

# Stimulus-secretion Coupling In Chromaffin Cells

by Peter I Lelkes Kurt Rosenheck

Controlling Stimulus-Secretion Coupling in Adrenal Chromaffin Cells 1 Jan 1987 . Stimulus secretion in response to acetylcholine (or nicotine) in adrenal chromaffin cells involves calcium influx and is tetrodotoxin insensitive. The results are discussed with respect to models of stimulus secretion coupling in bovine adrenal chromaffin cells. Stimulus-secretion coupling in chromaffin cells isolated . - NCBI - NIH Buy Stimulus-Secretion Coupling in Chromaffin Cells, Vol. 1 on Amazon.com ? FREE SHIPPING on qualified orders. Revisiting the stimulus-secretion coupling in the adrenal medulla . 1 Sep 2009 . Stimulus-secretion coupling (SSC) in endocrine cells remains for adrenal chromaffin cells that blends features of Ca<sup>2+</sup> entry-dependent SSC The Electrophysiology of Neuroendocrine Cells - Google Books Result Adrenal paraneurone contractile proteins and stimulus-secretion coupling . Actin, myosin, and alpha-actinin have been isolated from adrenal chromaffin cells Control of Stimulus-Secretion Coupling in Adrenal Medullary . Linopirdine Modulates Calcium Signaling and Stimulus-Secretion Coupling in Adrenal Chromaffin Cells by Targeting. M-Type K Channels and Nicotinic Unifying concepts in stimulus-secretion coupling in endocrine cells . We report that when bovine chromaffin cells are continuously perfused . respect to models of stimulus secretion coupling in bovine adrenal chromaffin cells. Images for Stimulus-secretion Coupling In Chromaffin Cells Controlling Stimulus-Secretion Coupling in Adrenal Chromaffin Cells: A Novel Role for the Serotonin Transporter? Rebecca L. Brindley. x. Rebecca L. Brindley. Stimulus-secretion coupling in chromaffin cells isolated from . - NCBI logical stimulus to the chromaffin cells and the emergence of evidence on how it acts. may indeed be a useful model for studying stimulus-secretion coupling. The Adrenal Medulla 1986-1988 - Google Books Result secretory cells such as adrenal chromaffin cells and PC12 cells. calcium, stimulus-secretion coupling, Fura-2 imaging, adrenal chromaffin cell, PC12 cell. (AtT-20): Differential Roles in Stimulus-Secretion Coupling 24 Jun 2009 . intercellular chromaffin cell communication mediated by gap junctions represents an stimulus-secretion coupling at the cell cluster level. Modeling of simulation-secretion coupling in a chromaffin cell . of stimulus-secretion coupling in insulin release has emerged in which . adrenal chromaffin cells, simultaneous voltametric detection of catecholamine Pheochromocytoma - Google Books Result Adrenal chromaffin cells and their cancer cell line, pheochromocytoma PC-12 cells, are useful for studying the mechanism of the stimulus-secretion coupling, . Bidirectional Modulation of Exocytosis by Angiotensin II Involves . Secretion of vesicular contents by exocytosis is a common feature of neuroendocrine secretory cells such as adrenal chromaffin cells and PC12 cells. Although it Stimulation of Catecholamine Secretion from Cultured Chromaffin . 4 Jan 2018 . Request PDF on ResearchGate Stimulus-secretion coupling in porcine adrenal chromaffin cells: Effect of dexamethasone Recent studies Stimulus-Secretion Coupling in Chromaffin cells Isolated from . - Jstor ABSTRACT: We constructed a chromaffin cell model for analysis of stimulation-secretion coupling in computer simulation studies. The model includes Revisiting the stimulus-secretion coupling in the . - HAL-Inserm Stimulus-secretion coupling (SSC) in endocrine cells remains underappreciated . Keywords: ion channels, exocytosis, granule pools, adrenal chromaffin cells, Adrenal paraneurone contractile proteins and stimulus-secretion . feedback loops controls stimulus-secretion coupling in . of stimulus-secretion coupling are facilitated by the fact that the AtT-20 cells anisms underlying stimulus-secretion from chromaffin cells in response to pituitary adenylate cyclase-. Schematic diagram of chromaffin cell stimulus-secretion coupling . 5036-5040, November 1977. Cell Biology. Stimulus-secretion coupling in chr from bovine adrenal medulla. (catecholamine secretion/acetylcholine receptors/K<sup>+</sup> Stimulus secretion coupling in cultured chromaffin cells . Abstract. Bovine adrenal chromaffin cells were isolated by removal of the cortex and sequential collagenase digestion of the medulla. The catecholamine Unifying concepts in stimulus-secretion coupling in endocrine cells . tured that two chromaffin cell populations exist (277). chain of events linking stimulus to secretory response (stimulus-secretion coupling) in the chromaffin cell Comparison of Cytosolic Ca<sup>2+</sup> and Exocytosis Responses from . Proc Natl Acad Sci U S A. 1977 Nov74(11):5036-40. Stimulus-secretion coupling in chromaffin cells isolated from bovine adrenal medulla. Schneider AS, Herz stimulus-secretion coupling - Semantic Scholar The chromaffin cells secrete catecholamines into the blood in response to . This notion of "stimulus-secretion coupling", as defined originally by Douglas and stimulus secretion coupling in cultured chromaffin cells 183 stimulus-secretion coupling in excitable cells: a . - CiteSeerX The relationship between cytosolic Ca<sup>2+</sup> + and catecholamine secretion during stimulus-secretion coupling has been examined at individual chromaffin cells . Stimulus-Secretion Coupling in Chromaffin Cells, Vol. 1: Kurt Key words: secretion, calcium, exocytosis, stimulus-secretion coupling. material released following stimulus of the chromaffin cell. The basic point is that. Gap junction signalling is a stress-regulated component of adrenal . 1 Jul 2000 . Chromaffin cells were voltage-clamped at ?80 mV in directly the effects of AngII on stimulus-secretion coupling in adrenal chromaffin cells. Old and emerging concepts on adrenal chromaffin cell stimulus . ?6 Nov 2017 . The chromaffin cells (CCs) of the adrenal medulla play a key role in the concepts on adrenal chromaffin cell stimulus-secretion coupling. Linopirdine Modulates Calcium Signaling and Stimulus-Secretion . The current view of stimulation-secretion coupling in adrenal neuroendocrine chromaffin cells holds that catecholamines are released upon transsynaptic . Stimulus-secretion coupling in porcine adrenal chromaffin cells . For a comprehensive introduction to the topic of stimulussecretion coupling in chromaffin cells, the impressive twovolume review edited by Rosenheck and . Possible role of bradykinin on stimulus-secretion coupling in adrenal . Fig. 5. Schematic diagram of chromaffin cell stimulus-secretion coupling. The splanchnic nerve that innervates chromaffin cell release acetylcholine (Ach) that secretion coupling: the concept and clues from chromaffin and other . into intact chromaffin cells of the bovine adrenal medulla, in order to study the possible involvement of actin and myosin in stimulus-secretion coupling. H". ?Electrophysiology of

Stimulus-Secretion Coupling in Human P-Cells 1 Sep 1982 . Chromaffin Cells by an Ionophore-mediated Rise in Intracellular The key role of Ca<sup>+</sup> in stimulus-secretion coupling in secretory cells was Stimulus-secretion coupling in excitable cells: a central role for calcium 20 Dec 2013 . In this regard, adrenal chromaffin cells are remarkable and the study of a putative contribution of gap junctions to stimulus-secretion coupling.