

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

Publication

EP 1331930 A2 20030806 (EN)

Application

EP 01924598 A 20010402

Priority

- US 0110661 W 20010402
- US 19361400 P 20000331

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".

IPC 1-7

A61K 31/00; **A61K 33/00**; **A61K 38/00**; **A61K 39/00**

IPC 8 full level

G01N 33/50 (2006.01); **A61K 38/17** (2006.01); **A61K 38/22** (2006.01); **A61K 38/55** (2006.01); **A61K 45/00** (2006.01); **A61K 45/06** (2006.01); **A61P 25/00** (2006.01); **A61P 25/08** (2006.01); **A61P 25/28** (2006.01); **C12Q 1/68** (2006.01); **C12Q 1/6883** (2018.01); **G01N 33/15** (2006.01); **G01N 33/53** (2006.01); **G01N 33/566** (2006.01)

CPC (source: EP)

A61K 38/1709 (2013.01); **A61P 25/00** (2017.12); **A61P 25/08** (2017.12); **A61P 25/28** (2017.12); **C12Q 1/6883** (2013.01); **C12Q 2600/158** (2013.01); **G01N 2333/4706** (2013.01); **G01N 2333/65** (2013.01); **G01N 2333/70571** (2013.01); **G01N 2500/00** (2013.01)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

WO 0174298 A2 20011011; **WO 0174298 A3 20030522**; AU 5124201 A 20011015; EP 1331930 A2 20030806; EP 1331930 A4 20030806; JP 2004508288 A 20040318

DOCDB simple family (application)

US 0110661 W 20010402; AU 5124201 A 20010402; EP 01924598 A 20010402; JP 2001572044 A 20010402