

1. Record Nr.	UNINA990001440060403321
Autore	Dembo, Amir
Titolo	Large deviations techniques and applications / Amir Dembo, Ofer Zeitouni
Pubbl/distr/stampa	New York : Springer, c1998
ISBN	0-387-98406-2
Edizione	[Second edition]
Descrizione fisica	xvi, 396 p. ; 25 cm
Collana	Applications of mathematics Stochastic Modelling and Applied Probability
Disciplina	519.5
Locazione	MA1
Collocazione	C-39-(38
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr.	UNINA9910785343003321
Autore	Keynes R. D.
Titolo	Nerve and muscle // Richard D. Keynes, David J. Aidley, Christopher L. -H. Huang [[electronic resource]]
Pubbl/distr/stampa	Cambridge : , : Cambridge University Press, , 2011
ISBN	1-107-21621-4 0-511-85306-8 1-282-93079-6 9786612930799 0-511-97393-4 0-511-93188-3 0-511-93054-2 0-511-92803-3 0-511-93324-X 0-511-92550-6
Edizione	[Fourth edition.]
Descrizione fisica	1 online resource (x, 183 pages) : digital, PDF file(s)
Disciplina	573.7/528
Soggetti	Myoneural junction Neuromuscular transmission Muscle contraction
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from publisher's bibliographic system (viewed on 05 Oct 2015).
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Cover; Half-title; Title; Copyright; Contents; Preface; 1 Structural organization of the nervous system; 2 Resting and action potentials; 3 The ionic permeability of the nerve membrane; 4 Membrane permeability changes during excitation; 5 Voltage-gated ion channels; 6 Cable theory and saltatory conduction; 7 Neuromuscular transmission; 8 Synaptic transmission in the nervous system; 9 The mechanism of contraction in skeletal muscle; 10 The activation of skeletal muscle; 11 Contractile function in skeletal muscle; 12 Cardiac muscle; 13 Smooth muscle; Further reading; References; Index
Sommario/riassunto	Written with undergraduate students in mind, the new edition of this classic textbook provides a compact introduction to the physiology of

nerve and muscle. It gives a straightforward account of the fundamentals accompanied by some of the experimental evidence upon which this understanding is based. It first explores the nature of nerve impulses, clarifying their mechanisms in terms of ion flow through molecular channels in cell membranes. There then follows an account of the synaptic transmission processes by which one excitable cell influences activity in another. Finally, the emphasis turns to the consequences of excitable activity in the activation of contraction in skeletal, cardiac and smooth muscle, highlighting the relationships between cellular structure and function. This fourth edition includes new material on the molecular nature of ion channels, the activation of skeletal muscle and the function of cardiac and smooth muscle, reflecting exciting new developments in these rapidly growing fields.
