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Titolo	Mechanosensory Transduction in Drosophila Melanogaster / / by Xin Liang, Landi Sun, Zhen Liu
Pubbl/distr/stampa	Singapore : , : Springer Singapore : , : Imprint : Springer, , 2017
ISBN	981-10-6526-8
Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (IX, 82 p. 30 illus., 26 illus. in color.)
Collana	SpringerBriefs in Biochemistry and Molecular Biology, , 2211-9353
Disciplina	591.18
Soggetti	Neurochemistry
	Biochemistry
	Animal models in research
	Biochemistry, general
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Overview of Mechanosensory Transduction "Gating-Spring" Model
	melanogaster Mechanotransduction in Drosophila mechanoreceptors
	Drosophila Mechanotransduction Channels.
Sommario/riassunto	This book offers an essential introduction for all graduate students and
	researchers who are working on or interested in mechanotransduction
	using truit files as their model organisms. Designed for accessibility, it follows a simple five-chapter structure, beginning with a general
	introduction to mechanotransduction in physiology (Chapter 1) and
	some basic considerations on the principles behind
	mechanotransduction processes (Chapter 2). In turn, Chapters 3, 4 and
	5 focus on mechanoreceptors in Drosophila melanogaster. Chapter 3 explains how the fly's mechanosensitive cells (i.e. mechanoreceptors)
	contribute to its daily life, while Chapter 4 explores the ultrastructural
	and mechanical basis for the working mechanisms of various fly
	mechanoreceptors. Lastly, Chapter 5 elaborates on the structure,
	tunction and physiology of mechanosensitive molecules in fly
	framework, helping readers understand mechanosensorv transduction.
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