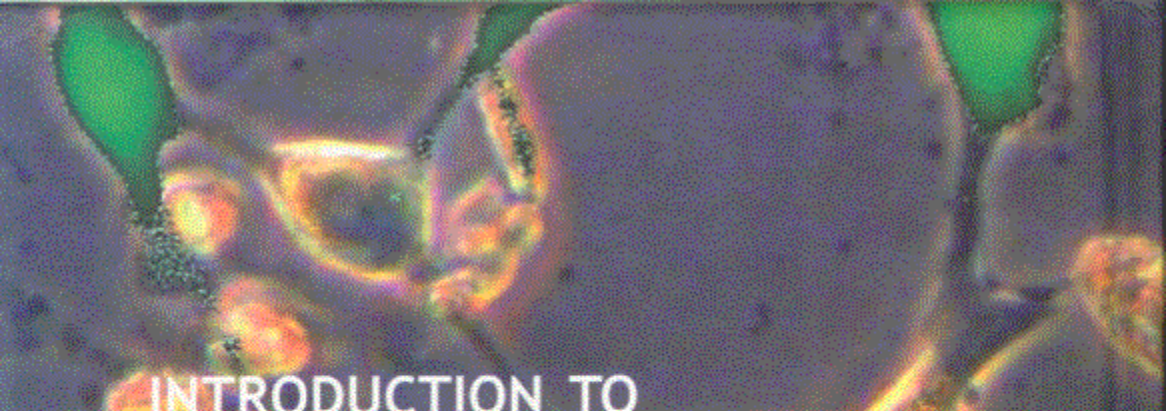




INTRODUCTION TO BIOPOLYMER PHYSICS

This book provides an ideal introduction to the physics of biopolymers. The structure, dynamics, and properties of biopolymers subjected to various forms of confinement are covered, and special attention is paid to the effect of charge and electrostatic screening (polyelectrolyte effect). By focusing on the development of physical intuition rather than mathematical rigor, readers will be better prepared to address complicated, real issues in the life sciences or related fields such as material or food sciences. The book is designed to serve as a bridge between undergraduate textbooks in physical (bio)chemistry and the professional literature, and is thus especially suitable for advanced undergraduate or postgraduate students and professionals who have already acquired basic knowledge of physics, thermodynamics, and molecular biology.



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