

A novel function for a ubiquitous plant enzyme pectin methylesterase : the host-cell receptor for the tobacco mosaic virus movement

Dorokhov, Yu.L.; Mäkinen, K.; Frolova, O.Yu.; **Merits, Andres**; Saarinen, J.; Kalkkinen, Nisse; Atabekov, J.G.; **Saarma, Mart** FEBS letters 1999 / p. 223-228

A novel human gene, DAD-R, maps to 12p12 and is expressed in several organs

Kuittinen, T.; Eggert, A.; Lindholm, Päivi; Horelli-Kuitunen, Nina; Palotie, A.; Maris, J.M.; **Saarma, Mart** FEBS letters 2000 / p. 233-236

A novel method for monitoring surface membrane trafficking on hippocampal acute slice preparation

Thomas-Crusells, J.; Vieira, A.; **Saarma, Mart**; Rivera, Claudio Journal of neuroscience methods 2003 / 1/2, p. 159-166
<https://www.sciencedirect.com/science/article/pii/S0165027003000505>

Ajud - 21. sajandi Eesti tähtsaim loodusvara : ettekanne visioonikonverentsil 2006 "Sünergiline Tallinn"

Saarma, Mart Hea linn : Tallinna visioonikonverentsid 2013 / lk. 125-131

Ajud - Eesti XXI sajandi tähtsaim loodusvara

Saarma, Mart Pealinn 2006 / 29. nov., lk. 2 <https://pealinn.ee/2006/11/29/ajud-eesti-xi-sajandi-tahtsaim-loodusvara/>

Ajud - XXI sajandi Eesti tähtsaim loodusvara

Saarma, Mart Sünergiline Tallinn : Tallinna visioonikonverents : 23. novembril 2006 Eesti Draamateatris 2007 / lk. 11-16
https://artiklid.elnet.ee/record=b2610542*est

Alusuuringud on Eesti riigile hädavajalikud : teadlaste märgukiri

Allik, Jüri; Engelbrecht, Jüri; **Saarma, Mart**; Timmusk, Tõnis Eesti Päevaleht 2004 / lk. 3

Arvamusi akadeemikutelt ["kuumade teemade" kohta oma erialal]

Küttner, Rein; Lille, Ülo; **Saarma, Mart**; Tamm, Boris, inform.; Ubar, Raimund-Johannes; Veiderma, Mihkel; Engelbrecht, Jüri Eesti Teaduste Akadeemia aastaraamat 1998 1999 / lk. 148-171

Arvamusliidrite lõuna: Euroopa Liidus - kuidas edasi? : [Postimehe ja Radisson SAS hotelli korraldatud lõunal arutlesid poolteistsada Eesti arvamusliidrit, kuidas peaks Eesti edasi liikuma, eestkõnelejad olid Lennart Meri ja Mart Saarma]

Pullerits, Priit; Meri, Lennart; **Saarma, Mart** Postimees 2003 / 3. okt., lk. 4-5 : fot <https://www.postimees.ee/1376235/arvamusliidrite-louna-euroopa-liidus-kuidas-edasi>

Avalik kiri Eesti elektrist : [Eesti elektrijaamade erastamisest NRG-le : Eesti Teaduste Akadeemia 36 akadeemiku pöördumine]

Aarna, Olav; Lille, Ülo; **Saarma, Mart**; **Saarma, Mart**; Tamm, Boris, inform.; Ubar, Raimund-Johannes; Ernits, Peeter; **Veiderma, Mihkel** Postimees 2001 / lk. 24 https://www.ester.ee/record=b1072778*est https://artiklid.elnet.ee/record=b2295176*est

BDNF-induced TrkB activation down-regulates the K⁺-Cl⁻ cotransporter KCC2 and impairs neuronal Cl⁻ extrusion

Rivera, Claudio; **Saarma, Mart** Journal of cell biology 2002 / 5, p. 747-752 <https://portal.research.lu.se/en/publications/bdnf-induced-trkb-activation-down-regulates-the-k-cl-cotransporte>

Biochemical and genetic evidence for interactions between potato A potyvirus-encoded proteins P1 and P3 and proteins of the putative replication complex

Merits, Andres; Guo, D.; Järvekülg, Lilian; **Saarma, Mart** Virology 1999 / p. 15-22

Biology and signalling of GDNF

Saarma, Mart Finnish Endocrinology Society Meeting : Helsinki, 1999 1999

Biomolecules, genes and medicine

Saarma, Mart 4th Baltic Conference of Haematology : 13-15 May 2004, Tallinn, Estonia : [final programme and abstracts] 2004 / p. 8-9

Biotehnoloogilisi lähenemisi neurodegeneratiivsete haiguste raviks

Saarma, Mart Eesti Arst 2010 / 9, lk. 536-544 : ill https://artiklid.elnet.ee/record=b2161127*est

Characterisation of VPg and the polyprotein processing of Cocksfoot mottle virus (genus Sobemovirus)

Mäkinen, K.; Mäkeläinen, K.; Arshava, N.; **Tamm, Tiina**; **Merits, Andres**; Truve, Erkki; Zavriev, S.; **Saarma, Mart** Journal of general virology 2000 / p. 2783-2789

Characterization of symmetric complexes of nerve growth factor and the ectodomain of the pan-neurotrophin receptor, p75NTR

Aurikko, J.P.; Ruotolo, B.T.; Grossmann, J.G.; Moncrieffe, M.C.; Stephens, E.; Leppänen, V.M.; Robinson, C.V.; **Saarma, Mart**;

Bradshaw, R.A.; Blundell, T.L. Journal of biological chemistry 2005 / 39, p. 33453-33460 <https://pubmed.ncbi.nlm.nih.gov/16009712/>

Cocksfoot mottle virus : the genome organisation and translational strategies

Tamm, Tiina 2000 http://www.ester.ee/record=b1060777*est

Complementation of the movement-deficient mutations in potato virus X : potyvirus coat protein mediates cell-to-cell trafficking of C-terminal truncation but not deletion mutant of potexvirus coat protein

Fedorkin, N.O.; Merits, Andres; Lucchesi, Jimmy; Solovyev, A.G.; Saarma, Mart; Morozov, S.Y.; Mäkinen, K. Virology 2000 / p. 31-42

Development and persistence of kindling epilepsy are impaired in mice lacking GDNF family receptor $\alpha 2$

Nanobasvili, A.; Saarma, Mart Proceedings of the National Academy of Sciences of USA 2000 / p. 12312-12317

Development of adrenal chromaffin cells is largely normal in mice lacking the receptor tyrosine kinase c-Ret

Allmendinger, A.; Stoeckel, E.; Saarma, Mart; Unsicker, K.; Huber, K. Mechanisms of development 2003 / 3, p. 299-304
<https://www.sciencedirect.com/science/article/pii/S0925477302004550>

Developmental up-regulation of KCC2 in the absence of GABAergic and glutamatergic transmission

Ludwig, Anastasia; Li, Hong; Saarma, Mart; Kaila, Kai; Rivera, Claudio The European journal of neuroscience 2003 / 12, p. 3199-3206 : ill <https://pubmed.ncbi.nlm.nih.gov/14686894/>

Different propagation levels of potato virus X (PVX) isolates in PVX coat protein expressing tobacco plants and protoplasts do not correlate with coat protein sequence similarities

Truve, Erkki; Järvekülg, Lilian; Bouscaren, Marie-Lise; Aaspõllu, Anu; Priimägi, Andres; Saarma, Mart Arch. phytopath. pflanz 1995 / 30, p. 15-30: ill

Distinct roles for GFR α 1 and GFR α 2 signalling in different cranial parasympathetic ganglia in vivo

Rossi, J.; Tomac, A.; Saarma, Mart; Airaksinen, Matti S. European journal of neuroscience 2000 / p. 3944-3952

Distribution of GABA receptor subunit transcripts in the rat brain

Wegelius, K.; Pasternack, M.; Hiltunen, J.O.; Rivera, Claudio; Kaila, Kai; Saarma, Mart; Reeben, M. European journal of neuroscience 1998 / p. 350-357

Eesti ainus võimalus on teadusel põhinev tööstus

Saarma, Mart Mente et Manu 2024 / lk. 21-23 : fot https://www.ester.ee/record=b1242496*est

Eestlase avastus võimaldab meelele enneolematut rolli : [Mart Saarma oma avastusest]

Poll, Ene; Saarma, Mart Eesti Päevaleht 2001 / lk. 7 <https://epl.delfi.ee/artikkel/50810253/eestlase-avastus-voimaldab-meestele-enneolematut-rolli>

Elu ja surm närvisüsteemis

Saarma, Mart Rahvusvaheline konverents Inimteadvus ja käitumine muutivas maailmas : 14.-15. oktoober 2004 : Rahvusraamatukogu Konverentsikeskus, Tallinn, Eesti 2004 / lk. 103-104

Elu ja surm närvisüsteemis : [ettekanne Eesti Teaduste Akadeemia üldkogu aastakoosolekul 21. aprillil 2004]

Saarma, Mart Eesti Teaduste Akadeemia aastaraamat 2004 2005 / lk. 60-68 : ill

Exploring the conserved role of MANF in the unfolded protein response in Drosophila melanogaster

Lindström, Riitta; Lindholm, Päivi; Kallijärvi, Jukka; Palgi, Mari; Saarma, Mart; Heino, Tapio I. PLoS ONE 2016 / art. e0151550, p. 1-18 : ill <https://doi.org/10.1371/journal.pone.0151550> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Expression and alternative splicing of mouse Gfra4 suggests roles in endocrine cell development

Lindahl, Maria; Timmusk, Tõnis; Rossi, J.; Saarma, Mart; Airaksinen, Matti S. Molecular and cellular neuroscience 2000 / p. 522-533

Expression and sequence homology of GDNF family receptors suggest roles in cell-cell interactions

Airaksinen, Matti S.; Suvanto, P.; Moshnyakov, M.; Saarma, Mart The Third International Meeting : Hirschsprung Disease and Related Neurochristopathies, Evian, February 5-8, 1998 1998 / p. 7

Expression of GFR α -1, GFR α -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

Hammer, 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/>

GABA receptor p subunit expression in the developing rat brain

Alakuijala, Anniina; Palgi, Mari; Wegelius, Katri; Schmidt, Matthias; Enz, Ralf; Paulin, Lars; **Saarma, Mart**; Pasternack, Michael Brain research : developmental brain research 2005 / p. 15-23 <https://doi.org/10.1016/j.devbrainres.2004.09.010>

GNDF - a stranger in the TGF-beta superfamily

Saarma, Mart European journal of biochemistry 2000 / p. 6968-6971 <https://pubmed.ncbi.nlm.nih.gov/11106404/>

GNDF and its receptor in the regulation of ureteric branching

Sariola, H.; **Saarma, Mart** International journal of developmental biology 1999 / p. 413-418

GNDF family : new promising growth factors

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

GNDF family ligands activate multiple events during axonal growth in mature sensory neurons

Paveliev, Mikhail; Airaksinen, Matti S.; **Saarma, Mart** Molecular and cellular neuroscience 2004 / 3, p. 453-459 <https://www.sciencedirect.com/science/article/pii/S1044743103003646>

GNDF family ligands and receptors are differentially regulated after brain insults in the rat

Kokaia, Zaal; Airaksinen, Matti S.; Nanobashvili, A.; Larsson, E.; Kujamäki, E.; Lindvall, O.; **Saarma, Mart** European journal of neuroscience 1999 / p. 1202-1216

GNDF family neurotrophic factor signalling : four masters, one servant?

Airaksinen, Matti S.; Titievsky, A.; **Saarma, Mart** Molecular and cellular neurosciences 1999 / p. 313-325

GNDF family receptors in the embryonic and postnatal rat heart and reduced cholinergic innervation in mice hearts lacking Ret or GFRa2

Hiltunen, J.O.; Laurikainen, A.; Airaksinen, Matti S.; **Saarma, Mart** Developmental dynamics 2000 / p. 28-39 <https://pubmed.ncbi.nlm.nih.gov/10974669/>

GNDF promotes tubulogenesis of GFRalphal-expressing MDCK cells by Src-mediated phosphorylation of Met receptor tyrosine kinase

Popsujeva, A.; **Saarma, Mart** Journal of cell biology 2003 / 1, p. 119-129 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2172872/>

GNDF receptors as a drug target for neural repair

Bespalov, Maxim M.; Hetenyi, C.; **Karelson, Mati**; **Saarma, Mart** Cell transplantation 2007 / 3, p. 313-314 https://www.researchgate.net/publication/295730047_GDNF_receptors_as_a_drug_target_for_neural_repair

GNDF recruits the signaling crew into lipid rafts

Saarma, Mart Trends in neurosciences 2001 / p. 427-429 https://artiklid.elnet.ee/record=b2321092*est

GNDF signalling

Saarma, Mart Annual Endocrinology Society Meeting : Paris, 1999 1999

GNDF 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

GNDF-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/>

Geenid katavad meie toidulaua : inimene tahab juhtida looduslikku valikut : [vestlus Mart Saarmaga]

Saarma, Mart; Kändler, Tiit Eesti Päevaleht 1997 / 26. okt.: portr

Geenit ja geeniteknika - Suomen teolisuuden tulevat veturit

Saarma, Mart Helsinki info 2000 / 3, s. 27

Geenitehnoloogia TTÜ-s ja maailmateaduses : [ettekanne konverentsi "Tal[il]inna Tehnikaülikooli teadus" plenaaristungil]

Saarma, Mart Tallinna Tehnikaülikooli kaheksakümnes aastapäev 2000 / lk. 31-32

Geenitehnoloogia TTÜ-s ja maailmateaduses : [ettekanne konverentsil "Tallinna Tehnikaülikooli teadus", 18. sept. 1998]
Saarma, Mart Tallinna Tehnikaülikooli aastaraamat 1998 1999 / lk. 30-35

Geenitehnoloogiline tootmine muutub tööstuse veduriks : [mõtteid avaldavad ka Raivo Vilu, Mart Saarma jt.]

Alvela, Ain; **Vilu, Raivo; Saarma, Mart** Äripäev 2007 / 29. aug., Tööstus, lk. 28-33 : ill
<https://www.aripaev.ee/uudised/2007/08/28/geenitehnoloogiline-tootmine-muutub-toostuse-veduriks>

Geenivaramu pakub põnevust ka teisel pool lahte. Esimene Eesti teaduspäev Soomes [28. aprillil : Mart Saarma jt. esinejate kommentaaridega]

Kändler, Tiit; **Saarma, Mart** Eesti Päevaleht 2001 / 7. mai, lk. 7 : fot

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>

Glial cell line-derived neurotrophic factor is expressed in penis of adult rat and retrogradely transported in penile parasympathetic and sensory nerves

Laurikainen, A.; Hiltunen, J.O.; Vanhatalo, S.; Klinge, E.; **Saarma, Mart** Cell and tissue research 2000 / p. 321-329
<https://pubmed.ncbi.nlm.nih.gov/11151444/>

GMO-kultuurid kui täppissordiaretus

Saarma, Mart Äripäev 2007 / 29. aug., Tööstus, lk. 34

Guinea pig auditory neurons are protected by glial cell line-derived growth factor from degeneration after noise trauma

Ylikoski, Jukka; Pirvola, K.; Virkkala, J.; Suvanto, P.; Liang, X.-Q.; Magal, E.; Altschuler, R.; Miller, J.M.; **Saarma, Mart** Hearing research 1998 / p. 17-26 <https://www.sciencedirect.com/science/article/abs/pii/S0378595598000951>

Horisont 50 : [2 küsimust püsiautoritele]

Tõugu, Enn; Einasto, Jaan; Allik, Jüri; Viikmaa, Mart; **Keevallik, Sirje**; Saarma, Mart; Lang, Valter Horisont 2016 / lk. 14-19 : ill
https://artiklid.elnet.ee/record=b2755839*est

Host species-dependent and virus strain-dependent long-distance movement of potato A potyvirus

Andrejeva, Jelena; Merits, Andres; Puurand, Ülo; Järvekülg, Lilian; **Saarma, Mart**; Valkonen, J.P.T. ICPP98 : 7th International Congress of Plant Pathology, Edinburgh, Scotland, 9-16 August 1998. Vol. 2, Offered papers, abstracts 1998 / paper 1.11.29 (1 p.)

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, Dmitry; 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 cocksfoot mottle sobemovirus (CfMV) individual gene products

Truve, Erkki; Tamm, T.; Mäkinen, K.; **Saarma, Mart** American Society for Virology, 17th annual meeting, University of British Columbia, Vancouver, British Columbia, Canada, July 11-15, 1998 : scientific program and abstracts 1998 / p. 70

Identification of cocksfoot mottle virus individual gene products

Tamm, T.; Mäkinen, K.; **Saarma, Mart**; **Truve, Erkki** 5th International Symposium on Positive Strand RNA Viruses, St. Petersburg, 1998 : abstracts 1998 / FL p. 64

Identification of the genome-linked protein in virions of Potato virus A, with comparison to other members in genus Potyvirus

Oruetebarria, I.; Guo, D.; **Merits, Andres**; Mäkinen, K.; **Saarma, Mart**; Valkonen, J.P. Virus research 2001 / p. 103-112
<https://www.sciencedirect.com/science/article/abs/pii/S0168170200002161>

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

Increased extracellular dopamine concentrations and FosB/DeltaFosB expression in striatal brain areas of heterozygous GDNF knockout mice

Airavaara, Mikko; Planken, Anu; Gäddnäs, Helena; Piepponen, Timo Petteri; **Saarma, Mart**; Ahtee, Liisa European journal of neuroscience 2004 / 9, p. 2336-2344 : ill <https://pubmed.ncbi.nlm.nih.gov/15525275/>

Introduction

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

Kartuli viirushaigustest Eestis

Järvekülg, Lilian; Andrejeva, Jelena; Raudsepp, Raul; Saarma, Mart Kartuli tootmine, töötlemine ja tarbimine Eesti Vabariigis 1995 / lk. 99-102

Kuratoorium ühendab ühiskonda ja ülikooli : [sõna võtavad kuratooriumi välisliikmed]

Saarma, Mart; Heinsoo, Anneli; Hääl, Heiti; Kitt, Robert Mente et Manu 2015 / lk. 5-8 : fot https://artiklid.elnet.ee/record=b2714597*est

Lippmaa: Eesti erafirma loob Vene biorelvad : [Priit Kogermani, Mart Saarma ja Erkki Truve kommentaaridega]

Kärmas, Mihkel; **Kogerman, Priit; Saarma, Mart; Truve, Erkki; Lippmaa, Endel** Eesti Ekspress 2004 / lk. A16-A17 : fot <https://ekspress.delfi.ee/artikkel/69005651/lippmaa-eesti-erafirma-loob-vene-biorelva>

MANF is widely expressed in mammalian tissues and differently regulated after ischemic and epileptic insults in rodent brain

Lindholm, Päivi; Peränen, Johan; Andressoo, Jaan-Olle; Kalkkinen, Nisse; Kokaia, Zaal; Lindvall, Olle; **Timmusk, Tõnis; Saarma, Mart** Molecular and cellular neuroscience 2008 / p. 356-371 : ill <https://pubmed.ncbi.nlm.nih.gov/18718866/>

Mart Saarma - Nobeli-väärne sarmikas kesktormaja : [vestlus teadlasega]

Saarma, Mart; Murutar, Kati Kodutohter 2003 / 8, lk. 14-18 : fot https://artiklid.elnet.ee/record=b2037079*est

Mart Saarma : oleme alles pika-pika tee alguses

Saarma, Mart; Kressa, Kaarel Eesti Päevaleht 2009 / 3. okt., Laupäev, lk. 11-13 : fot <https://epl.delfi.ee/artikkel/51179225/mart-saarma-oleme-alles-pika-pika-matka-alguses>

Mart Saarma avab uue tee viljatuse raviks : Eesti ja Soome teadlaste avastus võib tulevikus aidata luua meestele nii antibeebipillid kui viljatuserohud : [Mart Saarma jt. kommentaaridega]

Lõhmus, Alo; **Saarma, Mart** Postimees 2001 / 25. okt., lk. 1 : portr <https://www.postimees.ee/1899551/mart-saarma-avab-uu-tee-viljatuse-raviks>

Mart Saarma otsib põhjust: Miks inimene mõtleb? : [intervjuu teadlasega]

Saarma, Mart; Soonvald, Urmo SL Õhtuleht 2001 / 2. veebr., lk. 14-15 : fot <https://elu.ohuleht.ee/117903/miks-inimene-motleb>

Mart Saarma pimesikku ei mängiks : [arendus- ja teadustegevust käsitlevast ettekandest hariduskonverentsil "Kutse- ja kõrghariduse teelahkmed"]

Liivanõmm, Virve; **Saarma, Mart** Õpetajate Leht 2004 / 3. dets., lk. 2 : fot https://artiklid.elnet.ee/record=b1372053*est

Mart Saarma pälvis Soome suurima meditsiinipreemia : [vestlus Mart Saarmaga]

Lõhmus, Alo; **Saarma, Mart** Postimees 2003 / 30. jaan., lk. 3 : port

Mart Saarma, rahvusvaheline eestlane : [intervjuu]

Saarma, Mart; Rosen, Britt Postimees 2003 / 22. veebr., Arter, lk. 6-9 : fot

Mart Saarma: Eesti ainus võimalus on teadusel põhinev tööstus

Saarma, Mart Trialoog 2025 / Lk. 21-23 [Mart Saarma: Eesti ainus võimalus on teadusel põhinev tööstus](#) [Mart Saarma: Eesti ainus võimalus on teadusel põhinev tööstus](#)

Mart Saarma: Eesti majandus on käpuli, sest pole kõrgtehnoloogilist tööstust

Saarma, Mart postimees.ee err.ee 2025 [Mart Saarma: Eesti majandus on käpuli, sest pole kõrgtehnoloogilist tööstust](#) [Mart Saarma: akadeemia roll](#)

Mart Saarma: teadus on juba eos rahvusvaheline

Saarma, Mart novaator.err.ee 2024 [Mart Saarma: teadus on juba eos rahvusvaheline](#)

Mechanism of activity-dependent downregulation of the neuron-specific K-Cl cotransporter KCC2

Rivera, Claudio; Voipio, Juha; **Saarma, Mart** Journal of neuroscience 2004 / 19, p. 4683-4691 <https://www.jneurosci.org/content/24/19/4683>

Meile vastab molekulaarbioloog Mart Saarma

Saarma, Mart Horisont 1999 / 2, lk. 22-23: fot

Molecularly imprinted polymer-based SAW sensor for label-free detection of cerebral dopamine neurotrophic factor protein

Kidakova, Anna; Boroznjak, Roman; Reut, Jekaterina; Öpik, Andres; Saarma, Mart; **Sõritski, Vitali** Sensors and actuators B : chemical 2020 / art. 127708, 8 p. : ill <https://doi.org/10.1016/j.snb.2020.127708> [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>

Nerve growth factor and brain-derived neurotrophic factor mRNAs are regulated in distinct cell populations of rat heart after ischaemia and reperfusion

Hiltunen, J.O.; Laurikainen, A.; Väkeva, A.; Meri, S.; **Saarma, Mart** Journal of pathology 2001 / p. 247-253
<https://pubmed.ncbi.nlm.nih.gov/11400155/>

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

Neurotrophic factors in development and disease

Saarma, Mart The First Joint Conference of Scandinavian Neuropaediatric Society and Baltic Child Neurology Assotiation. The 7th International Conference of Baltic Neurology Association in cooperation with 4th Conference of Estonian Society of Human Genetics : May 27-31, 2003, Tallinn, Estonia : program and abstract book 2003 / p. 13-14

Neurotrophic factors: new drugs for neurodegenerative diseases

Saarma, Mart Collegium Internationale Neuro-Psychopharmacologicum (CINP) : final program and book of abstracts : Central/East European CINP Regional Meeting : Tallinn, Estonia, October 5-7, 2006 2006 / p. 68

Neurotrophin-3 is a target-derived neurotrophic factor for penile erection-inducing neurons

Hiltunen, J.O.; Laurikainen, A.; Klinge, E.; **Saarma, Mart** Neuroscience 2005 / 1, p. 51-58
<https://www.sciencedirect.com/science/article/pii/S0306452205000965>

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/>

Neurturin mRNA expression suggests roles in trigeminal innervation of the first branchial arch in tooth formation

Luukko, K.; **Saarma, Mart**; Thesleff, I. Developmental dynamics 1998 / p. 207-219

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

Novel computational models for predicting dopamine interactions

Katritzky, Alan R.; **Dobchev, Dimitar**; Stoyanova-Slavova, Iva B.; Kuanar, Minati; Beshpalov, Maxim M.; **Karelson, Mati; Saarma, Mart** Experimental neurology 2008 / 1, p. 150-171 <https://www.sciencedirect.com/science/article/pii/S0014488608000368>

Novel functions and signalling pathways for GDNF

Sariola, H.; **Saarma, Mart** Journal of cell science 2003 / 19, p. 3855-3862 <https://pubmed.ncbi.nlm.nih.gov/12953054/>

Novel GDNF receptors

Saarma, Mart Eesti Arst 2001 / Lisa 3, lk. 8 https://artiklid.elnet.ee/record=b1030508*est

A novel gene family encoding leucine-rich repeat transmembrane proteins differentially expressed in the nervous system

Lauren, Juha; Airaksinen, Matti S.; **Saarma, Mart; Timmusk, Tõnis** Genomics 2003 / 4, p. 411-421 : ill
<https://www.sciencedirect.com/science/article/pii/S0888754303000302>

Novel neurotrophic factor CDNF protects and rescues midbrain dopamine neurons in vivo

Lindholm, Päivi; **Timmusk, Tõnis; Saarma, Mart** Nature 2007 / p. 73-77 <https://doi.org/10.1038/nature05957>

Närvikasvufaktorid ja neurodegeneratiivsete haiguste ravi : kommentaar Põhjamaade teaduspreemia pälvinud tööle
Saarma, Mart Tallinna Tehnikaülikooli aastaraamat 2009 2010 / lk. 199-204

Närvirakkude ühendustest, elust ja surmast

Saarma, Mart Horisont 2007 / lk. 20-23 https://artiklid.elnet.ee/record=b2039956*est

Ozone-induced programmed cell death in the Arabidopsis radical-induced cell death1 mutant

Overmyer, Kirk; Brosche, Mikael; Pellinen, Riikka; Kuittinen, Tero; Tuominen, Hannele; Ahlfors, Reetta; Keinänen, Markku; **Saarma, Mart**; Scheel, Dierk; Kangasjärvi, Jaakko Plant physiology 2005 / 3, p. 1092-1104 <https://doi.org/10.1104/pp.104.055681>

Other neurotrophic factors : Glial cell line-derived neurotrophic factor

Saarma, Mart; Sariola, H. Microscopy research and technique 1999 / p. 292-302

Pealelend : [professor Mart Saarma, kes kuulub Euroopa Teadusnõukogu (ERC) juhtkonna hulka, selgitab nõukogu saavutusi]

Saarma, Mart Sirp 2012 / lk. 25 : fot

Phosphorylation down-regulates the RNA binding function of the coat protein of potato virus A

Ivanov, K.I.; Puustinen, P.; **Merits, Andres**; **Saarma, Mart**; Mäkinen, K. Journal of biological chemistry 2001 / 17, p. 13530-13540 : ill <https://pubmed.ncbi.nlm.nih.gov/11152464/>

Phytopsin, a barley vacuolar aspartic proteinase, is highly expressed during autolysis of developing tracheary elements and sieve cells

Runeberg-Roos, Pia; **Saarma, Mart** Plant journal 1998 / p. 139-145

Pool professoreist ei vääri ametit : [M.Saarma ettekandest Tartus toimunud hariduskonverentsil]

Ojakivi, Mirko; **Saarma, Mart** Eesti Päevaleht 2004 / 24. nov., lk. 5 : fot <https://epl.delfi.ee/artikkel/50997960/pool-professoreist-ei-vaari-ametit>

Promotion of seminomatous tumors by targeted overexpression of glial cell line-derived neurotrophic factor in mouse testis

Meng, X.; Rooij, D.G. de; Westerdahl, K.; **Saarma, Mart**; Sariola, H. Cancer research 2001 / p. 3267-3271 <https://pubmed.ncbi.nlm.nih.gov/11309277/>

Propagation of different potato virus X (PVX) isolates in PVX coat protein expressing tobacco plants and protoplasts

Truve, Erkki; **Järvekülg, Lilian**; Bouscaren, Marie-Lise; Saarma, Mart Fourth International Symposium on Positive Strand RNA Viruses, May 25-30, 1995, Jaarbeurs Congress Centre, Beatrix-building, Utrecht, The Netherlands 1995 / p. P7-58

Proteolytic processing of potyviral proteins and polyprotein processing intermediates in insect and plant cells

Merits, Andres; Rajamäki, M.-L.; **Saarma, Mart** Journal of general virology 2002 / 5, p. 1211-1221 : ill <https://pubmed.ncbi.nlm.nih.gov/11961277/>

Provintsiülikoolid kaotasid provintsi

Saarma, Mart Luup 1999 / 12, lk. 43-45 https://artiklid.elnet.ee/record=b1004506*est

Provintsiülikoolid kaotasid provintsi

Saarma, Mart Tallinna Tehnikaülikooli aastaraamat 1999 2000 / lk. 275-277

PSPN/GFR[alpha]4 has a significantly weaker capacity than GDNF/GFR[alpha]1 to recruit RET to rafts, but promotes neuronal survival and neurite outgrowth

Yang, Jianmin; Lindahl, Maria; Lindholm, Päivi; Virtanen, Heidi; Coffey, Eleanor; Runeberg-Roos, Pia; **Saarma, Mart** FEBS letters 2004 / 1/3, p. 267-271 : ill <https://pubmed.ncbi.nlm.nih.gov/15225646/>

Recent developments in the field of GDNF and its receptors

Saarma, Mart Forum of European Neuroscience, Berlin, June 27 - July 2, 1998 1998 / p. 12

Regulation of cell fate decision of undifferentiated spermatogonia by GDNF

Meng, X.; **Saarma, Mart** Science 2000 / p. 1489-1493 <https://pubmed.ncbi.nlm.nih.gov/10688798/>

Regulation of VPg and replicase production during cocksfoot mottle sobemovirus infection

Mäkinen, K.; Lucchesi, Jimmy; Mäkeläinen, K.; **Tamm, Tiina**; **Saarma, Mart** 11th International Congress of Virology : Sydney, 1999 1999 / p. 301

Rescue of hearing, auditory hair cells, and neurons by CEP-1347/KT7515, and inhibitor of c-Jun N-terminal kinase

activation

Pirvola, Ulla; Xing-Qun, L.; Virkkala, J.; **Saarma, Mart**; Murakata, C.; Camoratto, A.M.; Walton, K.M.; Ylikoski, Jukka Journal of neuroscience 2000 / p. 43-50 <https://pubmed.ncbi.nlm.nih.gov/10627579/>

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/>

RNA binding properties of potato A potyvirus encoded structural and non-structural proteins

Merits, Andres; Saarma, Mart ICPP98 : 7th International Congress of Plant Pathology, Edinburgh, Scotland, 9-16 August 1998. Vol. 2, Offered papers, abstracts 1998 / paper 1.11.3 (1 p.)

RNA interference-guided targeting of hepatitis C virus replication with antisense locked nucleic acid-based oligonucleotides containing 8-oxo-dG modifications

Mutso, Margit; Nikonov, Andrei; Pihlak, Arno; Žusinaite, Eva; Viru, Liane; Selyutina, Anastasia; **Reintamm, Tõnu; Kelve, Merike; Saarma, Mart; Karelson, Mati; Merits, Andres** PLoS ONE 2015 / p. 1-25 : ill <https://doi.org/10.1371/journal.pone.0128686> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

RNA m6A methyltransferase activator affects anxiety-related behaviours, monoamines and striatal gene expression in the rat

Kanarik, Margus; Liiver, Kristi; **Norden, Marianna**; Teino, Indrek; Org, Tõnis; Laagus, Karita; Shimmo, Ruth; Karelson, Mati; Saarma, Mart; Harro, Jaanus Acta Neuropsychiatrica 2024 / art. e52 <https://doi.org/10.1017/neu.2024.36> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

RNA maailma avastamine

Saarma, Mart Tarkade Klubi 2010 / erinumber, lk. 26

Saarma: segaduse tingis kogenematus

Saarma, Mart Postimees 2015 / lk. 7 <https://www.postimees.ee/3220959/saarma-segaduse-tingis-kogenematus>

Seizures induce widespread upregulation of cystatin B, the gene mutated in progressive myoclonus epilepsy, in rat forebrain neurons

D'Amato, E.; Kokaia, Zaal; Nanobashvili, A.; Reeben, M.; Lehesjoki, A.-E.; **Saarma, Mart**; Lindvall, O. European journal of neuroscience 2000 / p. 1687-1695 <https://pubmed.ncbi.nlm.nih.gov/10792446/>

Self-association and mapping of interaction domains of the helper component proteinase of potato A potyvirus

Guo, D.; **Merits, Andres; Saarma, Mart** Journal of general virology 1999 / p. 1127-1131

Selliseid daame enam ei tehta : [Mart Saarma oma emast Valve Saarmast]

Saarma, Mart; Murutar, Kati Elukiri 2005 / lk. 16-19 : fot https://artiklid.elnet.ee/record=b2006429*est

Small molecular weight ARTN mimetic for the treatment of neuropathic pain

Sidorova, Y.A.; Bepalov, Maxim M.; **Karelson, Mati**; Saarma, Mart Cell transplantation 2012 / p. 792 <https://researchportal.helsinki.fi/en/publications/small-molecular-weight-artn-mimetic-for-the-treatment-of-neuropat>

Stroke induces widespread changes of gene expression for glial cell line-derived neurotrophic factor family receptors in the adult rat brain

Arvidsson, A.; Kokaia, Zaal; Airaksinen, Matti S.; **Saarma, Mart**; Lindvall, O. Neuroscience 2001 / p. 27-41 <https://pubmed.ncbi.nlm.nih.gov/11564414/>

Studies of potato viruses : antigenic analysis, structure, transmission and detection

Järvekülg, Lilian; Andrejeva, Jelena; Merits, Andres; Kibe, Kristiina; Raudsepp, Raul; Puurand, Ülo; Rabenstein, Frank; Saarma, Mart International Symposium 75 Years of Phytopathological and Resistance Research at Aschersleben, 12-16 June, 1995, Aschersleben, Germany : proceedings, list of authors, list of participants 1995 / p. 108-111: ill

Studies of potato viruses : antigenic analysis, structure, transmission and detection

Järvekülg, Lilian; Andrejeva, Jelena; Merits, Andres; Kibe, Kristiina; Raudsepp, Raul; Puurand, Ülo; Rabenstein, Frank; Saarma, Mart International Symposium 75 Years of Phytopathological and Resistance Research at Aschersleben, 12-16 June, 1995, Aschersleben, Germany : programme, abstracts, list of participants 1995 / p. 1

Sõbralik vaade lahe teiselt kaldalt

Saarma, Mart Hea linn : Tallinna visioonikonverentsid 2013 / lk. 103-109

Synaptogenesis upregulates KCC2 expression in cultured hippocampal neurons

Ludwig, Anastasia; **Saarma, Mart**; Kaila, Kai; Rivera, Claudio The 3rd Forum of European Neuroscience 2002 / p. 078.13

Tark mees Tartust : [Eesti Teaduste Akadeemia tulevane president Richard Villems. Mart Saarma kommentaaridega]
Lõhmus, Alo; **Saarma, Mart** Eesti Ekspress 2004 / lk. A6-A7 <https://ekspress.delfi.ee/artikkel/69031465/tark-mees-tartust>

Tarkus toidab

Saarma, Mart; Strandberg, Marek Sirp 2012 / lk. 17 : ill https://artiklid.elnet.ee/record=b2467470*est

Tartu [p. o. Tallinna] teadlased ei tegelenud bioloogilise relvaga : [lühintervjuu Keemilise ja Bioloogilise Füüsika Instituudi teadusnõukogu esimehe Mart Saarmaga]

Saarma, Mart; Ojakivi, Mirko; Tarand, Kaarel; Aaviksoo, Jaak; Kivirähk, Andrus Eesti Päevaleht 2004 / lk. 4

Teaduse kvaliteedist ja innovatsioonist

Saarma, Mart Riigikogu toimetised 2012 / lk. 9-20

Tehnikavaldkonna rahvuslikool ristteel

Maidla, Margus Sirp 2021 / lk. 34-35 : fot <https://www.sirp.ee/s1-artiklid/c21-teadus/tehnikavaldkonna-rahvuslikool-ristteel/>

The first cysteine-rich domain of the receptor GFR[alpha]1 stabilizes the binding of GDNF

Virtanen, Heidi; Yang, Jianmin; Bessalov, Maxim M.; Hiltunen, J.O.; Leppänen, V.M.; Kalkkinen, Nisse; Goldman, A.; **Saarma, Mart**; Runeberg-Roos, Pia Biochemical journal 2005 / 3, p. 817-824 <https://pubmed.ncbi.nlm.nih.gov/15610063/>

The GDNF family : from neurotrophic factors to oncogenesis

Poteriaev, D.A.; **Saarma, Mart** Molecular biology 2001 / p. 309-320 https://artiklid.elnet.ee/record=b2321076*est

The GDNF family : signalling, biological functions and therapeutic value

Airaksinen, Matti S.; **Saarma, Mart** Nature reviews neuroscience 2002 / 5, p. 383-394 <https://pubmed.ncbi.nlm.nih.gov/11988777/>

The K⁺/Cl⁻ co-transporter KCC2 renders GABA hyperpolarizing during neuronal maturation

Rivera, Claudio; Voipio, Juha; Payne, John A.; Ruusuvuori, Eva; Lahtinen, Hannele; Lamsa, Karri; Pirvola, Ulla; **Saarma, Mart**; Kaila, Kai Nature 1999 / p. 251-255: ill <https://pubmed.ncbi.nlm.nih.gov/9930699/>

The messenger RNAs for both glial cell line-derived neurotrophic factor receptors, C-ret and GDNFR, are induced in the rat brain in response to Kainate-induced excitation

Reeben, M.; Laurikainen, A.; Hiltunen, J.O.; Castren, Eero; **Saarma, Mart** Neuroscience 1998 / p. 151-159

The neuronal ceroid lipofuscinosis Cln8 gene expression is developmentally regulated in mouse brain and up-regulated in the hippocampal kindling model of epilepsy

Lonka, Liina; Aalto, Antti; Kopra, Outi; Kuronen, Mervi; Kokaia, Zaal; **Saarma, Mart**; Lehesjoki, Anna-Elina BMC neuroscience 2005 / 1, p. 27 <https://doi.org/10.1186/1471-2202-6-27>

The stereochemical aspect of the interaction of 3'-fluoro-3'-deoxy analogues of the (2'-5')oligoadenylic acid trimer with (2'-5')A3 antibodies

Kalinichenko, E.N.; Podkopaeva, T.L.; Mikhailopulo, I.A.; **Kelve, Merike; Saarma, Mart**; Boogaart, J. van der; Altona, C. Bioorg. Khim 1999 / p. 675-678

The structure of GFR[alfa]1 domain 3 reveals new insights into GDNF binding and RET activation

Leppänen, V.M.; Bessalov, Maxim M.; Runeberg-Roos, Pia; Puurand, Ülo; **Merits, Andres; Saarma, Mart**; Goldman, A. EMBO journal 2004 / 7, p. 1452-1462 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC391078/>

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](#)

3'-deoxy-3'-fluoro analogs of core trimers of 2-5A : effect on lytic activity of human NK-lymphocytes

Kalinichenko, E.N.; Podkopaeva, T.L.; **Kelve, Merike; Saarma, Mart**; Mikhailopulo, I.A. Bioorganicheskaia Khimiia 1999 / p. 282-289 <https://pubmed.ncbi.nlm.nih.gov/10422595/>

Towards a protein interaction map of potyviruses : protein interaction matrixes of two potyviruses based on yeast-two hybrid system

Guo, D.; Rajamäki, M.-L.; **Saarma, Mart**; Valkonen, J.P.T. Journal of general virology 2001 / 4, p. 935-939 : ill <https://pubmed.ncbi.nlm.nih.gov/11257200/>

Towards understanding the neuronal pathogenesis of aspartylglycosaminuria : expression of aspartylglycosaminidase in brain during development

Uusitalo, A.; Tenhunen, K.; Heinonen, O.; Hiltunen, J.O.; **Saarma, Mart**; Haltia, M.; Jalanko, A.; Palotie, L. Molecular genetics development 1999 / p. 294-307

Transgenic plants with multiple virus resistance

Truve, Erkki; Kelve, Merike; Teeri, T.; **Saarma, Mart** Biobalt'92 : Biotechnology in Estonia, Latvia and Lithuania : Tallinn, November 1992 : conference abstracts 1992 / p. 24

2'-5' oligoadenylate-binding protein(s) in higher plants

Truve, Erkki; Nigul, Lenne; Saichenko, T.A.; Saarma, Mart; Kelve, Merike BIOBALT '96 : Biotechnology in Estonia, Latvia and Lithuania : International Workshop, 19-20 April, 1996, Tartu, Estonia : abstract book 1996 / p. 34

Two novel mammalian nogo receptor homologs differentially expressed in the central and peripheral nervous systems

Lauren, Juha; Airaksinen, Matti S.; **Saarma, Mart**; Timmusk, Tõnis Molecular and cellular neuroscience 2003 / 3, p. 581-594
<https://www.sciencedirect.com/science/article/pii/S1044743103001994>

Two potato proteins, including a novel RING finger protein (HIP1), interact with the potyviral multifunctional protein HCpro

Guo, D.; Spetz, C.; **Saarma, Mart**; Valkonen, J.P. Molecular plant-microbe interactions 2003 / 5, p. 405-410
<https://pubmed.ncbi.nlm.nih.gov/12744511/>

Valik arvamusi läbi aastate : [arvamusd ka TTÜga seotud akadeemikutelt: Rein Küttner, Anto Raukas, Mart Saarma, Boris Tamm, Enn Tõugu, Raimund-Johannes Ubar]

Küttner, Rein; Raukas, Anto; Saarma, Mart; Tamm, Boris, inform.; Tõugu, Enn; Ubar, Raimund-Johannes Akadeemia 2008 / lk. 2153-2188, 2327-2328 https://artiklid.elnet.ee/record=b1998916*est https://www.ester.ee/record=b1071914*est

Vpg, coat protein and five non-structural proteins of potato A potyvirus bind RNA in a sequence-unspecific manner

Merits, Andres; Deyin, G.; **Saarma, Mart** Journal of general virology 1998 / p. 3123-3127

Väikesed riigid toetagu kvaliteetset teadust

Saarma, Mart; Strandberg, Marek Sirp 2014 / lk. 36-37 : portr <https://sirp.ee/s1-artiklid/c9-sotsiaalia/2014-01-24-10-01-14/>