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Sommario/riassunto	The book reviews cutting-edge advancements and their implications across various domains of molecular diagnostics. It covers foundational topics like protein-ligand interactions, lipid-protein interactions within biological membranes, and the application of NMR spectroscopy in understanding membrane structures. The book also explores advanced

techniques such as X-ray crystallography, liposome microarray assays, and protein-lipid interaction studies. By integrating experimental and computational methods, it provides a comprehensive guide to understanding the complexities of molecular diagnostics, from basic principles to innovative approaches in drug discovery and therapeutic development. Each chapter offers detailed discussions on specific topics, supported by experimental data and methodological insights, making it an invaluable resource for researchers, clinicians, and students seeking to enhance their knowledge and expertise in molecular diagnostics.