Record Nr. UNINA9910583498803321 Structural biology in immunology: structure/function of novel **Titolo** molecules of immunologic importance / / edited by Chaim Putterman. David Cowburn, Steven Almo London:,: Elsevier,, 2018 Pubbl/distr/stampa **ISBN** 0-12-803370-3 0-12-803369-X Descrizione fisica 1 online resource (188 pages) Disciplina 616.079 Soggetti **Immunology** Biomolecules - Structure Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Nota di contenuto 1. Organization of Immunological Synapses and Kinapses -- 2. Principles of Protein Recognition by Small T-Cell Adhesion Proteins and Costimulatory Receptors -- 3. Synthetic Antibody Engineering: Concepts and Applications -- 4. Natural Killer Cell Receptor -- 5. Structure-Function in Antibodies to Double-Stranded DNA -- 6. The Role of the Constant Region in Antibody-Antigen Interactions: Redefining the Modular Model of Immunoglobulin Structure. Structural Biology in Immunology, Structure/Function of Novel Sommario/riassunto Molecules of Immunologic Importance delivers important information on the structure and functional relationships in novel molecules of immunologic interest. Due to an increasingly sophisticated understanding of the immune system, the approach to the treatment of many immune-mediated diseases, including multiple sclerosis, systemic lupus erythematosus, rheumatoid arthritis, and inflammatory bowel disease has been dramatically altered. Furthermore, there is an increasing awareness of the critical role of the immune system in cancer biology. The improved central structure function relationships presented in this book will further enhance our ability to understand what defects in normal individuals can lead to disease.