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Nota di contenuto	BIOMACROMOLECULES; CONTENTS; Preface; Abbreviations in Repetitive Use; CHAPTER 1 INTRODUCTION; 1.1 Prelude; 1.2 Covalent Bonds; 1.3 Noncovalent Interactions; 1.3.1 Electrostatic Interaction; 1.3.2 Van der Waals Interaction; 1.3.3 Hydrogen Bond; 1.3.4 Hydrophobic Interaction; 1.3.5 Steric Repulsion; 1.4 Isomerism: Configuration versus Conformation; 1.5 Trilogy; 1.6 References; CHAPTER 2 MONOMER CONSTITUENTS OF BIOMACROMOLECULES; 2.1 Nucleotides: Constituents of Nucleic Acids; 2.2 -Amino Acids: Constituents of Proteins; 2.3 Monosaccharides: Constituents of Glycans; 2.4 Addendum; 2.5 References CHAPTER 3 PURIFICATION AND CHARACTERIZATION 3.1 Purification: Overview; 3.2 Purification: Chromatography; 3.3 Purification: Electrophoresis; 3.4 Characterization: General; 3.4.1 Purity; 3.4.2 Molecular Weight; 3.4.3 Molecular Dimension; 3.5 Characterization: Specific; 3.5.1 Melting Temperature of DNA; 3.5.2 Buoyant Density of Biomacromolecules; 3.5.3 Isoelectric pH of Proteins; 3.5.4 Removal of Glycosides from Glycoproteins; 3.6 References; CHAPTER 4

BIOMACROMOLECULAR STRUCTURE: NUCLEIC ACIDS; 4.1 Structural Organization; 4.1.1 Structural Hierarchy
4.1.2 Representation of Structures of Nucleic Acids
4.2 Sequence Analysis of Nucleic Acids; 4.2.1 General; 4.2.2 Chemical Cleavage Method; 4.2.3 Enzymatic Chain Termination/Dideoxy Method; 4.2.4 Mass Spectrometric Analysis; 4.2.5 Automated DNA Sequencing Technology; 4.3 Secondary Structure and Structure Polymorphism of DNA; 4.3.1 Key Structural Features of Nucleic Acids; 4.3.2 DNA Polymorphism; 4.3.3 Alternative Structures of DNA; 4.4 Supercoiling and Tertiary Structure of DNA; 4.4.1 DNA Topoisomers; 4.4.2 Superhelical Density and Energetics of Supercoiling.
4.5 Classification and Structures of RNA
4.5.1 Structures of RNA; 4.5.2 Transfer RNA; 4.5.3 Ribosomal RNA; 4.5.4 Messenger RNA; 4.5.5 Other Classes of RNA; 4.6 RNA Folds and Structure Motifs; 4.6.1 RNA Folds; 4.6.2 Structure Motifs of RNA; 4.7 Energetics of Nucleic Acid Structure; 4.8 Nucleic Acid Application; 4.9 References; CHAPTER 5
BIOMACROMOLECULAR STRUCTURE: PROTEINS; 5.1 Architecture of Protein Molecules; 5.1.1 Introduction; 5.1.2 Representation of Protein Structures; 5.2 Primary Structure of Proteins: Chemical and Enzymatic Sequence Analysis; 5.2.1 Amino Acid Composition
5.2.2 Peptide Cleavage, Separation and Analysis
5.2.3 Terminal and Sequence Determination; 5.2.4 Peptide Ladder Sequencing; 5.3 Primary Structure of Proteins: Sequence Analysis by Tandem Mass Spectrometry; 5.3.1 An Application of Mass Spectrometry (MS) in Protein Chemistry; 5.3.2 Application of Tandem Mass Spectrometry (MS-MS) in Protein Sequence Analysis; 5.4 Conformational Map; 5.5 Secondary Structures and Motifs of Proteins; 5.5.1 α -Helical Structure; 5.5.2 β -Sheet Structure; 5.5.3 Nonrepetitive Structure: Connection (Loop) and Turn; 5.5.4 Notes to Secondary Structures of Globular Proteins
5.5.5 Motifs: Supersecondary Structures

Sommario/riassunto

This book provides an integrated treatment of the structure and function of nucleic acids, proteins, and glycans, including thorough coverage of relevant computational biochemistry. The text begins with an introduction to the biomacromolecules, followed by discussion of methods of isolation and purification, physicochemical and biochemical properties, and structural characteristics. The next section of the book deals with sequence analysis, analysis of conformation using spectroscopy, chemical synthesis, and computational approaches. The following chapters discuss biomolecular interactions, e

2. Record Nr.	UNINA9910821489603321
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Descrizione fisica	1 online resource (265 pages) : illustrations
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Soggetti	Contemporary, The, in literature American fiction - 20th century - History and criticism American fiction - 21st century - History and criticism Contemporary, The, in motion pictures
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Nota di contenuto	Frontmatter -- Contents -- Acknowledgments -- Introduction: Theses on the Concept of the Contemporary -- Chapter One. Decade: Period Pieces -- Chapter Two. Revival: Situating Noir -- Chapter Three. Waiting: Mysterious Circumstances -- Chapter Four. Weather: Western Climes -- Chapter Five. Survival: Work and Plague -- Conclusion: How to Historicize the Present -- Notes -- Bibliography -- Index
Sommario/riassunto	What does it mean to call something "contemporary"? More than simply denoting what's new, it speaks to how we come to know the present we're living in and how we develop a shared story about it. The story of trying to understand the present is an integral, yet often unnoticed, part of the literature and film of our moment. In Contemporary Drift, Theodore Martin argues that the contemporary is not just a historical period but also a conceptual problem, and he claims that contemporary genre fiction offers a much-needed resource for resolving that problem. Contemporary Drift combines a theoretical focus on the challenge of conceptualizing the present with a historical account of contemporary literature and film. Emphasizing both the difficulty and the necessity of historicizing the contemporary, the book explores how recent works of fiction depict life in an age of global capitalism,

postindustrialism, and climate change. Through new histories of the novel of manners, film noir, the Western, detective fiction, and the postapocalyptic novel, Martin shows how the problem of the contemporary preoccupies a wide range of novelists and filmmakers, including Zadie Smith, Colson Whitehead, Vikram Chandra, China Miéville, Kelly Reichardt, and the Coen brothers. Martin argues that genre provides these artists with a formal strategy for understanding both the content and the concept of the contemporary. Genre writing, with its mix of old and new, brings to light the complicated process by which we make sense of our present and determine what belongs to our time.
