

AP-1 transcription factors mediate BDNF-positive feedback loop in cortical neurons

Tuvikene, Jürgen; Pruunsild, Priit; Orav, Ester; Esvald, Eli-Eelika; Timmusk, Tõnis Journal of neuroscience 2016 / p. 1290-1305 : ill <https://doi.org/10.1523/JNEUROSCI.3360-15.2016>

CREB family transcription factors are major mediators of BDNF transcriptional autoregulation in cortical neurons

Esvald, Eli-Eelika; Tuvikene, Jürgen; Sirp, Alex; Patil, Sudarshan; Bramham, Clive; Timmusk, Tõnis Journal of neuroscience 2020 / p. 1405-1426 : ill <https://doi.org/10.1523/JNEUROSCI.0367-19.2019> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Differential regulation of the BDNF gene in cortical and hippocampal neurons

Esvald, Eli-Eelika; Tuvikene, Jürgen; Moistus, Andra; Rannaste, Käthy; Kõomägi, Susann; Timmusk, Tõnis Journal of neuroscience 2022 / p. 9110-9128 <https://doi.org/10.1523/JNEUROSCI.2535-21.2022> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Glial cell line-derived neurotrophic factor rescues target-deprived sympathetic spinal cord neurons but requires transforming growth factor-beta as co-factor in vivo

Schober, A.; Hertel, R.; Arumäe, Urmas; Farkas, L.; Jaszai, J.; Krieglstein, K.; Saarma, Mart; Unsicker, K. Journal of neuroscience 1999 / p. 2008-2015

The intellectual disability and schizophrenia associated transcription factor TCF4 is regulated by neuronal activity and protein kinase A

Sepp, Mari; Vihma, Hanna; Nurm, Kaja; Urb, Mari; Page, Stephanie Cerceo; Roots, Kaisa; Hark, Anu; Maher, Brady J.; Pruunsild, Priit; Timmusk, Tõnis Journal of neuroscience 2017 / p. 10516-10527 : ill <https://doi.org/10.1523/JNEUROSCI.1151-17.2017>

Mechanism of activity-dependent downregulation of the neuron-specific K-Cl cotransporter KCC2

Rivera, Claudio; Voipio, Juha; Saarma, Mart Journal of neuroscience 2004 / 19, p. 4683-4691

Neuronal expression of zinc finger transcription factor REST/NRSF/XBR gene

Palm, Kaia; Belluardo, N.; Metsis, Madis; Timmusk, Tõnis Journal of neuroscience 1998 / p. 1280-1296

Nuclear factor of activated T-cells isoform c4 (NFATc4/NFAT3) as a mediator of anti-apoptotic transcription in NMDA receptor-stimulated cortical neurons

Vashishta, Aruna; Habas, Agata; Pruunsild, Priit; Zheng, Jing-Juan; Timmusk, Tõnis; Hetman, Michal Journal of neuroscience 2009 / 48, p. 15331-15340

Rescue of hearing, auditory hair cells, and neurons by CEP-1347/KT7515, an inhibitor of c-Jun N-terminal kinase activation

Pivola, Ulla; Xing-Qun, L.; Virkkala, J.; Saarma, Mart; Murakata, C.; Camoratto, A.M.; Walton, K.M.; Ylikoski, Jukka Journal of neuroscience 2000 / p. 43-50 <https://pubmed.ncbi.nlm.nih.gov/10627579/>