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Nota di contenuto	MAMMALIAN TRP CHANNELS AS MOLECULAR TARGETS; Contents; Chair's introduction; Molecular genetics of Drosophila TRP channels; Discussion; Mammalian TRPC channel subunit assembly; Discussion; TRPC channel interactions with calmodulin and IP(3) receptors; Discussion; Plasma membrane localization of TRPC channels: role of caveolar lipid rafts; Discussion; Assembly and gating of TRPC channels in signalling microdomains; Discussion; General discussion I; Activation, subunit composition and physiological relevance of DAG-sensitive TRPC proteins; Discussion; Signalling mechanisms for TRPC3 channels DiscussionDiversity of TRP channel activation; Discussion; General discussion II; Regulation of Drosophila TRP channels by lipid messengers; Discussion; Control of TRPC and store-operated channels by protein kinase C; Discussion; TRPC4 and TRPC4 deficient mice;

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Sommario/riassunto	This book brings together contributions from key investigators in the area of Transient Receptor Potential (TRP) channel structure and function. It covers the structure, function and regulation of mammalian TRP channels and mechanisms of signal transduction. The discussions indicate research that would improve understanding of the role of TRP channels in normal cellular physiology, the involvement of TRP channels in disease states and their potential use as molecular targets for novel therapeutic agents.