

## **Alternative splicing and expression of human and mouse NFAT genes**

Vihma, Hanna; Pruunsild, Priit; Timmus, Tõnis Genomics 2008 / p. 279-291 : ill

[https://www.researchgate.net/publication/23145218\\_Alternative\\_splicing\\_and\\_expression\\_of\\_human\\_and\\_mouse\\_NFAT\\_genes](https://www.researchgate.net/publication/23145218_Alternative_splicing_and_expression_of_human_and_mouse_NFAT_genes)

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

Tuvikene, Jürgen; Pruunsild, Priit; Orav, Ester; Esvald, Eli-Elikka; Timmus, Tõnis Journal of neuroscience 2016 / p. 1290-1305 : ill <https://doi.org/10.1523/JNEUROSCI.3360-15.2016> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **Bidirectional transcription from human LRRTM2/CTNNA1 and LRRTM1/CTNNA2 gene loci leads to expression of N-terminally truncated CTNNA1 and CTNNA2 isoforms**

Kask, Martin; Pruunsild, Priit; Timmus, Tõnis Biochemical and biophysical research communications 2011 / p. 56-61 : ill <https://pubmed.ncbi.nlm.nih.gov/21708131/>

## **The CB<sub>1</sub> cannabinoid receptor signals striatal neuroprotection via a PI3K/Akt/mTORC1/BDNF pathway**

Blazquez, C.; Chiarlane, A.; Pruunsild, Priit; Timmus, Tõnis Cell death and differentiation 2015 / p. 1618-1629 : ill <https://doi.org/10.1038/cdd.2015.11> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **GLI2 cell-specific activity is controlled at the level of transcription and RNA processing : consequences to cancer metastasis**

Sadam, Helle; Liivas, Urmas; Kazantseva, Anna; Pruunsild, Priit; Kazantseva, Jekaterina; Timmus, Tõnis; Neuman, Toomas; Palm, Kaia Biochimica et Biophysica Acta - Molecular Basis of Disease 2016 / p. 46 - 55 <https://doi.org/10.1016/j.bbadi.2015.10.008> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **Haruldane haigus võib anda viiteid skisofreenia raviks : [TTÜ professori Tõnis Timmuski ning kahe teaduri, Mari Sepa ja Priit Pruunsilla artikli põhjal]**

Aru, Erik; Timmus, Tõnis; Sepp, Mari; Pruunsild, Priit Mente et Manu 2012 / lk. 2 [https://www.est.ee/record=b1242496\\*est](https://www.est.ee/record=b1242496*est)

## **Identification of cis-elements and transcription factors regulating neuronal activity-dependent transcription of human BDNF gene**

Pruunsild, Priit; Sepp, Mari; Orav, Ester; Koppel, Indrek; Timmus, Tõnis The journal of neuroscience 2011 / p. 3295-3308 : ill <https://pubmed.ncbi.nlm.nih.gov/21368041/>

## **Inimaju asümmeetriast, käelisusest ja skisofreeniast**

Koppel, Indrek; Pruunsild, Priit; Timmus, Tõnis Tallinna Tehnikaülikooli aastaraamat 2007 2008 / lk. 109-112

## **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; Timmus, Tõnis Journal of neuroscience 2017 / p. 10516-10527 : ill <https://doi.org/10.1523/JNEUROSCI.1151-17.2017> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **Long-lasting behavioural and molecular alterations induced by early postnatal fluoxetine exposure are restored by chronic fluoxetine treatment in adult mice**

Karpova, Nina N.; Lindholm, Jesse; Pruunsild, Priit; Timmus, Tõnis; Castren, Eero European neuropsychopharmacology 2009 / p. 97-108 : ill <https://pubmed.ncbi.nlm.nih.gov/18973993/>

## **LRRTM1 on chromosome 2p12 is a maternally suppressed gene that is associated paternally with handedness and schizophrenia**

Francks, C.; Maegawa, S.; Timmus, Tõnis; Pruunsild, Priit; Koppel, Indrek Molecular psychiatry 2007 / p. 1129-1139 [https://www.researchgate.net/publication/6171287\\_LRRTM1\\_on\\_chromosome\\_2p12\\_is\\_a\\_maternally\\_suppressed\\_gene\\_that\\_is\\_associated\\_paternally\\_with\\_handedness\\_and\\_schizophrenia](https://www.researchgate.net/publication/6171287_LRRTM1_on_chromosome_2p12_is_a_maternally_suppressed_gene_that_is_associated_paternally_with_handedness_and_schizophrenia)

## **Neuronal activity-dependent transcription factors and regulation of human BDNF gene = Närvitalitlusest sõltuvad transkriptsioonifaktorid ja inimese BDNF geeni avaldumise regulatsioon**

Pruunsild, Priit 2010 [https://www.est.ee/record=b2653637\\*est](https://www.est.ee/record=b2653637*est)

## **Neuronal K<sup>+</sup>/Cl<sup>-</sup> co-transporter (KCC2) transgenes lacking neurone restrictive silencer element recapitulate CNS neurone-specific expression and developmental up-regulation of endogenous KCC2 gene**

Uvarov, Pavel; Pruunsild, Priit; Timmus, Tõnis; Airaksinen, Matti S. Journal of neurochemistry 2005 / 4, p. 1144-1155 <https://pubmed.ncbi.nlm.nih.gov/16271048/>

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West, A. E.; **Pruunsild, Priit; Timmusk, Tõnis** Neurotrophic factors 2014 / p. 67-100 [https://doi.org/10.1007/978-3-642-45106-5\\_4](https://doi.org/10.1007/978-3-642-45106-5_4)

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## **NF- $\kappa$ B-dependent regulation of brain-derived neurotrophic factor in hippocampal neurons by X-linked inhibitor of apoptosis protein**

Kairisalo, Minna; Korhonen, Laura; **Sepp, Mari; Pruunsild, Priit; Kukkonen, Jyrki; Kivinen, Jenni; Timmusk, Tõnis; Blomgren, Klas; Lindholm, Dan** European journal of neuroscience 2009 / 6, p. 958-966 : ill <https://pubmed.ncbi.nlm.nih.gov/19735291/>

## **A novel N-terminal isoform of the neuron-specific K-Cl cotransporter KCC2**

Uvarov, Pavel; Ludwig, Anastasia; Markkanen, Marika; **Pruunsild, Priit; Kaila, Kai; Delpire, Eric; Timmusk, Tõnis; Rivera, Claudio; Airaksinen, Matti S.** Journal of biological chemistry 2007 / 42, p. 30570-30576

## **N-terminally truncated BAF57 isoforms contribute to the diversity of SWI/SNF complexes in neurons**

Kazantseva, Anna; **Sepp, Mari; Kazantseva, Jekaterina; Sadam, Helle; Pruunsild, Priit; Timmusk, Tõnis; Neuman, Toomas; Palm, Kaia** Journal of neurochemistry 2009 / 3, p. 807-818 : ill <https://pubmed.ncbi.nlm.nih.gov/19245665/>

## **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 <https://pubmed.ncbi.nlm.nih.gov/19955386/>

## **Pitt–Hopkins syndrome-associated mutations in TCF4 lead to variable impairment of the transcription factor function ranging from hypomorphic to dominant-negative effects**

**Sepp, Mari; Pruunsild, Priit; Timmusk, Tõnis** Human molecular genetics 2012 / p. 2873-2888  
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## **Regulation of different human NFAT isoforms by neuronal activity**

Vihma, Hanna; Luhakooder, Mirjam; **Pruunsild, Priit; Timmusk, Tõnis** Journal of neurochemistry 2016 / p. 394-408 : ill  
<https://doi.org/10.1111/jnc.13568> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **Regulation of NFAT transcription factors by neuronal activity = NFAT tran[s]kriptsioonitegurite närvitalitlusest sõltuv regulatsioon**

Vihma, Hanna 2018 <https://digi.lib.ttu.ee/l/?9924> [https://www.esther.ee/record=b5050413\\*est](https://www.esther.ee/record=b5050413*est)

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**Pruunsild, Priit; Timmusk, Tõnis** Journal of neurochemistry 2012 / p. 29-43

## **Tissue-specific and neural activity-regulated expression of human BDNF gene in BAC transgenic mice**

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