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Nota di contenuto	PMCA -- Calcium channel -- Sodium/calcium exchanger -- Endoplasmic Reticulum -- SERCA Pump H -- IP3R -- IP3R -- RyR -- History of the SOCE concept -- STIM/Orai -- TRPC channel -- MCU complex -- VDAC -- Annexins -- Cytokinesis and Ca ²⁺ signaling.
Sommario/riassunto	This book describes the newest discoveries on calcium signaling happening at the cellular and intracellular membranes, often exerted in so called microdomains. Calcium entry and release, its interaction with proteins and resulting events on proteins and organelles are comprehensively depicted by leading experts in the field. Knowledge about details of these highly dynamic processes rapidly increased in recent years, the book therefore provides a timely summary on the processes of calcium signaling and related membrane dynamics; it is aimed at students and researchers in biochemistry and cell biology.