

ABCE proteins in plants

Jakobson, Liina; Möttöus, Jelena; Nigul, Lenne; Smolander, Olli-Pekka; Truve, Erkki; Sarmiento Guerin, Maria Cecilia 1st PlantEd Conference Plant Genome Editing - State of the Art, University of Novi Sad, Central Building, 5-7 November 2019 : proceedings 2019 / p. 49 <https://plantgenomeediting.eu/wp-content/uploads/Planted-Book-of-Abstracts-Nov-Sad-2019.pdf>

Alternative oxidase-mediated respiration prevents lethal mitochondrial cardiomyopathy

Rajendran, Jayasimman; Purhonen, Janne; Tegelberg, Saara; **Smolander, Olli-Pekka** EMBO Molecular Medicine 2019 / art. e9456, 19 p. : ill <https://doi.org/10.15252/emmm.201809456>

Cellular, extracellular and extracellular vesicular miRNA profiles of pre-ovulatory follicles indicate signaling disturbances in polycystic ovaries

Rooda, Ilmatar; Hasan, Mohammed Mehedi; **Roos, Kristine**; Viil, Janeli; **Smolander, Olli-Pekka**; **Velthut-Meikas, Agne** International journal of molecular sciences 2020 / art. 9550, 23 p. : ill <https://doi.org/10.3390/ijms21249550> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Droplet-based digital antibiotic susceptibility screen reveals singlecell clonal heteroresistance in an isogenic bacterial population

Scheler, Ott; Makuch, Karol; Debski, Pawel R.; **Smolander, Olli-Pekka** Scientific reports 2020 / art. 3282, 8 p. : ill <https://doi.org/10.1038/s41598-020-60381-z> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

ELIMÄKI Locus is required for vertical proprioceptive response in birch trees

Alonso-Serra, Juan; Shi, Xueping; Peaucelle, Alexis; **Smolander, Olli-Pekka** Current biology : CB 2020 / p. 589-599 <https://doi.org/10.1016/j.cub.2019.12.016> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Evolutionary origin of the P2X7 C-ter region : capture of an ancient ballast domain by a P2X4-Like gene in ancient jawed vertebrates

Rump, Airi; **Smolander, Olli-Pekka**; **Rüütel Boudinot, Sirje**; Kanellopoulos, Jean; Boudinot, Pierre Frontiers in immunology 2020 / art. 113, 15 p. : ill <https://doi.org/10.3389/fimmu.2020.00113> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

gapFinisher : a reliable gap filling pipeline for SSPACE-LongRead scaffolder output

Kammonen, Juhana I.; **Smolander, Olli-Pekka**; Paulin, Lars PLoS ONE 2019 / art. e0216885, 21 p. : ill <https://doi.org/10.1371/journal.pone.0216885> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Genome description of Phlebia radiata 79 with comparative genomics analysis on lignocellulose decomposition machinery of phlebioid fungi

Mäkinen, Mari; Kuuskeri, Jaana; Laine, Pia; **Smolander, Olli-Pekka** BMC genomics 2019 / art. 430, 22 p. : ill <https://doi.org/10.1186/s12864-019-5817-8> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Genomic alterations as independent prognostic factors to predict the type of lung cancer recurrence

Valter, A.; **Luhari, Laura**; Pisarev, Heti; Truumees, Birgit; Planken, A.; **Smolander, Olli-Pekka**; Oselin, K. Gene 2023 / art. 147690, 8 p. : ill <https://doi.org/10.1016/j.gene.2023.147690> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

High-throughput pipeline for polydisperse droplet analysis

Sanka, Immanuel; **Bartkova, Simona**; **Pata, Pille**; **Smolander, Olli-Pekka**; **Scheler, Ott** MicroTAS 2021 - 25th International Conference on Miniaturized Systems for Chemistry and Life Sciences 2021 / p. 563-564 https://microtas2021.org/program/MicroTAS2021_Program.pdf

Hsa-mir-548 family expression in human reproductive tissues

Rooda, Ilmatar; **Kaselt, Birgitta**; **Liivrand, Maria**; **Smolander, Olli-Pekka**; Salumets, Andres; **Velthut-Meikas, Agne** BMC Genomic Data 2021 / Art. 40 <https://doi.org/10.1186/s12863-021-00997-w> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Improved chromosome level genome assembly of the Glanville fritillary butterfly (Melitaea cinxia) based on SMRT Sequencing and linkage map

Blande, Daniel; **Smolander, Olli-Pekka**; Ahola, Virpi bioRxiv 2020 / 32 p <https://doi.org/10.1101/2020.11.03.364950>

Improved chromosome-level genome assembly of the Glanville fritillary butterfly (Melitaea cinxia) integrating Pacific Biosciences long reads and a high-density linkage map

Smolander, Olli-Pekka; Blande, Daniel; Ahola, Virpi; Rastas, Pasi; Tanskanen, Jaakko; Kammonen, Juhana I.; Oostra, Vicencio; Pellegrini, Lorenzo; Ilkonen, Suvi; Dallas, Tad GigaScience 2022 / art. giab097 <https://doi.org/10.1093/gigascience/giab097> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Investigation of different free image analysis software for high-throughput droplet detection

Sanka, Immanuel; **Bartkova, Simona**; **Pata, Pille**; **Smolander, Olli-Pekka**; **Scheler, Ott** ACS omega 2021 / p. 22625-22634 : ill <https://doi.org/10.1021/acsomega.1c02664> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Molecular profile of the rat peri-infarct region four days after stroke : Study with MANF

Teppo, Jaakko; Vaikkinen, Anu; Stratoulas, Vassilis; Mättik, Kert; **Smolander, Olli-Pekka** Experimental neurology 2020 / art. 113288, 19 p. : ill <https://doi.org/10.1016/j.expneurol.2020.113288> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Notum produced by Paneth cells attenuates regeneration of aged intestinal epithelium

Pentinmikko, Nalle; Igbal, Sharif; Mana, Miyeko; **Smolander, Olli-Pekka** Nature 2019 / p. 398–402, [12] p. : ill <http://dx.doi.org/10.1038/s41586-019-1383-0>

Red-brown pigmentation of acidipropionibacterium jensenii is tied to haemolytic activity and cyl-Like gene cluster

Smolander, Olli-Pekka; Deptula, Paulina; Loivamaa, Iida; Laine, Pia; Roberts, Richard J.; Piironen, Vieno; Paulin, Lars; Savijoki, Kirsi; Auvinen, Petri; Varmanen, Pekka Microorganisms 2019 / p. 15 p. : ill <https://doi.org/10.3390/microorganisms7110512> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Scientists seek quicker ways to identify chemical and biological weapons

Oidermaa, Jaan-Juhan news.err.ee 2023 [Scientists seek quicker ways to identify chemical and biological weapons](#)

Single-cell RNA-seq analysis and cell-cluster deconvolution of the human preovulatory follicular fluid cells provide insights into the pathophysiology of ovarian hyporesponse

Roos, Kristine; Rooda, Ilmatar; Keif, Robyn-Stefany; Liivrand, Maria; **Smolander, Olli-Pekka**; Salumets, Andres; **Velthut-Meikas, Agne** Frontiers in Endocrinology 2022 / art. 945347 <https://doi.org/10.3389/fendo.2022.945347> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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TalTech vastab globaasetele tulevikuväljakutsetele, hoolitsedes oma inimeste eest

Smolander, Olli-Pekka Mente et Manu 2022 / lk. 18-23 : fot https://www.ester.ee/record=b1242496*est

Tehnikaülikooli teadlased lähevad Euroopale appi – kuidas tuvastada biorelvi senisest kiiremini?

postimees.ee novaator.err.ee 2023 [Tehnikaülikooli teadlased lähevad Euroopale appi – kuidas tuvastada biorelvi senisest kiiremini? Eesti teadlased asuvad otsima võimalust keemia- ja biorelvade tuvastamiseks](#)

The transcription factor network of E. coli steers global responses to shifts in RNAP concentration

Almeida, Bilena L.B.; Bahrudeen, Mohamed N. M.; Chauhan, Vatsala; Dash, Suchintak; Kandavalli, Vinodh; Häkkinen, Antti; Lloyd-Price, Jason; Cristina, Palma S. D.; Baptista, Ines S. C.; **Smolander, Olli-Pekka** Nucleic acids research 2022 / p. 6801-6819 <https://doi.org/10.1093/nar/gkac540> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

User-friendly analysis of droplet array images

Sanka, Immanuel; Bartkova, Simona; Pata, Pille; Ernits, Mart; Meinberg, Monika Merje; Agu, Natali; Aruoja, Villem; **Smolander, Olli-Pekka**; **Scheler, Ott** Analytica chimica acta 2023 / art. 341397 <https://doi.org/10.1016/j.aca.2023.341397> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

User-friendly analysis of droplet experiments = Kasutajasõbralik tilga eksperimentide analüüs

Sanka, Immanuel 2023 <https://doi.org/10.23658/taltech.47/2023> <https://digikogu.taltech.ee/et/Item/ce878ea8-73e2-4f26-9026-f3b9d04a7291> https://www.ester.ee/record=b5638607*est

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Lukas, Mati; Joala, Epp; **Scheler, Ott**; Jõulu, Janno; **Smolander, Olli-Pekka**; Hitch, Michael William; Prashanth, Konda Gokuldoss; **Masso, Anu**; **Sinisalu, Algi** Mente et Manu 2018 / lk. 42-47 : portr http://www.ester.ee/record=b1242496*est <http://dea.digar.ee/publication/AKmenteetmanu> <https://taltech.ee/avalehekulg/?id=10641&category=128006#newsTabsMenu> https://artiklid.elnet.ee/record=b2866975*est

Эстонские ученые участвуют разработке способа выявления химического оружия

Oidermaa, Jaan-Juhan rus.err.ee 2023 [Эстонские ученые участвуют разработке способа выявления химического оружия](#)