

**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**

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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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**Chironomid-climate continentality conundrum**

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

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

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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**

Filho, Walter Leal; Barbir, Jelena; Abubakar, Ismaila Rimi; Paco, Arminda; Stasiskiene, Zaneta; Hornbogen, Marie; Fendt, Maren Theresa Christin; Voronova, Viktoria; Klõga, Marija PLoS ONE 2022 / art. e0266918 <https://doi.org/10.1371/journal.pone.0266918>

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

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

Katargina, Olga; Russakova, Stanislava; **Geller, Julia**; Kondrusik, Macije; Zajkowska, Joanna; Zygiute, Milda; Bormane, Antra; Trofimova, Julia; Golovljova, Irina PLoS ONE 2013 / art. e61374 <https://doi.org/10.1371/journal.pone.0061374> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### 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> <https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0268371> <https://www.scopus.com/record/display.uri?eid=2-s2.0-85131462947&origin=inward&txId=09dcb2e6296ce2f331ac4a8a8f9cf8d6> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Developing a localized resilience assessment framework for historical districts: A case study of Yazd, Iran

Moayedfar, Saeedeh; Mohebbi, Hossein; **Mozaffaree Pour, Najmeh**; Sharifi, Ayyoob PLoS ONE 2025 / art. e0317088 <http://doi.org/10.1371/journal.pone.0317088> <https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0317088>

### Differential phosphorylation determines the repressor and activator potencies of GLI1 proteins and their efficiency in modulating the HPV life cycle

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### Diversity and stability of lactic acid bacteria in rye sourdoughs of four bakeries with different propagation parameters

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### 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

Passari, Ajit Kumar; Upadhyaya, Kalidas; Singh, Garima; Abdel-Azeem, Ahmed M.; Thankappan, Sugitha; Uthandi, Sivakumar; Hashem, Abeer; **Abd-Allah, Elsayed Fathi**; **Malik, Jahangir Ahmed**; **As, Alqarawi** PLoS ONE 2019 / art. e0219014, 20 p. : ill <https://doi.org/10.1371/journal.pone.0219014> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Evolution of bacterial consortia in spontaneously started rye sourdoughs during two months of daily propagation

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### Exploring the conserved role of MANF in the unfolded protein response in *Drosophila melanogaster*

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### 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

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**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 scaffolder 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 <https://doi.org/10.1371/journal.pone.0112630> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

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

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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**

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**Intragenomic profiling using multicopy genes : the rDNA internal transcribed spacer sequences of the freshwater sponge Ephedratia 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> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Linking atmospheric, terrestrial and aquatic environments : Regime shifts in the Estonian climate over the past 50 years**  
Kotta, Jonne; Herkül, Kristjan; Jaagus, Jaak; Kaasik, Ants; Raudsepp, Urmas; Alari, Victor; Laanemets, Jaan; Maljutenko, Ilja; Männik, Aarne; Reihan, Alvina PLoS ONE 2018 / e0209568, 20 p. : ill <https://doi.org/10.1371/journal.pone.0209568> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**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**  
Huffman, Jennifer E.; Albrecht, Eva; Teumer, Alexander; Mangino, Massimo; Kapur, Karen; Johnson, Toby; Kutalik, Zoltán; Pirastu, Nicola; Pistis, Giorgio; Lopez, Lorna M.; Haller, Toomas; Salo, Perttu; Viigimaa, Margus PLoS ONE 2015 / art. e0119752 <https://doi.org/10.1371/journal.pone.0119752> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Near-bottom hypoxia impacts dynamics of bacterioplankton assemblage throughoutwater 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**  
Vuoristo, Sanna; Toivonen, Sanna; Weltner, Jere; Mikkola, Milla; Ustinov, Jarkko; Trokovic, Ras; Palgi, Jaan; Lund, Riikka; Tuuri, Timo; Otonkoski, Timo PLoS ONE 2013 / art. e76205 <https://doi.org/10.1371/journal.pone.0076205> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**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**  
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**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**  
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**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**

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

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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**

**Lõhelaid, Helike; Teder, Tarvi; Tõldsepp, Kadri;** Ekins, Merrick; **Samel, Nigulas** PLoS ONE 2014 / p. 1-9 : ill <https://doi.org/10.1371/journal.pone.0089215> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

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