

### **AAV-mediated targeting of gene expression to the peri-infarct region in rat cortical stroke model**

Mätlik, Kert; Abo-Ramadan, Usama; Harvey, Brandon K.; **Arumäe, Urmas**; Airavaara, Mikko Journal of neuroscience methods 2014 / p. 107-113 : ill <https://doi.org/10.1016/j.jneumeth.2014.08.014> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Antioxidative CXXC peptide motif from mesencephalic astrocyte-derived neurotrophic factor antagonizes programmed cell death**

**Božok, Valentina**; Yu, Li-Ying; **Palgi, Jaan**; **Arumäe, Urmas** Frontiers in cell and developmental biology 2018 / 15 p. : ill <https://doi.org/10.3389/fcell.2018.00106> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **CXXC peptide motif from mesencephalic astrocyte-derived neurotrophic factor (MANF) antagonizes apoptotic and necroptotic death and has anti-oxidant activity**

**Bozok, V.**; **Palgi, Jaan**; **Arumäe, Urmas** Neurodegenerative diseases 2015 / p. 1829 <http://dx.doi.org/10.1159/000381736>

### **Eesti raamatupidamiseseadus rahvusvahelises kontekstis**

Alver, Jaan; Alver, Lehte; **Arumäe, Urmas**; Reinberg, Lauri Arvestuse ja maksunduse aktuaalsed probleemid : konverents 1997 / lk. 10-13 [https://www.ester.ee/record=b1293554\\*est](https://www.ester.ee/record=b1293554*est)

### **Expression of GFRA-1, GFRA-2, and c-Ret mRNAs in rat adrenal gland**

Schober, A.; **Arumäe, Urmas**; **Saarma, Mart**; Unsicker, K. Journal of neurocytology 2000 / p. 209-213

### **Expression of the naturally occurring truncated trkB neurotrophin receptor induces outgrowth of filopodia and processes in neuroblastoma cells**

Haapasalo, A.; Saarelainen, T.; Moshnyakov, M.; **Arumäe, Urmas**; Kiema, T.-R.; **Saarma, Mart**; Wong, G.; Castren, Eero Oncogene 1999 / p. 1285-1296 <https://www.nature.com/articles/1202401>

### **Functional characterization of two splice variants of rat Bad and their interaction with Bcl-w in sympathetic neurons**

Hamner, S.; **Arumäe, Urmas**; Li-Ying, Y.; Sun, Yun-Fu; **Saarma, Mart**; Lindholm, Dan Molecular and cellular neurosciences 2001 / p. 97-106 <https://pubmed.ncbi.nlm.nih.gov/11161472/>

### **GDNF family : new promising growth factors**

**Saarma, Mart**; **Arumäe, Urmas** Neuroscience news 1999 / p. 26-34

### **GDNF triggers a novel Ret-independent Src-kinase family-coupled signaling via a GPI-linked GDNF receptor a[alfa]1**

Poteriaev, D.; Titievsky, A.D.; Sun, Yun-Fu; Thomas-Crusells, J.; Lindahl, Maria; Billaud, M.; **Arumäe, Urmas**; **Saarma, Mart** FEBS letters 1999 / p. 63-66

### **GDNF-deprived sympathetic neurons die via a novel nonmitochondrial pathway**

Yu, Li-Ying; Jokitalo, E.; Sun, Yun-Fu; Mehlen, P.; Lindholm, Dan; **Saarma, Mart**; **Arumäe, Urmas** Journal of cell biology 2003 / 5, p. 987-997 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2173604/>

### **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.; Kriegstein, K.; **Saarma, Mart**; Unsicker, K. Journal of neuroscience 1999 / p. 2008-2015 <https://www.jneurosci.org/content/19/6/2008.abstract>

### **Harju maakonna arengustrateegia 2025**

Lootsmann, Väner; **Arumäe, Urmas**; **Lõhmus, Mikk** 2008 [https://www.ester.ee/record=b2496869\\*est](https://www.ester.ee/record=b2496869*est)

### **Human glial cell line-derived neurotrophic factor receptor alpha4 is the receptor for persephin, and is predominantly expressed in normal and malignant thyroid medullary cells**

Lindahl, Maria; Poteryaev, Dimitry; Yu, Liying; **Arumäe, Urmas**; Timmusk, Tõnis; Bongarzone, Italia; Aiello, Antonella; Pierotti, Marco A.; Airaksinen, Matti S.; **Saarma, Mart** Journal of biological chemistry 2001 / 12, p. 9344-9351 : ill <https://doi.org/10.1074/jbc.M008279200>

### **Identification of the receptors for GDNF**

**Saarma, Mart**; Titievsky, A.; **Arumäe, Urmas**; Airaksinen, Matti S. Princess Lilian Symposium "Kidney Development has Clinical Impacts", Brussels, October 26-27, 1998 1998 / p. 9

### **Intrastrially infused exogenous CDNF is endocytosed and retrogradely transported to substantia nigra**

Mätlik, Kert; Vihinen, Helena; Bienemann, Ali; **Palgi, Jaan**; **Arumäe, Urmas** eNeuro 2017 / art. e0128-16.2017, p. 1-15 : ill <https://doi.org/10.1523/ENEURO.0128-16.2017> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Introduction**

**Saarma, Mart**; **Arumäe, Urmas** Cellular and molecular life sciences 2001 / p. 1001-1002

**Microarray analysis reveals increased transcriptional repression and reduced metabolic activity but not major changes in the core apoptotic machinery during maturation of sympathetic neurons**

Raba, Mikk; Palgi, Jaan; Lehtivaara, Maria; Arumäe, Urmas Frontiers in cellular neuroscience 2016 / art. 66, p. 1-13 : ill  
<https://doi.org/10.3389/fncel.2016.00066> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Multiple mechanisms repress N-Bak mRNA translation in the healthy and apoptotic neurons**

Jakobson, Madis; Jakobson, Maili; Llano, Olaya; Palgi, Jaan; Arumäe, Urmas Cell Death and Disease 2013 / art. e777  
<https://doi.org/10.1038/cddis.2013.297> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Mutational analysis of N-Bak reveals different structural requirements for antiapoptotic activity in neurons and proapoptotic activity in nonneuronal cells**

Sun, Yun-Fu; Yu, Li-Ying; Saarma, Mart; Arumäe, Urmas Molecular and cellular neuroscience 2003 / 1, p. 134-143 : ill  
<https://www.sciencedirect.com/science/article/pii/S1044747310300023X>

**Neuron-specific Bcl-2 homology 3 domain-only splice variant of Bak is anti-apoptotic in neurons, but pro-apoptotic in non-neuronal cells**

Sun, Yun-Fu; Yu, Li-Ying; Saarma, Mart; Timmusk, Tõnis; Arumäe, Urmas Journal of biological chemistry 2001 / 19, p. 16240-16247 : ill  
<https://pubmed.ncbi.nlm.nih.gov/11278671/>

**Neurotrofiset kasvutekijät hermoston kehituksessä ja muovautumises**

Airaksinen, Matti S.; Arumäe, Urmas; Rauvala, H.; Saarma, Mart Duodecim 1999 / p. 595-605

**Neurotroofilised faktorid - võti neuronite elu ja surma ning mälu ja mõtlemise mõistmiseks**

Saarma, Mart; Arumäe, Urmas Eesti aastaraamat 2006-2007 2006 / lk. 381-398 : ill., portr

**Neurotrophic factors - a key to understanding neuronal life and death - and memory and thinking : what are the neurotrophic factors and how do they regulate neurons?**

Saarma, Mart; Arumäe, Urmas Estonia : member state of NATO and the EU : international business handbook 2007-2008 2007 / p. 191-207 : ill., portr [https://www.ester.ee/record=b2288232\\*est](https://www.ester.ee/record=b2288232*est)

**Neurturin is a neurotrophic factor for penile parasympathetic neurons in adult rat**

Laurikainen, A.; Hiltunen, J.O.; Thomas-Crusells, J.; Vanhatalo, S.; Arumäe, Urmas; Airaksinen, Matti S.; Klinge, E.; Saarma, Mart Journal of neurobiology 2000 / p. 198-205 <https://pubmed.ncbi.nlm.nih.gov/10770848/>

**New family of neurotrophic factors with great therapeutic potential**

Saarma, Mart; Arumäe, Urmas Estonia : member state of NATO and the EU : international business handbook 2011-2012 2011 / p. 192-207 : ill

**P75 neurotrophin receptor signaling activates sterol regulatory element-binding protein-2 in hepatocyte cells via p38 mitogen-activated protein kinase and caspase-3**

Pham, Dan Duc; Do, Hai Thi; Bruelle, Céline; Kukkonen, Jyrki P.; Eriksson, Ove; Mogollón, Isabel; Korhonen, Laura T.; Arumäe, Urmas; Lindholm, Dan Journal of Biological Chemistry 2016 / p. 10747 - 10758 <https://doi.org/10.1074/jbc.M116.722272> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Paljulubav Parkinsoni tõve ravim on katsetamisjärgus [Võrguväljaanne]**

Arumäe, Urmas novaator.err.ee 2019 / fot <https://www.paljulubav.ee/>

**Poststroke delivery of MANF promotes functional recovery in rats**

Mätlik, Kert; Anttila, Jenni E.; Kuan-Yin, Kuan-Yin; Arumäe, Urmas Science advances 2018 / art. eaap8957 ; 8 p. : ill  
<https://doi.org/10.1126/sciadv.aap8957> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Retarded growth and deficits in the enteric and parasympathetic nervous system in mice lacking GFRa2, a functional neurturin receptor**

Rossi, J.; Luukko, K.; Poterbaev, D.; Laurikainen, A.; Sun, Yun-Fu; Laakso, T.; Eerikäinen, S.; Tuominen, R.; Lakso, M.; Rauvala, H.; Arumäe, Urmas; Pasternack, M.; Saarma, Mart Neuron 1999 / p. 243-252 <https://pubmed.ncbi.nlm.nih.gov/10069331/>

**Role of two sequence motifs of mesencephalic astrocyte-derived neurotrophic factor in its survival-promoting activity**

Mätlik, Kert; Yu, Li-Ying; Eesmaa, Ave; Arumäe, Urmas Cell death & disease 2015 / art. e2032, p. 1-8 : ill  
<https://doi.org/10.1038/cddis.2015.371> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Therapeutic potential of the endoplasmic reticulum located and secreted CDFN/MANF family of neurotrophic factors in Parkinson's disease**

Voutilainen, Merja H.; Arumäe, Urmas; Airavaara, Mikko; Saarma, Mart FEBS letters 2015 / p. 3739-3748 : ill  
<https://doi.org/10.1016/j.febslet.2015.09.031> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

