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Nota di contenuto	Front matter -- Contents -- Preface -- Section 1: Chemical Principles in Drug Design and Discovery -- 1.1 Functional Groups of Biomolecules and their Reactions / Pinto, Diana C. G. A. / Pereira, João M. P. / Silva, Artur M. S. -- 1.2 Designing Covalent Inhibitors: A Medicinal Chemistry Challenge / Lopes, Francisca / Santos, Maria M. M. / Moreira, Rui -- Section 2: Chemical Basis of Drug Action and Diseases -- 2.1 Pharmacokinetics and Bioanalysis to Improve Drug Development / Fortuna, Ana / Alves, Gilberto / Falcão, Amílcar -- 2.2 Translational Research in Endocrinology and Neuroimmunology Applied to Depression / Wong, Ma-Li / Lewis, Martin / Licinio, Julio -- 2.3 Understanding the Metabolic Syndrome Using a Biomedical Chemistry Profile / Pereira, Cidália / Monteiro, Rosário / João Martins, Maria -- 2.4 Brain Neurochemistry and Cognitive Performance: Neurotransmitter Systems / Lobo, Andrea / Summavieille, Teresa -- Section 3: Strategies to Develop New and Better Drugs -- 3.1 Amino Acids and Peptides in Medicine: Old or New Drugs? / Vale, Nuno -- 3.2 Targeting Calcium-mediated Excitotoxicity in the CNS / Chambers, James J. -- 3.3 Strategies for Conversion of Peptides to Peptidomimetic Drugs / Fransson, Rebecca / Sköld, Christian / Sandström, Anja -- 3.4 Synthetic Vs. Natural Bioactive Compounds Against Tropical Disease / Pybus,

Brandon S. -- 3.5 Current Trends and Developments for Nanotechnology in Cancer / Ferreira, Mónica / Almeida, Patrick / Shahbazi, Mohammad-Ali / Correia, Alexandra / Santos, Hélder A. -- Index

Sommario/riassunto

Biomedical Chemistry provides readers with an understanding of how fundamental chemical concepts are used to combat some diseases. The authors explain the interdisciplinary relationship of chemistry with biology, physics, pharmacy and medicine. The results of chemical research can be applied to understand chemical processes in cells and in the body, and new methods for drug transportation. Also, basic chemical ideas and determination of disease etiology are approached by developing techniques to ensure optimum interaction between drugs and human cells. This Book is an excellent resource for students and researchers in health-related fields with frontier topics in medicinal and pharmaceutical chemistry, organic chemistry and biochemistry.

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Sommario/riassunto

"The second edition of the Urban design reader draws together the very best of classic and contemporary writings to illuminate and expand the theory and practice of urban design. Nearly fifty generous selections include seminal contributions from Howard, Le Corbusier, Lynch and Jacobs to more recent writings by Hiller, Koolhaas and Sorkin. Following the widespread success of the first edition of the Urban design reader, this updated edition continues to provide the most important historical material of the urban design field, but also introduces new topics and selections that address the myriad challenges facing designers today. The six part structure of the second edition guides the reader through the history, theory and practice of urban design. The reader is initially introduced to those classic writings that provide the historical precedents for city-making into the twentieth Century. Section two introduces the voices and ideas that were instrumental in establishing the foundations of the urban design field from the late 1950s up to the mid 1990s. These authors present a critical reading of the design professions and offer an alternative urban design agenda focused on vital and lively places. The authors in section three provide a range of urban design rationales and strategies for reinforcing local physical identity and the creation of memorable places. These selections are largely describing the outcomes of mid-century urban design and voicing concerns over the placeless quality of contemporary urbanism. The fourth part of the Reader explores key issues in urban design and development. Ideas about sprawl, density, community health, public space and everyday life are the primary focus here. Several new selections in this part of the book also highlight important international development trends in the Middle East and China. Section five presents environmental challenges faced by the built environment professions today, including recent material on landscape urbanism, sustainability, and urban resiliency. The final section examines professional practice and current debates in the field: where urban designers work, what they do, their roles, their fields of knowledge and their educational development. The section concludes with several position pieces and debates on the future of urban design practice. This book provides an essential resource for students and practitioners of urban design, drawing together important but widely dispersed writings. Section and selection introductions are provided to assist readers in understanding the context of the material, summary messages, impacts of the writing, and how they fit into the larger picture of the urban design field."
