

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

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 α [alfa]1

Poteryaev, 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

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/S104474310300023X>

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 muovautumisessa

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

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 [Paljulubav Parkinsoni tõve ravim on katsetamisjärgus](#)

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.; Poteriaev, 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 CDNF/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](#)

Uued neurotroofilised faktorid MANF ja CDF ning nende uudne toimemehhanism
Arumäe, Urmas Tallinna Tehnikaülikooli aastaraamat 2013 2014 / lk. 257-263 : ill