

Title (en)

METHODS AND COMPOSITIONS FOR REGULATING MEMORY CONSOLIDATION

Title (de)

VERFAHREN UND ZUSAMMENSETZUNGEN ZUM REGULIEREN DER GEDÄCHTNIS-KONSOLIDIERUNG

Title (fr)

PROCEDES ET COMPOSITIONS POUR REGULER LA CONSOLIDATION DE LA MEMOIRE

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Application

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Abstract (en)

[origin: WO0174298A2] The present invention is based on discovery of genes that are up- or down-regulated in inhibitory avoidance, e.g., long-term memory, which genes are therefor believed to have roles in memory consolidation. In particular, we have discovered that memory consolidation involves the regulation of expression of such genes as zif268 (EGR1), insulin-like growth factor (IGF-1), glutamate receptor 1 (GluR1), glutamate receptor 2 (GluR2), c/EBP beta and VGF. For ease of reading, these genes are collectively referred to herein as "LTM genes", and their encoded proteins as "LTM proteins".

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