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Titolo	TRP Channels in Sensory Transduction / / edited by Rodolfo Madrid, Juan Bacigalupo
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ISBN	3-319-18705-8
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (236 p.)
Disciplina	610
Soggetti	Neurosciences Human physiology Neurobiology Human Physiology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Preface -- Introduction -- Biophysical and molecular features of thermo sensitive TRP channels involved in sensory transduction -- Pharmacology of TRP channels -- Modulation of TRP channels by N-glycosylation and Phosphorylation -- TRP channels in visual transductions -- TRP channels in transduction for responses to odorants and pheromones -- TRP channels as targets for modulation of taste transduction -- TRP channels and mechanical transduction -- TRP channels in the sensation of heat -- TRP channels in cold transduction -- Mathematical modeling of TRPM8 and the cold thermoreceptors.
Sommario/riassunto	TRP channels play a key role in sensory physiology and have been the focus of intensive investigation in recent years. This book is a comprehensive, detailed overview of the ways in which TRP channels are involved in a wide variety of sensory modalities. Authors explore the involvement of TRP channels in phototransduction (sight), chemotransduction (taste and odor), mechanotransduction (touch and hearing), thermotransduction (the sensation of temperature), and pain perception. Furthermore, the book includes some grounding chapters such as one on the history of TRP channel research, one on the biophysical characteristics of the proteins, and one on trafficking and

post-translational regulation.