

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

Biological, serological and molecular differences among isolates of potato A potyvirus

Rajamäki, M.; **Merits, Andres;** Rabenstein, Frank; **Andrejeva, Jelena** Phytopathology 1998 / p. 311-321

Comparison of the complete sequences of five different isolates of potato virus A (PVA), genus Potyvirus

Kekarainen, T.; **Merits, Andres;** Oruetebarria, J.; Rajamäki, M.-L.; Valkonen, J.P.T. Archives of virology 1999 / p. 2355-2366

Comparison of the nucleotide sequences of the 3'-terminal regions of one aphid and two non-aphid transmissible isolates of potato A potyvirus

Andrejeva, Jelena; Merits, Andres; Rabenstein, Frank; Puurand, Ülo; **Järvekülg, Lilian** Archives of virology 1996 / p. 1207-1219

<https://pubmed.ncbi.nlm.nih.gov/8774682/>

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

Detection, distribution and control of Potato mop-top virus, a soil-borne virus, in northern Europe

Santala, J.; Samuilova, O.; **Järvekülg, Lilian;** Kotkas, Katrin Annals of applied biology 2010 / 2, p. 163-178 : ill

<https://onlinelibrary.wiley.com/doi/abs/10.1111/j.1744-7348.2010.00423.x>

Diagnosis of viroid infection in potatoes and chrysanthemums

Meldrajs, J. Biobalt'92 : Biotechnology in Estonia, Latvia and Lithuania : Tallinn, November 1992 : conference abstracts 1992 / p. 68

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

Heating-induced transition of Potyvirus Potato Virus A coat protein into β -structure

Ksenofontov, Alexander L.; Parshina, Evgenia Yu; Fedorova, Natalia V.; Arutyunyan, Alexander M.; **Rumvolt, Reet;** **Paalme, Viiu;** Baratova, Ludmila A.; **Järvekülg, Lilian;** Dobrov, Eugeny N. Journal of biomolecular structure and dynamics 2016 / p. 250-258 : ill

<https://doi.org/10.1080/07391102.2015.1022604> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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.)

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>

In vitro recombinants of two nearly identical potyviral isolates express novel virulence and symptom phenotypes in plants

Paalme, Viiu; Gammelgard, E.; **Järvekülg, Lilian;** Valkonen, J.P. Journal of general virology 2004 / 3, p. 739-747

<https://pubmed.ncbi.nlm.nih.gov/14993660/>

Isolated Potato Virus A coat protein possesses unusual properties and forms different short virus-like particles

Ksenofontov, Alexander L.; Dobrov, Eugeny N.; Fedorova, Natalia V.; **Paalme, Viiu;** **Järvekülg, Lilian** Journal of biomolecular structure and dynamics 2017 / p. 1-11 : ill <https://doi.org/10.1080/07391102.2017.1333457> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Long-Term Monitoring of Six Potato Viruses in Estonian Seed Potatoes and an Assessment of Susceptibility of Potato Varieties to PVY

Van Der Sman, Piret; Pata, Pille; **Järvekülg, Lilian;** Sõmera, Merike Potato Research 2025 <https://doi.org/10.1007/s11540-025-09862-0>

Meristeemkloonide uurimisel on tulevikku

Rosenberg, Viive; **Kotkas, Katrin;** Särekanno, Marje Maamajandus 2006 / apr., lk. 33-35

https://artiklid.elnet.ee/record=b1054055*est

Molecular cloning, sequencing and homology studies of potato potyvirus A (PVA) helper component gene from aphid

transmissible (AT) and non-aphid transmissible (NAT) isolates

Andrejeva, Jelena; Merits, Andres; Kibe, Kristiina; Puurand, Ülo; Rabenstein, Frank; **Järvekülg, Lilian** 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. 51-54: ill

Molecular cloning, sequencing and homology studies of potato virus A (PVA) helper component gene from aphid transmissible (AT) and non-aphid transmissible (NAT) isolates

Andrejeva, Jelena; Merits, Andres; Kibe, Kristiina; Puurand, Ülo; Rabenstein, Frank; **Järvekülg, Lilian** International Symposium 75 Years of Phytopathological and Resistance Research at Aschersleben, 12-16 June, 1995, Aschersleben, Germany : programme, abstracts, list of participants 1995 / p. P3

Partially disordered structure in intravirus coat protein of potyvirus potato virus A

Ksenofontov, Alexander L.; **Paalme, Viuu; Rumvolt, Reet; Järvekülg, Lilian** PLoS ONE 2013 / p. 1-7 : ill

<https://doi.org/10.1371/journal.pone.0067830> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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/>

pH-метрическое титрование некоторых штаммов вируса X картофеля

Hödrejäv, Ulrich; Hödrejäv, Helvi Третья Всесоюзная конференция по аналитической химии : тезисы докладов : [в 2-х частях]. Ч. 1 1979 / с. 83-85 : ил https://www.ester.ee/record=b2633954*est

Potyvirus Potato Virus A coat protein posses unusual properties and forms short virus-like particles

Ksenofontov, Alexander L.; Dobrov, Eugeny N.; Fedorova, Natalia V.; Golanikov, A.; **Järvekülg, Lilian;** Baratova, Ludmila A.; Shtykova, E. 6th European Congress of Virology : Hamburg, Germany, October 19-22, 2016 : [abstracts] 2016 / p. 375

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 polypeptide 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/>

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.)

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

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

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

Study of the vector-transmission mechanism of potato virus A

Järvekülg, Lilian; Merits, Andres; Kibe, Kristiina; **Andrejeva, Jelena** VIth International Conference "Frontiers in Biochemistry and Molecular Biology the Legacy of Andrey Belozersky", Moscow, Russia, Dec. 18-23, 1995 1995 / 1 I

Subcellular localization of five potato virus A proteins

Truve, Erkki; Sarmiento Guerin, Maria Cecilia; Hunt, R.; **Merits, Andres; Paves, Heiti; Järvekülg, Lilian** Plant molecular biology reporter 2000 / p. S30-44

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/>

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/>

Viruses in Estonian seed potatoes : strains of Potato Virus Yn

Peterson, Piret; Järvekülg, Lilian 16th Triennial Meeting of the EAPR Virology section of the European Association of Potato Research & 8th Annual meeting of PVY wide organization : May 31 - June 3, 2016, Ljubljana, Slovenia 2016 / p. 217

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

Интеракция ионов меди(II) и цинка(II) с вирусом X картофеля

Hödrejärv, Ulrich; Hödrejärv, Helvi Eesti NSV Teaduste Akadeemia toimetised. Bioloogia = Известия Академии наук Эстонской ССР. Биология = Proceedings of Academy of Sciences of the Estonian SSR. Biology 1983 / с. 196-199 : ил
https://www.ester.ee/record=b1249384*est

Некоторые физико-химические свойства штаммов X-вируса картофеля, полученных путем электрофоретического фракционирования

Hödrejärv, Helvi; Olsper, K. Штаммы вирусов растений : Материалы Первого Всесоюзного совещания по штаммам вирусов растений. (23-27 октября 1975 г., Владивосток) : [Сборник статей] 1977 / с. 118-123