

1. Record Nr.	UNINA9911019616503321
Titolo	Calcium waves, gradients and oscillations / / [editors, Gregory R. Bock (organizer) and Kate Ackrill]
Pubbl/distr/stampa	Chichester [England] ; ; New York, : J. Wiley & Sons, 1995
ISBN	9786612122446 9781282122444 1282122444 9780470514696 0470514698 9780470514702 0470514701
Descrizione fisica	1 online resource (302 p.)
Collana	Ciba Foundation symposium ; ; 188
Altri autori (Persone)	BockGregory AckrillKate
Disciplina	574.87
Soggetti	Calcium ions - Physiological effect Cellular signal transduction Calcium ions - Physiological transport Calcium channels
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Symposium on Calcium waves, gradients and oscillations, held at the Ciba Foundation, London, 26-28 April 1994."
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	CALCIUM WAVES, GRADIENTS AND OSCILLATIONS; 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 ls; 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.
