

Adenosine-derived non-phosphate antagonists for P2Y1 purinoreceptors

Sak, Katrin; Uri, A.; Enkvist, E.; Raidaru, G.; Subbi, J.; **Kelve, Merike**; Järv, Jaak Biochemical and biophysical research communications 2000 / p. 327-331

Allele distribution at nine STR loci - D3S1358, vWA, FGA, TH01, TPOX, CSF1PO, D5S818, D13S317 and D7S820 - in an Estonian population sample

Aaspõllu, Anu; **Sumeri, Ingrid; Kelve, Merike** Progress in forensic genetics 2000 / p. 129-131

Cloning and expression of ATP N-glycosidase from the freshwater sponge Ephydatia muelleri

Reintamm, Tõnu; Vallmann, Kerli; Kolk, Kaidi; Päre, Mailis; Lopp, Annika; Aas-Valleriani, Nele; Kelve, Merike Biochimie 2019 / p. 126-129 <https://doi.org/10.1016/j.biochi.2018.12.018> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Construction and characterization of a cDNA library from the marine sponge Chondrosia reniformis

Kuuskalu, Anne; Metsis, Madis; Reintamm, Tõnu; Kelve, Merike Porifera research - biodiversity, innovation and sustainability 2007 / p. 405-412

Deoxynucleoside 5-monophosphate N-glycosidase from a phylogenetically distant metazoa, sponge

Aas-Valleriani, Nele; Reintamm, Tõnu; Kelve, Merike Biochimie 2018 / p. 113-118 : ill <https://doi.org/10.1016/j.biochi.2017.12.005> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Distribution of nine short tandem repeat loci in an Estonian population sample

Aaspõllu, Anu; **Sumeri, Ingrid; Kelve, Merike** 18th International Congress of the Society for Forensic Haemagenetics : San Francisco, CA, 1999 1999 / p. 140

Enzymatically active 2',5'-oligoadenylate synthetases are widely distributed among Metazoa, including protostome lineage

Päre, Mailis; Kuuskalu, Anne; Lopp, Annika; Hansen Kjaer, Karina; Justesen, Just; Kelve, Merike Biochimie 2014 / p. 200-209 : ill <https://doi.org/10.1016/j.biochi.2013.10.015> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Evolution of the 2'-5'-oligoadenylate synthetase family in Eukaryotes and Bacteria

Kjaer, Karina Hansen; Poulsen, Jesper Buchhave; **Reintamm, Tõnu; Saby, Emilie; Martesen, Pia Moeller; Kelve, Merike; Justesen, Just** Journal of molecular evolution 2009 / 6, p. 612-624 <https://www.proquest.com/openview/0fe0284ce650961a365d42300b2e597f/1?cbl=54027&pq-origsite=gscholar&parentSessionId=dz9k38w4a1zaAkRvUbi61rwTWqEtV4qKOMQV6XmYsw%3D>

Evolutionary distribution of deoxynucleoside 5-monophosphate N-glycosidase, DNPH1

Reintamm, Tõnu; Aas-Valleriani, Nele; Kelve, Merike Gene 2019 / p. 1-11 <https://doi.org/10.1016/j.gene.2018.10.005> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Experience in mixed sample DNA analysis and interpretation of results in rape cases

Aaspõllu, Anu; **Kelve, Merike** 15th Meeting of the International Association of Forensic Sciences : Los Angeles, 1999 1999

Expressed 2-5A synthetase genes and pseudogenes in the marine sponge Geodia barretti

Vallmann, Kerli; Aas, Nele; Reintamm, Tõnu; Lopp, Annika; Kuuskalu, Anne; Kelve, Merike Gene 2011 / p. 42-49 : ill <https://www.sciencedirect.com/science/article/pii/S0378111911000163>

Expression and activity of 2-5A synthetase in course of differentiation and apoptosis of PC12 cells

Lopp, Annika; Samuel, Külli; **Kelve, Merike** European cytokine network 1998 / p. 447

Expression and activity of 2-5A synthetase in the course of differentiation and apoptosis of PC12 cells

Lopp, Annika; Kuuskalu, Anne; Samuel, Külli; **Kelve, Merike** Cytokine 2000 / p. 737-741

Expression and characterization of recombinant 2',5'-oligoadenylate synthetase from the marine sponge Geodia cydonium

Päre, Mailis; Kuuskalu, Anne; Lopp, Annika; Reintamm, Tõnu; Justesen, Just; Kelve, Merike FEBS journal 2007 / 13, p. 3462-3474

Expression and characterization of recombinant 2',5'-oligoadenylate synthetase from the marine sponge Geodia cydonium

Lopp, Annika; Päre, Mailis; Kuuskalu, Anne; Reintamm, Tõnu; Justesen, Just; Kelve, Merike Journal of interferon and cytokine research 2007 / 8, p. 719

Freshwater sponges in Estonia : genetic and morphological identification

Roovere, Tiit; Lopp, Annika; Reintamm, Tõnu; Kuuskalu, Anne; Richelle-Maurer, Evelyn; Kelve, Merike Proceedings of the Estonian Academy of Sciences. Biology. Ecology 2006 / 3, p. 216-227 : ill

Geneetiliselt muundatud komponentide tuvastamine toiduainetes

Raudvere, Eveli; Aaspõllu, Anu; Kelve, Merike XXVII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 27th Estonian Chemistry Days : abstracts of scientific conference 2001 / lk. 112

Geneetiliselt muundatud organismid - mis need on?

2010 http://www.ester.ee/record=b2594437*est

Identification of a novel member of 2H phosphoesterases, 2',5'-oligoadenylate degrading ribonuclease from the oyster *Crassostrea gigas*

Lopp, Annika; Reintamm, Tõnu; Kuusksalu, Anne; Olsper, Allan; Kelve, Merike Biochimie 2019 / p. 181–195 : ill
<https://doi.org/10.1016/j.biochi.2018.09.003> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

In vitro effects of metal pollution on Mediterranean sponges : species-specific inhibition of 2'5'-oligoadenylate synthetase

Saby, Emilie; Justesen, Just; Kelve, Merike; Uriz, Maria Aquatic toxicology 2009 / 3, p. 204-210 : ill
<https://www.sciencedirect.com/science/article/pii/S0166445X09002264>

Interferon-induced 2',5'-oligoadenylate synthetases versus those from sponges, evolutionarily lowest multicellular animals

Kuusksalu, Anne; Lopp, Annika; Päre, Mailis; Reintamm, Tõnu; Kelve, Merike Cytokine 2009 / 1/2, p. 85-86
https://www.researchgate.net/publication/247349787_Interferon-induced_2'5'-oligoadenylate_synthetases_versus_those_from_sponges_evolutionarily_lowest_multicellular_animals

Intragenomic profiling using multicopy genes : the rDNA internal transcribed spacer sequences of the freshwater sponge *Ephydatia fluviatilis*

Karlep, Liisi; Reintamm, Tõnu; Kelve, Merike PLoS ONE 2013 / p. 1-12 : ill <https://doi.org/10.1371/journal.pone.0066601> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Kas vereülekannet takistab kurjategijate tuvastamist? : [vastab Merike Kelve]

Kelve, Merike Eesti Elu : [Kanada ajaleht] 2005 / 18. nov., lk. 17

Lihtsad, aga mitte primitiivsed loomad [käsna]

Lopp, Annika; Kelve, Merike Eesti Loodus 2011 / 6/7, lk. 12-18 : ill https://artiklid.elnet.ee/record=b2417228*est

Lühikese DNA kordusjärjestuste analüüs eestlaste populatsioonis PowerPlex™ 16 abil

Lagemaa, Kadri; Aaspõllu, Anu; Kelve, Merike XXVIII Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 28th Estonian Chemistry Days : abstracts of scientific conference 2002 / lk. 74-75

Lynch syndrome mutations shared by the Baltic States and Poland

Dymerska, D.; Kelve, Merike Clinical genetics 2014 / p. 190-193 : ill <https://doi.org/10.1111/cge.12251> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Matemaatika-loodusteaduskond

Muks, Elvi; Kelve, Merike; Lille, Ülo Leitudajaid ja leitudisi Tallinna Tehnikaülikoolis 1922-2007 2008 / lk. 72-78 : ill
https://www.ester.ee/record=b2412718*est

Mikrosatelliitsete markerite analüüs ja geneetiline mitmekesisus Soome pruunkaru näitel

Masing, Esther; Aaspõllu, Anu; Kelve, Merike XXVIII Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 28th Estonian Chemistry Days : abstracts of scientific conference 2002 / lk. 83-84

Modulation of (2'-5')oligoadenylate synthetase by environmental stress in the marine sponge *Geodia cydonium*

Kelve, Merike; Kuusksalu, Anne Modern aspects in monitoring of environmental pollution in the sea 1999 / p. 147-155

Molecular identification, characterization and distribution of freshwater sponges (Porifera: Spongillidae) in Estonia

Lopp, Annika; Reintamm, Tõnu; Vallmann, Kerli; Päre, Mailis; Mikli, Valdek; Richelle-Maurer, Evelyn; Kelve, Merike Fundamental and applied limnology = Archiv für Hydrobiologie 2007 / 1, p. 93-103
https://www.researchgate.net/publication/233617898_Molecular_identification_characterization_and_distribution_of_freshwater_sponges_Porifera_Spongillidae_in_Estonia

Natural 2',5'-linked oligoribonucleotides from marine sponges

Lopp, Annika; Reintamm, Tõnu; Rapp, Hans Tore; Hoffmann, Friederike; Kelve, Merike 6th European Conference on Marine Natural Products : Porto, Portugal, 19-23 July 2009 : programme & abstracts book 2009 / ? p

Natural occurrence of 2',5'-linked heteronucleotides in marine sponges

Lopp, Annika; Reintamm, Tõnu; Kuusksalu, Anne; Tammiste, Indrek; Pihlak, Arno; Kelve, Merike Marine drugs 2010 / 2, p. 235-254 <https://pubmed.ncbi.nlm.nih.gov/20390103/>

A novel endoribonuclease from the marine sponge *Tethya aurantium* specific to 2',5'-phosphodiester bonds

Lopp, Margus; Reintamm, Tõnu; Kuusksalu, Anne; Rosa, Salvatore, de; Kelve, Merike *Biochimie* 2012 / p. 1635-1646 : ill <https://doi.org/10.1016/j.biochi.2012.04.002> <https://www.sciencedirect.com/science/article/pii/S0300908412001368>

1-methyladenine - the major adenylate derived secondary metabolite of the marine sponge *Geodia cydonium*

Reintamm, Tõnu; Lopp, Annika; Kelve, Merike 5th European Conference on Marine Natural Products : September 16-21, 2007, Ischia, Naples, Italy 2007 / p. 183

Only pyrimidino receptors are functionally expressed in mouse neuroblastoma cell lines

Sak, Katrin; Webb, T.E.; Samuel, Külli; Kelve, Merike; Järv, J. *Mol. cell. biol. res. comm* 1999 / p. 203-208 <https://www.sciencedirect.com/science/article/abs/pii/S1522472499901344>

Origin of the interferon-inducible (2'-5')oligoadenylate synthetase in vertebrates : cloning of the (2'-5') oligoadenylate synthetase from the marine sponge *Geodia cydonium*

Wiens, M.; Kuusksalu, Anne; Kelve, Merike; Müller, W.E.G. *FEBS letters* 1999 / p. 12-18 <https://www.sciencedirect.com/science/article/pii/S0014579399014787>

Poriferan survivin exhibits a conserved regulatory role in the interconnected pathways of cell cycle and apoptosis

Luthringer, B.; Isbert, S.; Müller, W.E.; Zilberberg, C.; Thakur, N.L.; Wörheide, G.; Stauber, R.H.; Kelve, Merike; Wiens, M. *Cell death and differentiation* 2011 / 2, p. 201-213 : ill <https://www.nature.com/articles/cdd201087>

Proteinases from *Vipera lebetina* snake venom affecting hemostasis

Aaspõllu, Anu 2006 http://www.ester.ee/record=b2144713*est

Purification of the 2',5'-oligoadenylate synthetase from the marine sponges *Geodia cydonium* and *Chondrosia reniformis*

Saby, Emilie; Reintamm, Tõnu; Kelve, Merike *Journal of interferon and cytokine research* 2007 / 8, p. 719

Pyrimidinoreceptor potentiation by ATP in NG108-15 cells

Sak, Katrin; Kelve, Merike; Uri, A.; Järv, J. *FEBS letters* 1998 / p. 107-109

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](#)

A set of ribosomal RNA gene copies in a single individual of *Ephydatia fluviatilis*

Karlep, L.; Aas, Nele; Salonen, S.; Lopp, Annika; Reintamm, Tõnu; Kelve, Merike VIII World Sponge Conference : Ancient Animals, new Challenges : Girona (Spain), 20-24 September 2010 : book of abstracts 2010 / p. 228

Sponge 2-5A synthetases form the distinct subgroup of the 2-5A synthetase family

Kuusksalu, Anne; Reintamm, Tõnu; Lopp, Annika; Päre, Mailis; Kelve, Merike VIII World Sponge Conference : Ancient Animals, new Challenges : Girona (Spain), 20-24 September 2010 : book of abstracts 2010 / p. 239

Sponge OAS has a distinct genomic structure within the 2-5A synthetase family

Reintamm, Tõnu; Kuusksalu, Anne; Metsis, Madis; Päre, Mailis; Vallmann, Kerli; Lopp, Annika; Justesen, Just; Kelve, Merike *Molecular genetics and genomics* 2008 / p. 453-466 : ill <https://pubmed.ncbi.nlm.nih.gov/18797928/>

The stress protein HSP70 from the marine sponge *Thenea muricata*

Vallmann, Kerli; Kivisild, Carmen; Lopp, Annika; Rapp, Hans Tore; Kelve, Merike *Journal of the Marine Biological Association of the United Kingdom* 2016 / p. 573-581 : ill <https://doi.org/10.1017/S0025315415002234> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Studies on interferon-induced (2'-5') oligoadenylate system

Kelve, Merike BIOBALT '96 : Biotechnology in Estonia, Latvia and Lithuania : International Workshop, 19-20 April, 1996, Tartu, Estonia : abstract book 1996 / p. 23

Synthesis of 2',5'-linked nucleotides by OAS from marine sponges

Lopp, Annika; Reintamm, Tõnu; Kuusksalu, Anne; Tammiste, Indrek; Pihlak, Arno; Kelve, Merike VIII World Sponge Conference : Ancient Animals, new Challenges : Girona (Spain), 20-24 September 2010 : book of abstracts 2010 / p. 257

The allelic distribution of the Y chromosomal STR loci in an Estonian population sample

Aaspõllu, Anu; Sumeri, Ingrid; Kelve, Merike *Forensic Science Challenges for the New Millennium* 2000 / p. 37 https://arch.ies.gov.pl/images/PDF/2001/vol_46/46_aaspollu.pdf

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

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/>

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

2-5A synthetase from the marine sponge Geodia cydonium

Kuuskalu, Anne 2003 http://www.ester.ee/record=b1782619*est

2-5A synthetase induction during PC12 cell death induced by serum starvation

Lopp, Annika; Kuuskalu, Anne; Samuel, Külli; **Kelve, Merike** Proceedings of the Estonian Academy of Sciences. Chemistry 1999 / 3, p. 109-118

(2'-5')-oligoadenylate synthetase in marine sponge : identification of its reaction products

Kuuskalu, Anne; Subbi, J.; **Pehk, Tõnis**; Reintamm, Tõnu; Müller, W.E.G.; **Kelve, Merike** European journal of biochemistry 1998 / p. 420-426

(2'-5')-oligoadenylate system in marine sponges

Kuuskalu, Anne; Subbi, J.; **Pehk, Tõnis**; Reintamm, Tõnu; **Kelve, Merike** European cytokine network 1998 / p. 326

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

2'-phosphodiesterase and 2', 5'-oligoadenylate synthetase activities in the lowest metazoans, sponge [porifera]

Saby, Emilie; Poulsen, Jesper Buchhave; Justesen, Just; **Kelve, Merike**; Uriz, Maria Jesus Biochimie 2009 / 11/12, p. 1531-1534 <https://www.sciencedirect.com/science/article/pii/S0300908409002211>

Y kromosoomi STR lookuste alleelide jaotus Eesti populatsiooni näitel

Roovere, Tiit; Aaspõllu, Anu; **Kelve, Merike** XXVIII Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 28th Estonian Chemistry Days : abstracts of scientific conference 2002 / lk. 119-120