

1. Record Nr.	UNINA9910598037903321
Titolo	Advance of Polymers Applied to Biomedical Applications : Cell Scaffolds // edited by Insung S. Choi, Joao F. Mano
Pubbl/distr/stampa	[Place of publication not identified] : , : MDPI - Multidisciplinary Digital Publishing Institute, , 2018 ©2018
Descrizione fisica	1 online resource (407 pages)
Disciplina	610.284
Soggetti	Polymers in medicine
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Sommario/riassunto	This book is a printed edition of the Special Issue "Advance of Polymers Applied to Biomedical Applications: Cell Scaffolds" that was published in Polymers.

2. Record Nr.	UNINA9910790057703321
Autore	Kauffman Stuart A
Titolo	The Origins of Order [[electronic resource] ] : Self-Organization and Selection in Evolution
Pubbl/distr/stampa	Oxford, : Oxford University Press, USA, 1993
ISBN	0-19-770175-2 0-19-982647-1
Descrizione fisica	1 online resource (1575 p.)
Disciplina	575 577
Soggetti	Evolution -- Philosophy Life -- Origin Molecular evolution Self-organizing systems
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di contenuto	Cover Page; Title Page; Copyright Page; Dedication; Contents; Themes; Chapter 1. Conceptual Outline of Current Evolutionary Theory; The Emergence of the Neo-Darwinian Synthesis; Enlarging the Framework; Summary; Part I Adaptation on the Edge of Chaos; Chapter 2. The Structure of Rugged Fitness Landscapes; Chapter 3. Biological Implications of Rugged Fitness Landscapes; Chapter 4. The Structure of Adaptive Landscapes Underlying Protein Evolution; Chapter 5. Self-Organization and Adaptation in Complex Systems; Chapter 6. The Dynamics of Coevolving Systems; Part II The Crystallization of Life Chapter 7. The Origins of Life: A New ViewChapter 8. The Origin of a Connected Metabolism; Chapter 9. Hypercycles and Coding; Chapter 10. Random Grammars: Models of Functional Integration and Transformation; Part III Order and Ontogeny; Chapter 11. The Architecture of Genetic Regulatory Circuits and Its Evolution; Chapter 12. Differentiation: The Dynamical Behaviors of Genetic Regulatory Networks; Chapter 13. Selection for Cell Types; Chapter 14. Morphology, Maps, and the Spatial Ordering of Integrated Tissues; Epilogue; Bibliography; Index

## Sommario/riassunto

Stuart Kauffman here presents a brilliant new paradigm for evolutionary biology, one that extends the basic concepts of Darwinian evolution to accommodate recent findings and perspectives from the fields of biology, physics, chemistry and mathematics. The book drives to the heart of the exciting debate on the origins of life and maintenance of order in complex biological systems. It focuses on the concept of self-organization: the spontaneous emergence of order that is widely observed throughout nature. Kauffman argues that self-organization plays an important role in the Darwinian process of n

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