology, advanced models, and algorithms
- Sampling techniques for estimating evolutionary rates and generating molecular structures
- Accurate computation of probability landscape of stochastic networks, solving discrete chemical master equations
- End-of-chapter exercises

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