

1. Record Nr.	UNINA9910813357403321
Titolo	Design principles for the immune system and other distributed autonomous systems / / editors, Lee A. Segel, Irun R. Cohen
Pubbl/distr/stampa	Oxford ; ; New York, : Oxford University Press, 2001
ISBN	0-19-028588-5 1-280-83449-8 9786610834495 0-19-803134-3
Edizione	[1st ed.]
Descrizione fisica	1 online resource (xviii, 408 pages) : illustrations
Collana	Santa Fe Institute studies in the sciences of complexity. Proceedings
Altri autori (Persone)	SegelLee A CohenIrun R
Disciplina	003.5 616.07/9/01
Soggetti	Immune system System theory Biological systems
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Based on a proceedings.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Contents; Preface; PART I: AN OVERVIEW OF IMMUNOLOGY; PART II: CASE STUDIES IN IMMUNE COMPLEXITY: EXPERIMENTS; PART III: DESIGN PRINCIPLES FOR THE IMMUNE SYSTEM; PART IV: BIOCHEMICAL SYSTEMS; PART V: SOCIAL INSECTS; PART VI: APPLICATIONS TO COMPUTER SCIENCE; Index
Sommario/riassunto	Preface. Part I: An Overview of Immunology. Introduction to the Immune System. Part II: Case Studies in Immune Complexity: Experiments. Cytokines: A Common Signaling System for Cell Growth, Inflammation, Immunity, and Differentiation. Th1/Th2 Effector Choice in the Immune System: A Developmental Program Influenced by Cytokine Signals. Oral Tolerance. Part III: Design Principles for the Immune System. An Introduction to Immuno-Ecology and Immuno-Informatics. The Creation of Immune Specificity. Diversity in the Immune System. T Cells Obey the Tenets of Signal Detection Theory. Diffuse Feedback f

