

## **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](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](#)

### **TalTech osaleb esimese Eesti ülikoolina Euroopa Kaitsefondi projektis**

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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](https://www.ester.ee/record=b1242496*est)

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

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### **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](https://www.ester.ee/record=b5638607*est)

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### **Эстонские ученые участвуют разработке способа выявления химического оружия**

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