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	Collana	Stochastics in Biological Systems, , 2364-2297 ; ; 1.5
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	Soggetti	Biomathematics Probabilities Neurosciences Statistics Physiological, Cellular and Medical Topics Probability Theory and Stochastic Processes Statistics for Life Sciences, Medicine, Health Sciences
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	Nota di bibliografia	Includes bibliographical references and index.
	Nota di contenuto	Introduction Single Neuron Models Population and Subpopulation Models Spatially-structured Neural Systems The Bigger Picture.
	Sommario/riassunto	This book describes a large number of open problems in the theory of stochastic neural systems, with the aim of enticing probabilists to work on them. This includes problems arising from stochastic models of individual neurons as well as those arising from stochastic models of the activities of small and large networks of interconnected neurons. The necessary neuroscience background to these problems is outlined within the text, so readers can grasp the context in which they arise. This book will be useful for graduate students and instructors

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