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Altri autori (Persone)	NarainRavin
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Nota di contenuto	CHEMISTRY OF BIOCONJUGATES; CONTENTS; PREFACE; CONTRIBUTORS; SECTION I GENERAL METHODS OF BIOCONJUGATION; 1 COVALENT AND NONCOVALENT BIOCONJUGATION STRATEGIES; 1.1 INTRODUCTION; 1.2 COVALENT BIOCONJUGATION STRATEGIES; 1.2.1 Carboxyl Modifications; 1.2.2 Carbonyl Functional Groups; 1.2.3 Amine Modifications; 1.2.4 Thiol Modifications; 1.2.5 Hydroxyl Modifications; 1.2.6 Native Chemical Ligation and Expressed Protein Ligation; 1.2.7 Cross-linking Reagents for Bioconjugation; 1.2.8 Bioorthogonal Reactions; 1.2.9 Bioconjugation Via Transition Metal-catalyzed/Mediated Reactions 1.2.10 Other Covalent Bioconjugation Methods 1.3 NONCOVALENT BIOCONJUGATION STRATEGIES; 1.3.1 Biotin-(Strept)Avidin System; 1.3.2 Electrostatic Interactions; 1.3.3 Metal-mediated Non-covalent Conjugation; 1.3.4 Hybridization Method; 1.4 CONCLUSIONS AND OUTLOOK; REFERENCES; SECTION II POLYMER BIOCONJUGATES; 2 BIOCONJUGATES BASED ON POLY(ETHYLENE GLYCOL)S AND POLYGLYCEROLS; 2.1 INTRODUCTION; 2.2 POLYETHYLENE GLYCOL-BASED BIOCONJUGATES; 2.2.1 PEG-protein Conjugates; 2.2.2 PEG-peptide Conjugates; 2.2.3 PEG-antibody Conjugates; 2.2.4 PEGylation of Cells and Tissues

2.2.5 PEG Conjugates of Oligonucleotides, Aptamers, and siRNAs
2.2.6 PEG-drug Conjugates (PEG prodrugs); 2.2.7 PEGylation of Viruses; 2.3 LIMITATIONS OF PEG CONJUGATES; 2.4 POLYGLYCEROL-BASED CONJUGATES; 2.4.1 HPG-drug Conjugates; 2.4.2 HPG-peptide and Protein Conjugates; 2.4.3 HPG Glycoconjugates; 2.4.4 HPG-Red Blood Cell Conjugates for Antigen Protection; 2.5 CONCLUSIONS; ACKNOWLEDGMENTS; REFERENCES; 3 SYNTHETIC POLYMER BIOCONJUGATE SYSTEMS; 3.1 INTRODUCTION; 3.2 PEPTIDE OR PROTEIN BIOCONJUGATION TECHNIQUES; 3.2.1 Conjugation with Amino Acid; 3.2.2 Conjugation with Peptide Chain; 3.2.3 Conjugation with Proteins; 3.3 CARBOHYDRATE BIOCONJUGATION TECHNIQUES; 3.4 CONJUGATION WITH NUCLEIC ACID; 3.5 CONJUGATION WITH DRUGS; 3.6 CONJUGATION WITH CONTRAST AGENTS; 3.6.1 Polymers for Magnetic Resonance Imaging; 3.6.2 Polymers for Optical Imaging; 3.6.3 Polymers for Nuclear imaging; 3.7 CONCLUSION AND PERSPECTIVE; REFERENCES; 4 NATURAL POLYMER BIOCONJUGATE SYSTEMS; 4.1 INTRODUCTION; 4.2 NATURAL POLYMER SYSTEMS; 4.2.1 Protein-origin Polymer Bioconjugates; 4.2.2 Polysaccharidic Polymer Bioconjugates; 4.3 CONCLUSION AND FUTURE DIRECTIONS; ACKNOWLEDGMENT; REFERENCES; 5 DENDRIMER BIOCONJUGATES: SYNTHESIS AND APPLICATIONS; 5.1 INTRODUCTION-DENDRIMERS FOR BIOCONJUGATE CHEMISTRY; 5.2 DENDRIMER-DRUG CONJUGATES; 5.2.1 Motivation for the Development of Dendrimer-Drug Conjugates; 5.2.2 Dendrimer-DOX Conjugates; 5.2.3 Dendrimer-MTX Conjugates; 5.2.4 Dendrimer-TAX Conjugates; 5.2.5 Dendrimer-NAC Conjugates; 5.2.6 Dendrimer-Sulfonic Acids; 5.3 DENDRIMER-CARBOHYDRATE CONJUGATES; 5.3.1 Motivation for the Development of Dendrimer-Carbohydrate Conjugates; 5.3.2 Dendrimer-Mannose Conjugates; 5.3.3 Dendrimer-Galactose Conjugates; 5.3.4 Dendrimer-AcNA Conjugates; 5.4 DENDRIMER CONJUGATES WITH IMAGING AGENTS

Sommario/riassunto

This book describes the chemistries involved in bioconjugation followed by an extensive review of all types of bioconjugates (polymers, dendrimers, nanoparticles, carbon nanotubes) reported in the literature for different bio-related applications. A section is devoted to the physico-chemical and biochemical properties of bioconjugates and implications in their uses. Finally, the book also provides a comprehensive account about the significance of bioconjugation - coverage that is lacking in many of the current resources available.

2. Record Nr.	UNINA9910791979703321
Titolo	Forgiving and remembering in Northern Ireland : approaches to conflict resolution // edited by Graham Spencer
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Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Contents; Acknowledgements; Foreword; Introduction: Forgiving and Remembering in Northern Ireland; 1 Forgiving: A Doubting Thomas; 2 Reconnecting the Rhetoric and Reality of Forgiving and Remembering; 3 Home Before Dark; 4 Forgiving as Command and Process: The Problem of Destination over Journey; 5 Memory and Forgetting in a Contested Space; 6 Forgiving and Church Responsibility; 7 On Fire with the Justice of God: Re-Reading Romans as a Political Proclamation Towards a Desired Future; 8 Building Space: Regeneration and Reconciliation 9 Rewriting Our Stories: Narrative, Identity and Forgiveness 10 Forgiveness Through Post-Traumatic Growth; 11 The Transformational Possibilities of Forgiveness; 12 Understanding Through Collaboration and Friendship: An Interview with Jo Berry and Patrick Magee; 13 Developing a Forgiving Spirit: A Personal Story; 14 The Possibility of Forgiveness: An Interview with Duncan Morrow; 15 The Struggle to Forgive; 16 The Release and Gift of Forgiving: An Interview with Richard Moore; Conclusion; List of Contributors

Sommario/riassunto

As Northern Ireland moves from conflict to tentative peace, ongoing violence and unrest underline that the province remains a turbulent and troubled society. This book brings together contributions from those directly affected by the Troubles who work for peace and reconciliation in their communities. The issues they raise are given poignancy and power by being grounded in human experience, and provide a necessary starting point for exploring the tensions which arise in the struggle to reconcile forgiveness and remembrance in order to create a more purposeful and meaningful future. They have i
