Record Nr. UNINA9910827595703321 Autore Castiglione Filippo <1969, > **Titolo** Immune system modelling and simulation / / Filippo Castiglione, Institute for Applied Mathematics, National Research Council of Italy, Rome, Italy and Franco Celada, Department of Medicine, Division of Rheumatology, New York University School of Boca Raton:,: CRC Press,, [2015] Pubbl/distr/stampa ©2015 **ISBN** 0-429-16951-5 Edizione [1st ed.] Descrizione fisica 1 online resource (284 p.) Disciplina 616.07/90285 616.0790285 **Immunoinformatics** Soggetti Immunology - Computer simulation Research Computer simulation Digital computer simulation Inglese Lingua di pubblicazione **Formato** Materiale a stampa Livello bibliografico Monografia "A Science Publishers Book." Note generali Nota di bibliografia Includes bibliographical references and index. Nota di contenuto Cover; Preface; Acknowledgments; Contents; 1: Immunology for Aliens; 2: Aliens for Immunology; 3: C-ImmSim Unveiled; 4: Benchmarks, aka Qualitative Model Validation; 5: Specific Applications; 6: One Last Word; 7: Bibliography; Colour Plate Section Immunology for aliensLeo Szilard paradox: Grand Central Sommario/riassunto TerminalNon-specific defenseLevels of evolution How is a trait selected if it was not needed?Luck or foresight?Blood brothers The members of the winning team are rewarded Somatic recombination produces diversity among equals The workshop of the adaptive response Repertoires A battalion of one Self-inflicted damage threatens survival Don't think, but reason and understandFull cover comes at a cost A bet. not a fantasy, about earliest happeningsThe cooperation of very different cells multiplies jobs that can be done Thymus deeds

Hypothesis