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Altri autori (Persone)	SatoRyo <1923-1996.> BockGregory WiddowsKate
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Nota di contenuto	INTERACTIONS AMONG CELL SIGNALLING SYSTEMS; Contents; Introduction; Inositol lipids and phosphates in the proliferation and differentiation of lymphocytes and myeloid cells; The inositol 1,4,5-trisphosphate receptor; Regulation of phosphoinositide and phosphatidylcholine phospholipases by G proteins; The signal-induced phospholipid degradation cascade and protein kinase C activation; The acetylcholine receptor: a model of an allosteric membrane protein mediating intercellular communication; Ca ²⁺ -cyclic AMP interactions in sustained cellular responses Growth factor-stimulated phosphorylation cascades: activation of growth factor-stimulated MAP kinase Tyrosine phosphatases and their

possible interplay with tyrosine kinases; Calmodulin and protein kinase C cross-talk: the MARCKS protein is an actin filament and plasma membrane cross-linking protein regulated by protein kinase C phosphorylation and by calmodulin; The synaptic activation of NMDA receptors and Ca^{2+} signalling in neurons; Persistent signalling and changes in presynaptic function in long-term potentiation; General discussion I The metabotropic glutamate receptor Distribution of protein kinase C subspecies in the hippocampal formation Cross-talk between the phosphatidylinositol and adenylate cyclase signalling systems; T lymphocyte activation signals; Growth factor phosphorylation of C-y1; Protein tyrosine kinases belonging to the src family; General discussion II; Index of contributors; Subject index

Sommario/riassunto

A panel of internationally renowned experts present papers on cell signalling--an area in which there has been recent important advances. Coverage includes the inositol 1, 4, 5-triphosphate receptor, signal-induced phospholipid degradation cascade and protein kinase C activation, cyclic AMP interactions in sustained cellular response, the acetylcholine receptor and much more.
