

**ABCE1 is a highly conserved RNA silencing suppressor : [journal article]**

**Kärblane, Kairi; Gerassimenko, Jelena; Nigul, Lenne; Piirsoo, Alla;** Smialowska, Agata; **Vinkel, Kadri;** Kylsten, Per; Ekwall, Karl; Swoboda, Peter; **Truve, Erkki; Sarmiento Guerin, Maria Cecilia** PLoS ONE 2015 / p. 1-17 : ill

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**ADP protects cardiac mitochondria under severe oxidative stress**

**Sokolova, Niina;** Pan, Shi; Provazza, Sarah; Beutner, Gisela; **Vendelin, Marko; Birkedal, Rikke;** Sheu, Shey-Shing PLoS ONE 2013 / art. e83214 <https://doi.org/10.1371/journal.pone.0083214> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#)

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**Alternative splicing targeting the hTAF4-TAFH domain of TAF4 represses proliferation and accelerates chondrogenic differentiation of human mesenchymal stem cells**

**Kazantseva, Jekaterina; Kivil, Anri;** Tints, Kairit; **Kazantseva, Anna;** Neuman, Toomas; **Palm, Kaia** PLoS ONE 2013 / art. e74799

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**Bioerosion of inorganic hard substrates in the Ordovician of Estonia (Baltica)**

Vinn, Olev; Wilson, Mark; **Toom, Ursula** PLoS ONE 2015 / art. e0134279, p. 1-17 : ill <https://doi.org/10.1371/journal.pone.0134279>

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**Changes in blood B cell-activating factor (BAFF) levels in multiple sclerosis : a sign of treatment outcome**

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**Changes in the transcriptome of the human endometrial Ishikawa cancer cell line induced by estrogen, progesterone, tamoxifen, and mifepristone (RU486) as detected by RNA-sequencing**

**Tamm-Rosenstein, Karin; Simm, Jaak; Suhorutšenko, Marina;** Salumets, Andres; **Metsis, Madis** PLoS ONE 2013 / p. 1-13 : ill

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**Characterization of the vaginal micro- and mycobiome in asymptomatic reproductive-age Estonian women**

**Drell, Tiina; Lillsaar, Triin; Tummleht, Lea; Simm, Jaak; Aaspõllu, Anu;** Väin, Edda; Saarma, Ivo; Salumets, Andres; Donders, Gilbert G. G.; **Metsis, Madis** PLoS ONE 2013 / p. 1-11 : ill <https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0054379>

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**Citizen science reveals unexpected continental-scale evolutionary change in a model organism**

Silvertown, Jonathan; Cook, Lawrence; Cameron, Robert; Dodd, Mike; McConway, Kevin; Worthington, Jenny; Skelton, Peter; Anton, Christian; Bossdorf, Oliver; Baur, Bruno; Schilthuizen, Menno; Fontaine, Benoit; Sattmann, Helmut; Bertorelle, Giorgio; Correia, Maria; Oliveira, Cristina; Pokryszko, Beata; Ozgo, Małgorzata; Stalažs, Arturs; Gill, Eoin; **Rammul, Üllar;** Sólymos, Peter; Féher, Zoltan; Juan, Xavier PLoS ONE 2011 / art. e18927, p. 1-8 <https://doi.org/10.1371/journal.pone.0018927>

**Combined action of albumin and heparin regulates lipoprotein lipase oligomerization, stability, and ligand interactions**

**Risti, Robert;** Gunn, Kathryn H.; Hiis-Hommuk, Kristofer; **Seeba, Natjan-Naatan; Karimi, Hamed; Villo, Ly; Vendelin, Marko;**

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**Communities of arbuscular mycorrhizal fungi detected in forest soil are spatially heterogeneous but do not vary throughout the growing season**

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**Comparison of the most likely low-emission electricity production systems in Estonia**

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**Consumer attitudes and concerns with bioplastics use: An international study**

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**Cross-bridge group ensembles describing cooperativity in thermodynamically consistent way**

**Kalda, Mari; Peterson, Pearu; Vendelin, Marko** PLoS ONE 2015 / p. 1-26 : ill <https://doi.org/10.1371/journal.pone.0137438>

**Detection and characterization of tick-borne encephalitis virus in Baltic Countries and Eastern Poland**

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**Detection and genetic characterization of relapsing fever spirochete *Borrelia miyamotoi* in Estonian ticks**  
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**Determination and production of antimicrobial compounds by *Aspergillus clavatonanicus* strain MJ31, an endophytic fungus from *Mirabilis jalapa* L. using UPLC-ESI-MS/MS and TD-GC-MS analysis**  
Mishra, Vineet Kumar; Passari, Ajit Kumar; Chandra, Preeti; Leo, Vincent Vineeth; Kumar, Brijesh; Uthandi, Sivakumar; Thankappan, Sugitha; **Gupta, Vijai Kumar**; Singh, Bhim Pratap PLoS ONE 2017 / art. e0186234, 24 p. <https://doi.org/10.1371/journal.pone.0186234>  
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**Developing a localized resilience assessment framework for historical districts: A case study of Yazd, Iran**  
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**Differential phosphorylation determines the repressor and activator potencies of GLI1 proteins and their efficiency in modulating the HPV life cycle**  
Piirsoo, Alla; **Pink, Anne**; **Kasak, Lagle**; Kala, Martin; Kasvandik, Sergo; Ustav, Mart; Piirsoo, Marko PLoS ONE 2019 / art. e0225775, 21 p. : ill <https://doi.org/10.1371/journal.pone.0225775> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Diversity and stability of lactic acid bacteria in rye sourdoughs of four bakeries with different propagation parameters**  
**Viiard, Ene**; **Bessmeltseva, Marianna**; **Simm, Jaak**; Talve, Tiina; **Aaspõllu, Anu**; **Paalme, Toomas**; **Sarand, Inga** PLoS ONE 2016 / art. e0148325 <https://doi.org/10.1371/journal.pone.0148325> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**EGFR signaling promotes  $\beta$ -cell proliferation and survivin expression during pregnancy**  
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**Endobiotic rugosan symbionts in stromatoporoids from the Sheinwoodian (Silurian) of Baltica**  
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**Enhancement of disease resistance, growth potential, and photosynthesis in tomato (*Solanum lycopersicum*) by inoculation with an endophytic actinobacterium, *Streptomyces thermocarboxydus* strain BPSAC147**  
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**Evolution of bacterial consortia in spontaneously started rye sourdoughs during two months of daily propagation**  
**Bessmeltseva, Marianna**; **Viiard, Ene**; **Simm, Jaak**; **Paalme, Toomas**; **Sarand, Inga** PLoS ONE 2014 / p. 1-12 : ill <https://doi.org/10.1371/journal.pone.0095449> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Exploring the conserved role of MANF in the unfolded protein response in *Drosophila melanogaster***  
Lindström, Riitta; Lindholm, Päivi; Kallijärvi, Jukka; **Palgi, Mari**; Saarma, Mart; Heino, Tapio I. PLoS ONE 2016 / art. e0151550, p. 1-18 : ill <https://doi.org/10.1371/journal.pone.0151550> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Fast shoreline erosion induced by ship wakes in a coastal lagoon : field evidence and remote sensing analysis**  
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**Fish under pressure : Examining behavioural responses of Iberian barbel under simulated hydropeaking with instream structures**  
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**4-pyridoxic acid in the spent dialysate : contribution to fluorescence and optical monitoring**  
**Kalle, Sigrid**; **Tanner, Risto**; **Arund, Jürgen**; **Tomson, Ruth**; **Luman, Merike**; **Fridolin, Ivo** PLoS ONE 2016 / art. e0162346, p. 1-11 : ill <https://doi.org/10.1371/journal.pone.0162346> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Functional diversity of human basic helix-loop-helix transcription factor TCF4 isoforms generated by alternative 5' exon usage and splicing**

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

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**Genetic assessment reveals no population substructure and divergent regional and sex-specific histories in the Chachapoyas from northeast Peru**

Guevara, Evelyn K.; Palo, Jukka U.; Översti, Sanni; King, Jonathan L.; Seidel, Maria; **Stoljarova, Monika; Wendt, Frank R.**; Bus, Magdalena M.; Guengerich, Anna; Church, Warren B. PLoS ONE 2020 / art. e0244497, 24 p. : ill

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**Global, regional, and national consumption of sugar-sweetened beverages, fruit juices, and milk : a systematic assessment of beverage intake in 187 countries**

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**High-throughput sequencing approach uncovers the miRNome of peritoneal endometriotic lesions and adjacent healthy tissues**

Saare, Merli; Rekker, Kadri; Laisk-Podar, Triin; Sõritsa, Deniss; Roost, Anne Mari; **Simm, Jaak; Velthut-Meikas, Agne**; Samuel, Külli; Metsalu, Tauno; Karro, Helle PLoS ONE 2014 / art. e112630, 9 p. : ill

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**Improving the reliability of underwater gait analysis using wearable pressure and inertial sensors**

**Monoli, Cecilia**; Galli, Manuela; **Tuhtan, Jeffrey Andrew** PLoS One 2024 / e0300100, 15 p

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**In situ fibrillizing amyloid-beta 1-42 induces neurite degeneration and apoptosis of differentiated SH-SY5Y cells**

**Krishtal, Jekaterina; Bragina, Olga; Metsla, Kristel; Palumaa, Peep; Tõugu, Vello** PLoS ONE 2017 / art. e0186636, 16 p. : ill

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**Increased biomass yield of Lactococcus lactis by reduced overconsumption of amino acids and increased catalytic activities of enzymes**

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**Inflation targeting or exchange rate targeting: Which framework supports the goal of price stability in emerging market economies?**

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**Integrated self-regulating resistive heating for isothermal nucleic acid amplification tests (NAAT) in Lab-on-a-Chip (LoC) devices**

**Pardy, Tamas**; Tulp, Indrek; Kremer, Clemens; **Rang, Toomas**; Stewart, Ray PLoS ONE 2017 / p. 1-11 : ill

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

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**Intronic L1 retrotransposons and nested genes cause transcriptional interference by inducing intron retention, exonization and cryptic polyadenylation**

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**Is fluorescence valid to monitor removal of protein bound uremic solutes in dialysis?**

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**Levan enhances associated growth of Bacteroides, Escherichia, Streptococcus and Faecalibacterium in fecal microbiota**

**Adamberg, Kaarel**; Tomson, Katrin; Talve, Tiina; Pudova, Ksenia; **Puurand, Marju**; Visnapuu, Triinu; Alamäe, Tiina; **Adamberg, Signe** PLoS ONE 2015 / p. 1-18 : ill <https://doi.org/10.1371/journal.pone.0144042>

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**Linking atmospheric, terrestrial and aquatic environments : Regime shifts in the Estonian climate over the past 50 years**

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**Modelling the influence of major baltic inflows on near-bottom conditions at the entrance of the Gulf of Finland**

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**Modulation of genetic associations with serum urate levels by body-mass-index in humans**

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**Near-bottom hypoxia impacts dynamics of bacterioplankton assemblage throughout water column of the Gulf of Finland (Baltic Sea)**

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**A novel feeder-free culture system for human pluripotent stem cell culture and induced pluripotent stem cell derivation**

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

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**Particle-cell contact enhances antibacterial activity of silver nanoparticles**

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**Rat and mouse cardiomyocytes show subtle differences in creatine kinase expression and compartmentalization**

**Branovets, Jelena; Soodla, Kärol; Vendelin, Marko; Birkedal Nielsen, Rikke** PLoS ONE 2023 / art. e0294718 <https://doi.org/10.1371/journal.pone.0294718> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Redox-specialized bacterioplankton metacommunity in a temperate estuary**

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**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](#)

**Self-employment convergence in Europe: The role of migration**

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**Soluble CD44 interacts with intermediate filament protein vimentin on endothelial cell surface**

**Päll, Taavi; Pink, Anne; Kasak, Lagle**; Turkina, Marina; Anderson, Wally; **Valkna, Andres; Kogerman, Priit** PLoS ONE 2011 / p. e29305 : ill

**Structural and functional insights into the reaction specificity of catalase-related hydroperoxide lyase : a shift from lyase activity to allene oxide synthase by site-directed mutagenesis**

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**The earliest giant Osprioneides borings from the sandbian (late ordovician) of Estonia**

Vinn, Olev; Wilson, Mark A.; **Mõtus, Mari-Ann** PLoS ONE 2014 / art. e99455, 6 p. : ill <https://doi.org/10.1371/journal.pone.0099455> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**The native copper- and zinc- binding protein metallothionein blocks copper-mediated A[ $\beta$ ] aggregation and toxicity in rat cortical neurons**

Chung, Roger S.; Howells, Claire; **Zovo, Kairit; Palumaa, Peep; Sillard, Rannar** PLoS ONE 2010 / 8, p. e12030 [11 p.]

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**Tight Coupling of Na<sup>+</sup>/K<sup>+</sup>-ATPase with glycolysis demonstrated in permeabilized rat cardiomyocytes**

**Sepp, Mervi; Sokolova, Niina; Jugai, Svetlana; Mandel, Merle; Peterson, Pearu; Vendelin, Marko** PLoS ONE 2014 / art. e99413 <https://doi.org/10.1371/journal.pone.0099413> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**The transcriptional repressor domain of Gli3 is intrinsically disordered**

**Tsanev, Robert; Vanatalu, Kalju;** Jarvet, Jüri; Tanner, Risto; **Laur, Kristi; Tiigimägi, Piret;** Kragelund, Birthe B.; Østerlund, Torben; **Kogerman, Priit** PLoS ONE 2013 / art. e76972 <https://doi.org/10.1371/journal.pone.0076972> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Up-regulated expression of AOS-LOXa and increased eicosanoid synthesis in response to coral wounding**

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**Using mixed methods to construct and analyze a participatory agent-based model of a complex Zimbabwean agro-pastoral system**

Eitzel, M.V.; Solera, Jon; Wilson, K.B.; Neves, Kleber; Fisher, Aaron C.; **Veski, André;** Omoju, Oluwasola E.; Ndlovu, Abraham Mawere; Hove, Emmanuel Mhike PLoS ONE 2020 / art. e0237638, 24 p. : ill <https://doi.org/10.1371/journal.pone.0237638> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)