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Nota di contenuto	CALCIUM WAVES, GRADIENTS AND OSCILLATlONS; Contents; Participants; Introduction; Calcium waves and development; Subcellular organization signalling in hepatocytes liver of calcium and the intact; Calcium puffs in Xenopus oocytes; Spiral calcium waves: implications for signalling; Local calcium spiking in pancreatic acinar cel Is; Pancreatic calcium waves and secretion; Calcium signalling during chemotaxis; General discussion I; Calcium signalling in cardiac muscle cells; General discussion I I; Intercellular calcium waves mediated by inositol trisphosphate The triggering of astrocytic calcium waves by NMDA-induced neuronal activation Calcium oscillations in neurons; Calcium signalling during mammalian fertilization; Regulation of nuclear calcium concentration; kina1 discussion; Summing UP; Index of contributors; Subject index
Sommario/riassunto	Renowned contributors provide comprehensive coverage of calcium gradients, waves and oscillations in diverse systems. Discusses the

mechanisms initiating and sustaining calcium waves and their role in cell function. Describes studies using the latest techniques for measuring calcium ion gradients including chemiluminescent indicators.