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Autore	Hermanson Greg T
Titolo	Bioconjugate techniques [[electronic resource]] / Greg T. Hermanson
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Descrizione fisica	1 online resource (1165 p.)
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Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Front Cover; Bioconjugate Techniques; Copyright Page; Dedication; Contents; Preface to the Third Edition; Acknowledgments; Health and Safety; Intellectual Property; Important Information; 1. Introduction to Bioconjugation; 1. What is Bioconjugation?; 2. Bioconjugation Strategy and Design; 2.1. Start with the Application in Mind; 2.2. Designing the Optimal Bioconjugate; 3. The Applications of Bioconjugates; 3.1. Assay and Quantification; Bioconjugates Used in Heterogeneous Immunoassays; Bioconjugates for Enzyme-Linked Immunoassays; Chemiluminescent Acridinium Ester Conjugates; Fluorescent Oligonucleotide Probes; Molecular Scaffolds to Increase Assay Sensitivity; Bioconjugates Used in Homogeneous Assays; Bioconjugates for FRET Assays; Molecular Beacons and TaqMan Probes; Bioluminescence Resonance Energy Transfer (BRET); Protein Fragment Complementation Assays; Split Reporters; Mass Tags for Quantitative Mass Spectrometry; Limiting Nonspecificity in Bioconjugate Designs; 3.2. Detection, Tracking, and Imaging; Fluorescently Labeled Antibodies and Streptavidin; FRET Based Protease Probes; Interacting Proteins or Domains; Probing by Chemoselective Ligation; Proximity Ligation Assays; Staining with Antibody-Enzyme Conjugates; Bioconjugates for Western Blot Detection; Bioconjugates for Super Resolution Microscopy; 3.3. Purification, Capture, and Scavenging; Purification using Immobilized Affinity Ligands; Immunoprecipitation Techniques; Affinity Capture of Post-Translational Modifications; Affinity Capture using Active Site Binding Probes; Affinity Capture of

Recombinant Fusion Proteins; Covalent Fusion Tag Technology; Scavenging of Contaminants or Unwanted Components; 3.4. Catalysis and Chemical Modification  
Immobilized Proteases for Proteomic AnalysisImmobilized Reactors in Bioengineering; 3.5. Therapeutics and in vivo Diagnostics; Bioconjugates for Cancer Therapy; Antibody Targeting for Biotherapeutics; Polymeric Scaffolds and Nanoparticles for Biotherapeutic Conjugates; Antibody-Directed Enzyme Prodrug Therapy; Radiolabeled Bioconjugates for Cancer; Boron Neutron Capture Therapy; Photodynamic Therapy; Diagnostic Bioconjugates for In Vivo Imaging; Bioconjugates for Radio Imaging; Bioconjugates for High-Contrast Imaging; NIR Fluorescent Conjugates for In Vivo Imaging  
3.6. Vaccines and Immune ModulationCancer Vaccines; Immunogen Conjugates in the Production of Antibodies; 4. Summary; 2. Functional Targets for Bioconjugation; 1. Modification of Amino Acids, Peptides, and Proteins; 1.1. Protein Structure and Reactivity; Amino Acids; Nucleophilic Reactions and the pI of Amino Acid Side Chains; Secondary, Tertiary, and Quaternary Structure; Prosthetic Groups, Cofactors, and Post-Translational Modifications; Protecting the Native Conformation and Activity of Proteins; Oxidation of Amino Acids in Proteins and Peptides  
Solvent Accessibility of Functional Targets in Proteins

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#### Sommario/riassunto

Bioconjugate Techniques, 3rd Edition, is the essential guide to the modification and cross linking of biomolecules for use in research, diagnostics, and therapeutics. It provides highly detailed information on the chemistry, reagent systems, and practical applications for creating labeled or conjugate molecules. It also describes dozens of reactions, with details on hundreds of commercially available reagents and the use of these reagents for modifying or crosslinking peptides and proteins, sugars and polysaccharides, nucleic acids and oligonucleotides, lipids, and synthetic polymers.<b>

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2. Record Nr.	UNINA9910452046003321
Titolo	Understanding Problems of Social Pathology / / edited by Przemysaw Piotrowski
Pubbl/distr/stampa	Leiden; ; Boston : , : BRILL, , 2006
ISBN	94-012-0315-6 1-4294-6804-1
Descrizione fisica	1 online resource (267 p.)
Collana	At the Interface / Probing the Boundaries ; ; 33
Disciplina	306.09438
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Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Przemysaw Piotrowski: Introduction -- PART 1 Norms and Pathology - Probing the Boundaries of Social Life -- Krzysztof MUDY: On Constructive and Destructive Ways of Understanding Personal Freedom and Responsibility -- Richard JACKSON: The Social-Psychological Construction of Violent Political Discourses: Psychopathology in Political Life -- Emil W. PYWACZEWSKI: The Phenomenon of Prostitution in Poland: Around the Problem of Legalization -- Andrzej R. WIAOWSKI: 'Blind Date with Dirty Harry': A Criminal Justice Dispute on the Polish -Language WWW -- PART 2 Problems of Social Pathology: Symptoms and Mechanisms -- Agnieszka OGONOWSKA: Iconic Violence: Description of the Phenomenon -- Piotr SOWIK and Piotr PASSOWICZ: Juvenile Delinquency in Poland: Psycho-Social Conditions -- Christian MOUHANNA: Young People and Police Officers in French Poor Suburbs: The Social Construction of a Conflict -- Przemysław PIOTROWSKI: Collective Behaviour: Psycho-Social Determinants -- Barbara PILECKA: Suicide of the Elderly -- Dorota KUBACKA-JASIECKA: Silent Bystanders to Violence: Social Influence or a Conflict of Identification -- PART 3 Individual and Social-Scale Preventive Strategies -- Małgorzata WYSOCKA-PLECZYK: Victims of Violence:

Stereotypes and the Process of Helping -- Krzysztof ZAJACZKOWSKI:  
Prevalence of Psychoactive Substance Use among Adolescents in Poland  
in the Period of Political Transformation: Change Tendencies and  
Prevention Programmes -- Urszula WOZINIAK: Coping Behaviour of the  
Unemployed from the Perspective of Robert Merton's Theory of Anomie  
-- Notes on Contributors.

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#### Sommario/riassunto

A social reality (including social pathology) is constantly being constructed anew in the process of confrontation of perspectives and definitions of individuals, institutions and social groups. Therefore what interests the authors of the book more than the disputes on the right definition, is the understanding of social pathology phenomena - their causes, mechanisms, and social costs. Complex and multidimensional as it is, social reality is best described from various perspectives. For that reason, a potentially interesting and fruitful interdisciplinary approach characterises the book. It contains mainly texts of psychologists who work at the Jagiellonian University in Cracow. The articles of sociologists, lawyers, and one theoretician of education broaden the horizon and thus contribute new insights to the entirety of the book. The body of articles predominantly relates to Polish reality, as well as stems from the experience of the Polish society in the period of political transformation. No less interesting are the articles on the pathology of political discourse, community-policing problems in France, and issues of social concern (victims of violence, problems of the elderly, and collective behaviour). The volume is of interest for social scientists and professionals as well as for students.

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