

### **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; Esvold, Eli-Eelika; Timmus, Tõnis Journal of neuroscience 2016 / p. 1290-1305 : ill <https://doi.org/10.1523/JNEUROSCI.3360-15.2016>

### **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>

### **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.esther.ee/record=b1242496\\*est](https://www.esther.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

### **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>

### **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 = Närvitallusest sõltuvad transkriptsioonifaktorid ja inimese BDNF geeni avaldumise regulatsioon**

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

### **Neurotrofsed tegurid**

Timmus, Tõnis; Koppel, Indrek; Pruunsild, Priit; Sepp, Mari; Tamme, Richard Eesti Arst 2007 / 9, lk. 614-621 <https://eestiarst.ee/neurotrofsed-tegurid/> [https://artiklid.elnet.ee/record=b1059643\\*est](https://artiklid.elnet.ee/record=b1059643*est)

### **Neurotrophins : transcription and translation**

West, A. E.; Pruunsild, Priit; Timmus, Tõnis Neurotrophic factors 2014 / p. 67-100

### **NF-κB-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; Timmus, Tõnis; Blomgren, Klas; Lindholm, Dan European journal of neuroscience 2009 / 6, p. 958-966 : ill

### **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

**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

**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

**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  
<http://dx.doi.org/10.1111/jnc.13568>

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

Vihma, Hanna 2018 <https://digi.lib.ttu.ee/i/79924>

**Structure, alternative splicing, and expression of the human and mouse KCNIP gene family**

**Pruunsild, Priit**; **Timmusk, Tõnis** Genomics 2005 / 5, p. 581-593 <https://pubmed.ncbi.nlm.nih.gov/16112838/>

**Subcellular localization and transcription regulatory potency of KCNIP/Calsenilin/DREAM/KChIP proteins in cultured primary cortical neurons do not provide support for their role in CRE-dependent gene expression**

**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**

Koppel, Indrek; Aid-Pavlidis, Tamara; Jaanson, Kaur; **Sepp, Mari**; **Pruunsild, Priit**; Palm, Kaia; **Timmusk, Tõnis** BMC neuroscience 2009 / p. 68 <https://psycnet.apa.org/record/2009-11273-001>