
Ltp Mechanisms Dentate Gyrus Vivo

Ltp mechanisms in the dentate gyrus in vivo - 2 ltp mechanisms in the dentate gyrus in vivo: bdnf signaling, translation control, and gene function tambudzai kanhema dissertation for the degree philosophiae doctor (phd) **structural mechanisms of bidirectional synaptic plasticity ...** - structural mechanisms of bidirectional synaptic plasticity in the dentate gyrus of freely behaving rats a thesis presented to the university of otago in candidacy for the degree of doctor of philosophy jared b. bowden supervised by wickliffe c. abraham (university of otago) & kristen m. harris (university of texas, austin) november 2010. iii abstract this research thesis is part of a ... **article intracellular mechanisms underlying the nicotinic ...** - 1 receiving editor: jrthwaite intracellular mechanisms underlying the nicotinic enhancement of ltp in the rat dentate gyrus philip welsby **kappa opioids inhibit induction of long-term potentiation ...** - that endogenous opioids can regulate ltp in the dentate gyrus. in support of this hypothesis, stimulation of dynorphin-containing fibers also blocked ltp production in an nbni-sensitive manner. finally, dynorphin-mediated inhibition of ltp acts primarily on mechanisms of induction rather than maintenance or expression, since dynorphin released immediately before, but not immediately after ... **dentate gyrus neurogenesis and depression** - the dentate gyrus, proliferation in the sgz also generates glial cells. the emerging role for glial cells in modulating synaptic function in health and disease underscores the need to **two-stage translational control of dentate gyrus ltp ...** - cell reports article two-stage translational control of dentate gyrus ltp consolidation is mediated by sustained bdnf-trkb signaling to mnk debabrata panja,1,2 justin w. kenney,3 laura d'andrea,5 francesca zalfa,6 anni vedeler,1 karin wibrand,1,2 **pregs induces ltp in the hippocampal dentate gyrus of ...** - pregs induces ltp in the hippocampal dentate gyrus of adult rats ... the exact underlying mechanisms of this action still remain to be elucidated. long-term potentiation (ltp) is widely accepted ... **reinforcement of early long-term potentiation (early-ltp ...** - reinforcement of early long-term potentiation (early-ltp) in dentate gyrus by stimulation of the basolateral amygdala: heterosynaptic induction mechanisms of late-ltp **long-term potentiation in the dentate gyrus is not linked ...** - the dentate gyrus contained more glutamate after ltp induction (2- to 3-fold basal levels for 1.5 h after ltp induction) (bliss et al. 1986), and the specific nmda receptor antagonist **analysis of the presynaptic signaling mechanisms ...** - letter to the editor analysis of the presynaptic signaling mechanisms underlying the inhibition of ltp in rat dentate gyrus by the tyrosine kinase inhibitor, genistein **cumulative long-term potentiation in the rat dentate gyrus ...** - hippocampus, vol. 3, no. 2, pages 133-140, april 1993 cumulative long-term potentiation in the rat dentate gyrus correlates with, but does not modify, performance **long-term potentiation increases tyrosine phosphorylation ...** - dependent upon n-methyl-d-aspartate (nmda) receptors and can be elicited in the dentate gyrus and hippocampal ca1. induction of this type of ltp is triggered by influx of ca²⁺ **the three faces of norepinephrine: plasticity at the ...** - the three faces of norepinephrine 3 ltp in vitro, in contrast to the earlier in vivo study, suggesting a direct action of ne in the dentate gyrus and an indirect mediation of 5-ht depletion effects, possibly via **bliss, t. v. p., collingridge, g., morris, r. g. m ...** - dentate gyrus, a perforant path volley elicits an initial negative-going synaptically generated population (or field) potential, followed by a positive-going spike reflecting the

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