

A novel metalloprotease from *Vipera lebetina* venom induces human endothelial cell apoptosis

Trummal, Katrin; Tõnismägi, Külli; Siigur, Ene; Aaspõllu, Anu; Lopp, Annika; Sillat, Tarvo; Saat, Riste; Kasak, Lagle; Tammiste, Indrek; Kogerman, Priit; Kalkkinen, Nisse; Siigur, Jüri Toxicon 2005 / 1, p. 46-61 <https://pubmed.ncbi.nlm.nih.gov/15922394/>

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

Characterization of the oligoadenylate synthetase subgroup from phylum Porifera = Hõimkonna Porifera oligoadenülaadi süntetaaside alamrühma iseloomustamine

Päri, Mailis 2014 <https://digi.lib.ttu.ee/21821> https://www.ester.ee/record=b4439680*est

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

Reintamm, Tõnu; Vallmann, Kerli; Kolk, Kaidi; Päri, 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](#)

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

Päri, Mailis; Kuusksalu, 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](#)

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

Vallmann, Kerli; Aas, Nele; Reintamm, Tõnu; Lopp, Annika; Kuusksalu, 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; Kuusksalu, 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*

Päri, Mailis; Kuusksalu, 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; Päri, Mailis; Kuusksalu, 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; Kuusksalu, Anne; Richelle-Maurer, Evelyn; Kelve, Merike Proceedings of the Estonian Academy of Sciences. Biology. Ecology 2006 / 3, p. 216-227 : ill

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](#)

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

Kuusksalu, Anne; Lopp, Annika; Päri, 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

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

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

Lopp, Annika; Reintamm, Tõnu; Vallmann, Kerli; Päri, 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/>

New cytotoxic sterols from the soft coral *Gersemia fruticosa*

Koljak, Reet; Lopp, Annika; Pehk, Tõnis; Varvas, Külliki; Müürisepp, Aleksander-Mati; Järving, Ivar; Samel, Nigulas Tetrahedron 1998 / p. 179-186

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

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/>

Stress protein HSP70 from marine sponge *T. muricata*

Vallmann, Kerli; Kivisild, Carmen; Lopp, Annika Abstracts : ninth world sponge conference 2013 2013 / p. 170

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](#)

Synthesis and antiproliferative activity of 15-oxoprostaglandins : contribution of the W-chain enone group to cytotoxicity

Lopp, Margus; Lopp, Annika; Paju, Anne; Lille, Ülo; Pehk, Tõnis Bioorganic & medicinal chemistry letters 1994 / 14, p. 1739-1744: ill

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

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

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

Uued tsütotoksilised 15-oksoprostaglandiinid : süntees ja antiproliferatiivne aktiivsus inimese leukeemia K562 rakuliinil

Lopp, Annika; Paju, Anne; Pehk, Tõnis; Lopp, Margus XVI Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 16th Estonian chemistry days : abstracts of scientific conference 1995 / lk. 67-70

Uued tsütotoksilised steroidid korallist *Gersemia fruticosa* = New cytotoxic sterols from the soft coral *Gersemia fruticosa*

Koljak, Reet; Lopp, Annika; Pehk, Tõnis; Varvas, Külliki; Järving, Ivar; Samel, Nigulas XVII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 17th Estonian Chemistry Days : abstracts of scientific conference 1996 / lk. 81-82 https://www.eester.ee/record=b1070511*est