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Titolo	Biology of C Reactive Protein in Health and Disease [[electronic resource] /] / by Waliza Ansar, Shyamasree Ghosh
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Nota di contenuto	1. Immune System: Freedom from the burden of diseases -- 2. CRP: Historical perspective, structure, evolution, synthesis, clinical and biological functions -- 3. Acute-Phase response and Acute Phase Proteins: Application in Human and Veterinary clinical chemistry -- 4. Inflammation, inflammatory diseases, markers and mediators: Role of CRP in some inflammatory diseases -- 5. Micro-heterogeneity of Proteins: Role in diseases -- 6. Pathobiological role of CRP in some diseases: Clinical medical applications of CRP -- 7. Role of CRP in cardiovascular diseases -- 8. Role of CRP in Leishmaniasis -- 9. CRP and diabetes: Sugar is not so sweet -- 10. CRP and Cancer -- 11. Role of CRP in Malaria. .
Sommario/riassunto	This book offers a comprehensive study of C-reactive protein (CRP) belonging to the pentraxin family, including a brief history of CRP, its structure, synthesis and evolution. Focusing on the emerging role of

CRP and its clinical application in the field of disease biology, it details the pathophysiological role of CRP in a host of diseases such as cardiovascular disease, diabetes, cancers, rheumatoid arthritis and infectious diseases and others. It also discusses the role of innate immunity and acute phase response (APR) and their key mediators in the host body in response to tissue injury, infection, trauma or surgery, immunological disorders or neoplastic growth. CRP's significance in inflammation is highlighted, and its importance as a clinical marker in cardiovascular disease, its functional significance in Leishmania and Plasmodium infections, its association with the development of insulin resistance in type 2 diabetes mellitus, and its role in cancer are discussed in detail. The book also includes clinical data studies and presents the latest research advances to further readers' understanding of CRP. .
