

### **Ajuteadus tegi suure sammu inimese vaimse võimekuse müsteeriumi lahendamiseks**

Maran, Kaur; Sepp, Mari ekspress.delfi.ee 2023 [Ajuteadus tegi suure sammu inimese vaimse võimekuse müsteeriumi lahendamiseks](#)

### **Association of bovine papillomavirus E2 protein with nuclear structures in vivo**

Kurg, Reet; Sild, Kristiina; Ilves, Aigi; **Sepp, Mari**; Ustav, Mart Journal of virology 2005 / 16, p. 10528-10539

### **BAC transgenic mice reveal distal cis-regulatory elements governing BDNF gene expression**

Koppel, Indrek; Aid-Pavlidis, Tamara; Jaanson, Kaur; **Sepp, Mari**; Palm, Kaia; Timmusk, Tõnis Genesis 2010 / 4, p. 214-219  
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2978326/>

### **BAC-based cellular model for screening regulators of BDNF gene transcription**

Jaanson, Kaur; **Sepp, Mari**; Aid-Pavlidis, Tamara; Timmusk, Tõnis BMC neuroscience 2014 / p. 1-12 : ill  
<https://doi.org/10.1186/1471-2202-15-75> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Characterization of the nuclear matrix targeting sequence (NMTS) of the BPV1 E8/E2 protein - the shortest known NMTS**

Sankovski, Eve; Karro, Kristiina; **Sepp, Mari**; Kurg, Reet; Ustav, Mart; Abro, Aare Nucleus 2015 / p. 289-300 : ill  
<https://doi.org/10.1080/19491034.2015.1074359> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Daughterless, the Drosophila orthologue of TCF4, is required for associative learning and maintenance of the synaptic proteome**

Tamberg, Laura; Jaago, Mariliis; Säälk, Kristi; Sirp, Alex; Tuvikene, Jürgen; Šubina, Anastassia; Kiir, Carl Alexander; Nurm, Kaja; **Sepp, Mari**; Timmusk, Tõnis; Palgi, Mari Disease Models & Mechanisms 2020 / art. dmm042747, 15 p. : ill  
<https://doi.org/10.1242/dmm.042747> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Forkhead transcription factor FOXO3a levels are increased in Huntington disease because of overactivated positive autoregulation loop**

Kannike, Kaja; **Sepp, Mari**; Zuccato, Chiara; Cattaneo, Elena; Timmusk, Tõnis Journal of biological chemistry 2014 / p. 32845-32857 : ill <https://doi.org/10.1074/jbc.M114.612424> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **The Fuchs corneal dystrophy-associated CTG repeat expansion in the TCF4 gene affects transcription from its alternative promoters**

Sirp, Alex; Leite, Kristian; Tuvikene, Jürgen; Nurm, Kaja; **Sepp, Mari**; Timmusk, Tõnis Scientific reports 2020 / art. 18424  
<https://doi.org/10.1038/s41598-020-75437-3> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Functional consequences of TCF4 missense substitutions associated with Pitt-Hopkins syndrome, mild intellectual disability, and schizophrenia**

Sirp, Alex; Roots, Kaisa; Nurm, Kaja; Tuvikene, Jürgen; **Sepp, Mari**; Timmusk, Tõnis The journal of biological chemistry 2021 / art. 101381 <https://doi.org/10.1016/j.jbc.2021.101381> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Functional diversity of human basic helix-loop-helix transcription factor TCF4 isoforms generated by alternative 5' exon usage and splicing**

**Sepp, Mari**; Kannike, Kaja; Eesmaa, Ave; Urb, Mari; Timmusk, Tõnis PLoS ONE 2011 / p. e22138 [14 p.] : ill  
<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0022138>

### **Functions of the basic helix-loop-helix transcription factor TCF4 in health and disease = Aluselise heeliks-ling-heeliks transkriptsioonifaktori TCF4 funktsioonid ja seosed haigustega**

**Sepp, Mari** 2012

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

Aru, Erik; Timmusk, Tõnis; **Sepp, Mari**; Pruunsild, Priit Mente et Manu 2012 / lk. 2 [https://www.ester.ee/record=b1242496\\*est](https://www.ester.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; Timmusk, Tõnis The journal of neuroscience 2011 / p. 3295-3308 : ill  
<https://pubmed.ncbi.nlm.nih.gov/21368041/>

### **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> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Introducing Pitt-Hopkins syndrome-associated mutations of TCF4 to Drosophila daughterless**

Tamberg, Laura; **Sepp, Mari**; Timmusk, Tõnis; Palgi, Mari Biology open 2015 / p. 1762-1771 : ill <https://doi.org/10.1242/bio.014696>

**Isoform-specific reduction of the basic helix-Loop-helix transcription factor TCF4 levels in Huntington's disease**

Nurm, Kaja; Sepp, Mari; Castany-Pladevall, Carla; Creus-Muncunill, Jordi; Tuvikene, Jürgen; Sirp, Alex; Vihma, Hanna; Blake, Derek J.; Perez-Navarro, Esther; Timmusk, Tõnis eNeuro 2021 / 53 p. : ill <https://doi.org/10.1523/ENEURO.0197-21.2021> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Neuralized family member NEURL1 is a ubiquitin ligase for the cGMP-specific phosphodiesterase 9A**

Taal, Kati; Tuvikene, Jürgen; Rullinkov, Grete; Piirsoo, Marko; Sepp, Mari; Neuman, Toomas; Tamme, Richard; Timmusk, Tõnis Scientific reports 2019 / art. 7104, 12 p. : ill <https://doi.org/10.1038/s41598-019-43069-x> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Neuralized-2: expression in human and rodents and interaction with Delta-like ligands**

Rullinkov, Grete; Tamme, Richard; Sarapuu, Anzelika; Lauren, Juha; Sepp, Mari; Palm, Kaia; Timmusk, Tõnis Biochemical and biophysical research communications 2009 / 3, p. 420-425 : ill <https://www.sciencedirect.com/science/article/pii/S0006291X09017434>

**Neurobioloog Mari Sepp asutab rahvusvahelise grandi toel teadusrühma väikeaju uurimiseks**

Filippov, Madis med24.ee 2025 [Neurobioloog Mari Sepp asutab rahvusvahelise grandi toel teadusrühma väikeaju uurimiseks](#)

**Neurotroofsed tegurid**

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

**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; Timmusk, Tõnis; Blomgren, Klas; Lindholm, Dan European journal of neuroscience 2009 / 6, p. 958-966 : ill <https://pubmed.ncbi.nlm.nih.gov/19735291/>

**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/>

**Nucleolar enrichment of brain proteins with critical roles in human neurodevelopment**

Slomnicki, Lukasz P.; Malinowska, Agata; Sepp, Mari; Timmusk, Tõnis Molecular & cellular proteomics 2016 / p. 2055-2075 <https://doi.org/10.1074/mcp.M115.051920> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Partial deletion of TCF4 in three generation family with nonsyndromic intellectual disability, without features of Pitt-Hopkins syndrome**

Kharbanda, Mira; Kannike, Kaja; Lampe, Anne; Berg, Jonathan; Timmusk, Tõnis; Sepp, Mari European journal of medical genetics 2016 / p. 310-314 : ill <https://doi.org/10.1016/j.ejmg.2016.04.003> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**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 <https://pubmed.ncbi.nlm.nih.gov/22460224/>

**The regulatory landscape of cells in the developing mouse cerebellum [Online resource]**

Sarropoulos, Ioannis; Sepp, Mari; Frömel, Robert; Leiss, Kevin; Trost, Nils bioRxiv 2021 / 55 p. : ill <https://doi.org/10.1101/2021.01.29.428632>

**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>

**Transcription factors FOXO3 and TCF4 in Huntington's disease = Transkriptisoonifaktorid FOXO3 ja TCF4 Huntingtoni tõves**

Nurm, Kaja 2021 [https://www.ester.ee/record=b5469637\\*est](https://www.ester.ee/record=b5469637*est) <https://digikogu.taltech.ee/et/Item/07ffb222-9e0b-46ba-ace9-81f821b153a6> <https://doi.org/10.23658/taltech.55/2021>

**Väikeaju minevik aitab mõista inimese eripära ja kiirendada ravimiarendust**

Oidermaa, Jaan-Juhan novaator.err.ee 2025 <https://novaator.err.ee/1609798728/vaikeaju-minevik-aitab-moista-inimese-eripara-ja-kiirendada-ravimiarendust>