ABCE1 is essential for S phase progression in human cells
Toompuu, Marina; **Kärblane, Kairi**; **Pata, Pille**; **Truve, Erkki**; **Sarmiento Guerin, Maria Cecilia** Cell Cycle 2016 / p. 1234 - 1247 https://doi.org/10.1080/15384101.2016.1160972 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Advancing drug–target interaction prediction: a comprehensive graph-based approach integrating knowledge graph embedding and ProtBert pretraining
Djeddi, Warith Eddine; Hermi, Khalil; **Ben Yahia, Sadok**; Diallo, Gayo BMC Bioinformatics 2023 / art. 488, 41 p.: ill https://doi.org/10.1186/s12859-023-05593-6 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Altered expression profile of igLON family of neural cell adhesion molecules in the dorsolateral prefrontal cortex of schizophrenic patients
Karis, Karina; Eskla, Kattri-Liis; Kaare, Maria; Täht, Karin; Tuusov, Jana; Visnapuu, Tanel; Innos, Jürgen; **Timmusk, Tõnis** Frontiers in Molecular Neuroscience 2018 / art. 8 https://doi.org/10.3389/fnmol.2018.00008 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Alternative splicing of DENND1A, a PCOS candidate gene, generates variant 2
Tee, Meng Kian; **Speek, Mart**; Legeza, Balazs Molecular and cellular endocrinology 2016 / p. 25-35 : ill https://doi.org/10.1016/j.mce.2016.06.011 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Amino acids are key substrates to Escherichia coli BW25113 for achieving high specific growth rate
Maser, Andres; **Peebo, Karl**; Vilu, Raivo; **Nahku, Ranno** Research in microbiology 2020 / p. 185−193 https://doi.org/10.1016/j.resmic.2020.02.001 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

An electrochemical biosensor for direct detection of hepatitis C virus
Antipchik, Mariia; Korzhikova-Vlakh, Evgenia; Polyakov, Dmitry; Tarasenko, Irina; **Reut, Jekaterina**; **Öpik, Andres**; **Sõritski, Vitali** Analytical Biochemistry 2021 / art. 114196 https://doi.org/10.1016/j.ab.2021.114196 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Antifungal agents in agriculture : friends and foes of public health
Brauer, Veronica Soares; Rezende, Caroline Patini; Pessoni, Andre Moreira; De Paula, Renato Graciano; Rangappa, Kanchugarakoppal S.; Nayaka, Siddaiah Chandra; **Gupta, Vijai Kumar**; Almeida, Fausto Biomolecules 2019 / art. 521 https://doi.org/10.3390/biom9100521 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Apolipoprotein C-II : the re-emergence of a forgotten factor
Wolska, Anna; **Reimund, Mart**; Remaley, Alan T. Current opinion in lipidology 2020 / p. 147-153 https://doi.org/10.1097/MOL.0000000000000680 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Apolipoprotein C-II mimetic peptide is an efficient activator of lipoprotein lipase in human plasma as studied by a calorimetric approach
Reimund, Mart; Wolska, Anna; **Risti, Robert**; Wilson, Sierra; Sviridov, Denis O.; Remaley, Alan T.; **Lõokene, Aivar** Biochemical and biophysical research communications 2019 / p. 67-72 https://doi.org/10.1016/j.bbrc.2019.08.130 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Apolipoproteins C-I and C-III inhibit lipoprotein lipase activity by displacement of the enzyme from lipid droplets
Larsson, Mikael; Vorrsjö, Evelina; Talmund, Philippa; **Lõokene, Aivar**; Olivecrona, Gunilla Journal of biological chemistry 2013 / p. 33997-34008 : ill https://doi.org/10.1074/jbc.M113.495366 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

ATP7A-dependent copper sequestration contributes to termination of β-CATENIN signaling during early adipogenesis
Yang, Haojun; **Kabin, Ekaterina**; Dong, Yixuan; Zhang, X.; Ralle, Martina; Lutsenko, Svetlana Molecular metabolism 2024 / art. 101872, 12 p. : ill https://doi.org/10.1016/j.molmet.2024.101872 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Author Correction : DOME : recommendations for supervised machine learning validation in biology
Walsh, Ian; Fishman, Dmytro; Garcia-Gasulla, Dario; **Titma, Tiina**; Pollastri, Gianluca Nature methods 2021 / p. 1409–1410 : ill https://doi.org/10.1038/s41592-021-01304-2 Journal metrics at Scopus Article at Scopus

Author Correction: SciPy 1.0 : fundamental algorithms for scientific computing in Python (Nature Methods, (2020), 17, 3, (261-272), 10.1038/s41592-019-0686-2)
Virtanen, Pauli; Gommers, Ralf; Oliphant, Travis E.; Haberland, Matt; Reddy, Tyler; Cournapeau, David; Burovski, Evgeni; **Peterson, Pearu**; Weckesser, Warren; Bright, Jonathan Nature Methods 2020 / p. 352 https://doi.org/10.1038/s41592-020-0772-5 Journal metrics at Scopus Article at Scopus Journal metrics at WOS

Bioinspired and multifunctional tribological materials for sliding, erosive, machining, and energy-absorbing conditions : A review
Kumar, Rahul, 1993-; **Rezapourianghahfarokhi, Mansoureh**; Rahmani Ahranjani, Ramin; **Maurya, Himanshu Singh**; **Kamboj,**

Nikhil Kumar; **Hussainova, Irina** Biomimetics 2024 / art. 209 https://doi.org/10.3390/biomimetics9040209 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Bioinspired whisker sensor for 3D mapping of underground mining environments
Gomez, Virgilio; **Remmas, Mohamed Walid**; Hernando, Miguel; **Ristolainen, Asko**; Rossi, Claudio Biomimetics 2024 / art. 83 https://doi.org/10.3390/biomimetics9020083 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

The biomolecular spectrum drives microbial biology and functions in agri-food-environments
Sharma, Minaxi; Singh, Dhananjaya Pratap; Rangappa, Kanchugarakoppal S.; Stadler, Marc; Mishra, Pradeep Kumar; Silva, Roberto Nascimento; Prasad, Ram; **Gupta, Vijai Kumar** Biomolecules 2020 / art. 401 https://doi.org/10.3390/biom10030401 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Biophysical studies of the amyloid beta-peptide : interactions with metal ions and small molecules
Wärmländer, Sebastian K.T.S.; **Tiiman, Ann**; Abelein, Axel Chembiochem : a European journal of chemical biology 2013 / p. 1692-1704 : ill https://doi.org/10.1002/cbic.201300262 Journal metrics at Scopud Article at Scopus Journal metrics at WOS Article at WOS

Bovine sperm plasma membrane proteomics through biotinylation and subcellular enrichment
Kasvandik, Sergo; Sillaste, Gerly; **Velthut-Meikas, Agne**; Mikelsaar, Aavo-Valdur; Hallap, Triin; Padrik, Peeter; Tenson, Tanel; Jaakma, Ülle; Kõks, Sulev; Salumets, Andres Proteomics 2015 / p. 1906 - 1920 https://doi.org/10.1002/pmic.201400297 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Calorimetric approach for comparison of Angiopoietin-like protein 4 with other pancreatic lipase inhibitors
Villo, Ly; **Risti, Robert**; **Reimund, Mart**; **Kukk, Kaia**; **Samel, Nigulas**; **Lõokene, Aivar** Biochimica et Biophysica Acta (BBA) - Molecular and Cell Biology of Lipids 2020 / art. 158553, 12 p. : ill https://doi.org/10.1016/j.bbalip.2019.158553 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Candidate cancer driver mutations in distal regulatory elements and long-range chromatin interaction networks
Zhu, Helen; **Uusküla-Reimand, Liis**; Isaev, Keren; Wadi, Lina; Alizada, Azad; Shuai, Shimin; Huang, Vincent; Aduluso-Nwaobasi, Dike; Paczkowska, Marta; Abd-Rabbo, Diala; Ocsenas, Oliver; Liang, Minggao; Thompson, J. Drew; Li, Yao; Ruan, Luyao; Krassowski, Michal; Dzneladze, Irakli; Simpson, Jared T.; Lupien, Mathieu; Stein, Lincoln D.; Boutros, Paul C.; Wilson, Michael D.; Reimand, Jüri Molecular Cell 2020 / p. 1307-1321.e10 https://doi.org/10.1016/j.molcel.2019.12.027 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Carbon sources influence Fumonisin production in Fusarium proliferatum
Li, Taotao; Gong, Liang; Jiang, Guoxiang; Wang, Yong; **Gupta, Vijai Kumar**; Qu, Hongxia; Duan, Xuewu; Wang, Jiasheng; Jiang, Yueming Proteomics 2017 / art. 1700070, 15 p. : ill https://doi.org/10.1002/pmic.201700070 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Caseins from bovine colostrum and milk strongly bind piscidin-1, an antimicrobial peptide from fish
Kütt, Mary-Liis; Stagsted, Jan International journal of biological macromolecules 2014 / p. 364-372 : ill https://doi.org/10.1016/j.ijbiomac.2014.06.063 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

A catalase-related hemoprotein in coral is specialized for synthesis of short-chain aldehydes : discovery of P450-type hydroperoxide lyase activity in a catalase
Teder, Tarvi; **Lõhelaid, Helike**; Boeglin, William E.; Calcutt, Wade M.; Brash, Alan R.; **Samel, Nigulas** Journal of biological chemistry 2015 / p. 19823-19832 : ill https://doi.org/10.1074/jbc.M115.660282 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

The CB_1 cannabinoid receptor signals striatal neuroprotection via a PI3K/Akt/mTORC1/BDNF pathway
Blazquez, C.; Chiarlone, A.; **Pruunsild, Priit**; **Timmusk, Tõnis** Cell death and differentiation 2015 / p. 1618-1629 : ill https://doi.org/10.1038/cdd.2015.11 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Cell type-specific labelling of newly synthesized proteins by puromycin inactivation
Cabrera-Cabrera, Florencia; **Tull, Helena**; **Capuana, Roberta**; Kasvandik, Sergo; **Timmusk, Tõnis**; **Koppel, Indrek** Journal of biological chemistry 2023 / art. 105129, 12 p. : ill https://doi.org/10.1016/j.jbc.2023.105129 Journal metrics at Scopus Article at Scopus

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

Characterization of new allele influencing flowering time in bread wheat introgressed from Triticum militinae
Ivaničova, Zuzana; **Jakobson, Irena**; **Reis, Diana**; **Järve, Kadri** New biotechnology 2016 / p. 718-727 : ill https://doi.org/10.1016/j.nbt.2016.01.008 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Chrysophanol : a natural anthraquinone with multifaceted biotherapeutic potential
Prakteeksha; Yusuf, Mohd Aslam; Singh, Brahma Nand; **Sudheer, Surya**; **Gupta, Vijai Kumar** Biomolecules 2019 / art. 68, 24 p. : ill https://doi.org/10.3390/biom9020068 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Comparing PCR-generated artifacts of different polymerases for improved accuracy of DNA metabarcoding
Nagai, Satoshi; **Sildever, Sirje**; Nishi, Noriko Metabarcoding and metagenomics 2022 / art. e77704
https://doi.org/10.3897/mbmg.6.77704 Journal metrics at Scopus Article at Scopus

Compartmentalization in cardiomyocytes modulates creatine kinase and adenylate kinase activities
Birkedal, Rikke; **Branovets, Jelena**; **Vendelin, Marko** FEBS letters 2024 / p. 2623-2640 https://doi.org/10.1002/1873-3468.14994 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

A computational approach to study functional monomer–protein molecular interactions to optimize protein molecular imprinting
Borozņjak, Roman; **Reut, Jekaterina**; **Tretjakov, Aleksei**; **Lomaka, Andre**; **Öpik, Andres**; **Sõritski, Vitali** Journal of molecular recognition 2017 / art. e2635, p. 1-9 : ill https://doi.org/10.1002/jmr.2635 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

A conserved π-cation and an electrostatic bridge are essential for 11R-lipoxygenase catalysis and structural stability
Eek, Priit; **Piht, Mari-Ann**; Rätsep, Margus; Freiberg, Arvi; **Järving, Ivar**; **Samel, Nigulas** Biochimica et Biophysica Acta (BBA) - Molecular and Cell Biology of Lipids 2015 / p. 1377-1382 : ill https://doi.org/10.1016/j.bbalip.2015.07.007 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Copper chaperones. The concept of conformational control in the metabolism of copper
Palumaa, Peep FEBS letters 2013 / p. 1902-1910 : ill Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Correction to: Advancing drug–target interaction prediction: a comprehensive graph-based approach integrating knowledge graph embedding and ProtBert pretraining (BMC Bioinformatics, (2023), 24, 1, (488), 10.1186/s12859-023-05593-6)
Djeddi, Warith Eddine; Hermi, Khalil; **Ben Yahia, Sadok**; Diallo, Gayo BMC Bioinformatics 2024 / art. 289
https://doi.org/10.1186/s12859-024-05905-4 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

A COST Action on microbial responses to low pH : developing links and sharing resources across the academic-industrial divide
Azizi, Tamir; Carvalho De Araujo, Laurine; Cetecioglu, Zeynep; Clancy, Aisha J.; Feger, Marie L.; Liran, Oded; O'Byrne, Conor; **Sanka, Immanuel**; **Scheler, Ott**; Sedlakova-Kadukova, Jana; Ziv, Carmit; De Biase, Daniela; Lund, Peter A. New biotechnology 2022 / p. 64-70 https://doi.org/10.1016/j.nbt.2022.09.002 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Cryo-protective effect of an ice-binding protein derived from Antarctic bacteria
Mangiagalli, Marco; Bar-Dolev, Maya; Tedesco, Pietro; Natalello, Antonino; **Kaleda, Aleksei** The FEBS journal 2017 / p. 163-177 : ill https://doi.org/10.1111/febs.13965 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at Scopus

Cytological characterization and allelism testing of anther developmental mutants identified in a screen of maize male sterile lines
Timofejeva, Ljudmilla; Skibbe, David; Lee, Sidae G3 : genes, genomes, genetics 2013 / p. 231-249 : ill
https://doi.org/10.1534/g3.112.004465 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Cytosporone B as a biological preservative: purification, fungicidal activity and mechanism of action against geotrichum citri-aurantii
Yin, Chunxiao; Liu, Hongxin; Shan, Yang; **Gupta, Vijai Kumar**; Jiang, Yueming; Zhang, Weimin; Tan, Haibo; Gong, Liang Biomolecules 2019 / Art. nr. 125 https://doi.org/10.3390/biom9040125 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Determination of carcinoembryonic antigen as a tumor marker using a novel graphene-based label-free electrochemical immunosensor
Jozghorbani, Maryam; Fathi, Mojtaba; Kazemi, Sayed Habib; **Alinejadian, Navid** Analytical biochemistry 2021 / art. 114017
https://doi.org/10.1016/j.ab.2020.114017 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Differential susceptibility of catheter biomaterials to biofilm-associated infections and their remedy by drug-encapsulated eudragit RL100 nanoparticles
Pandey, Vivek Kumar; Srivastava, Kumar Rohit; Ajmal, Gufran; Thakur, Vijay Kumar; **Gupta, Vijai Kumar**; Upadhyay, Siddh Nath; Mishra, Pradeep Kumar International Journal of Molecular Sciences 2019 / Art. nr. 5110 https://doi.org/10.3390/ijms20205110 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Distinct characteristics of the substrate binding between highly homologous catalase-related allene oxide synthase and hydroperoxide lyase
Teder, Tarvi; **Samel, Nigulas**; **Lõhelaid, Helike** Archives of biochemistry and biophysics 2019 / art. 108126, 10 p. : ill https://doi.org/10.1016/j.abb.2019.108126 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Diversity in TAF proteomics : consequences for cellular differentiation and migration
Kazantseva, Jekaterina; **Palm, Kaia** International journal of molecular sciences 2014 / p. 16680-16697 : ill https://doi.org/10.3390/ijms150916680 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

DOME : recommendations for supervised machine learning validation in biology
Walsh, Ian; Fishman, Dmytro; Garcia-Gasulla, Dario; **Titma, Tiina**; Pollastri, Gianluca; Harrow, Jennifer; Psomopoulos, Fotis E.; Tosatto, Silvio C. E. Nature methods 2021 / p. 1122–1127 https://doi.org/10.1038/s41592-021-01205-4 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Dual ELISA using SARS-CoV-2 N protein produced in E. coli and CHO cells reveals epitope masking by N-glycosylation
Rump, Airi; **Risti, Robert**; Kristal, Mai-Ly; **Reut, Jekaterina**; **Sõritski, Vitali**; **Lõokene, Aivar**; **Rüütel Boudinot, Sirje** Biochemical and biophysical research communications 2021 / p. 457−460 https://doi.org/10.1016/j.bbrc.2020.11.060 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Dye-decolorizing peroxidase of Thermobifida halotolerance displays complex kinetics with both substrate inhibition and apparent positive cooperativity
Pupart, Hegne; **Lukk, Tiit**; Väljamäe, Priit Archives of biochemistry and biophysics 2024 / art. 109931, 11 p. : ill https://doi.org/10.1016/j.abb.2024.109931 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effect of agitation on the peptide fibrillization: Alzheimer's amyloid- b peptide 1-42 but not amylin and insulin fibrils can grow under quiescent conditions
Tiiman, Ann; **Noormägi, Andra**; **Friedemann, Merlin**; **Krištal, Jekaterina**; **Palumaa, Peep**; Tõugu, Vello Journal of peptide science 2013 / p. 386-391 : ill https://doi.org/10.1002/psc.2513 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Efficacy and epigenetic interactions of novel DNA hypomethylating agent guadecitabine (SGI-110) in preclinical models of hepatocellular carcinoma
Jueliger, Simone; Lyons, John; Cannito, Sara; **Pata, Illar**; **Pata, Pille**; **Školnaja, Marianna** Epigenetics 2016 / p. 709-720 : ill https://doi.org/10.1080/15592294.2016.1214781 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Electrochemical functionalization of gold and silicon surfaces by a maleimide group as a biosensor for immunological application
Zhang, Xin; **Tretjakov, Aleksei**; Hovestädt, Marc; Sun, Guoguang; **Sõritski, Vitali**; **Reut, Jekaterina**; Volkmer, Rudolf; Hinrichs, Karsten; Rappich, Jörg Acta biomaterialia 2013 / p. 5838-5844 : ill https://doi.org/10.1016/j.actbio.2012.10.022 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Escherichia coli achieves faster growth by increasing catalytic and translation rates of proteins
Valgepea, Kaspar; **Adamberg, Kaarel**; Seiman, Andrus; **Vilu, Raivo** Molecular biosystems 2013 / p. 2344-2358 : ill https://doi.org/10.1039/c3mb70119k Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Evidence for two distinct binding sites for lipoprotein lipase on glycosylphosphatidylinositol-anchored high density lipoprotein-binding protein 1 (GPIHBP1)
Reimund, Mart; Larsson, Mikael; Kovrov, Oleg; Kasvandik, Sergo; Olivecrona, Gunilla; **Lõokene, Aivar** Journal of biological chemistry 2015 / p. 13919-13934 : ill https://doi.org/10.1074/jbc.M114.634626 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Expression of alternative transcription factor 4 mRNAs and protein isoforms in the developing and adult rodent and human tissues
Sirp, Alex; **Shubina, Anastassia**; **Tuvikene, Jürgen**; **Tamberg, Laura**; **Kiir, Carl Sander**; **Kranich, Laura**; **Timmusk, Tõnis** Frontiers in Molecular Neuroscience 2022 / art. 1033224 https://doi.org/10.3389/fnmol.2022.1033224 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Forkhead transcription factor FOXO3a levels are increased in Huntington disease because of overactivated positive autofeedback loop
Kannike, Kaja; **Sepp, Mari**; Zuccato, Chiara; Cattaneo, Elena; **Timmusk, Tõnis** Journal of biological chemistry 2014 / p. 32845-32857 : ill https://doi.org/10.1074/jbc.M114.612424 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Formulation of active food packaging by design: Linking composition of the film-forming solution to properties of the chitosan-based film by response surface methodology (RSM) modelling
Bajić, Marijan; Oberlintner, Ana; **Kõrge, Kristi**; Likozar, Blaž; Novak, Uroš International Journal of Biological Macromolecules 2020 / p. 971 - 978 https://doi.org/10.1016/j.ijbiomac.2020.05.186 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at

WOS

Functional consequences of TCF4 missense substitutions associated with Pitt-Hopkins syndrome, mild intellectual disability, and schizophrenia
Sirp, Alex; **Roots, Kaisa**; **Nurm, Kaja**; **Tuvikene, Jürgen**; **Sepp, Mari**; **Timmusk, Tõnis** The journal of biological chemistry 2021 / art. 101381 https://doi.org/10.1016/j.jbc.2021.101381 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

A fungal catalase reacts selectively with the 13S fatty acid hydroperoxide products of the adjacent lipoxygenase gene and exhibits 13S-hydroperoxide-dependent peroxidase activity
Teder, Tarvi; Boeglin, William E.; Schneider, Claus; Brash, Alan R. Biochimica et Biophysica Acta (BBA) - molecular and cell biology of lipids 2017 / p. 706-715 : ill https://doi.org/10.1016/j.bbalip.2017.03.011 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Gene expression profiling of puberty-associated genes reveals abundant tissue and sex-specific changes across postnatal development
Hou, Huayun; **Uusküla-Reimand, Liis**; Makarem, Maisam; Corre, Christina; Saleh, Shems; Metcalf, Ariane; Goldenberg, Anna; Palmert, Mark R.; Wilson, Michael D. Human molecular genetics 2017 / p. 3585-3599 : ill https://doi.org/10.1093/hmg/ddx246 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Genome-scale metabolic modeling reveals metabolic trade-offs associated with lipid production in Rhodotorula toruloides
Reķena, Alina; Pinheiro, Marina J.; **Bonturi, Nemailla**; **Belouah, Isma**; Tammekivi, Eliise; Herodes, Koit; Kerkhoven, Eduard J.; **Lahtvee, Petri-Jaan** PLoS computational biology 2023 / art. e1011009 https://doi.org/10.1371/journal.pcbi.1011009 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

GLI2 cell-specific activity is controlled at the level of transcription and RNA processing : consequences to cancer metastasis
Sadam, Helle; Liivas, Urmas; **Kazantseva, Anna**; **Pruunsild, Priit**; Kazantseva, Jekaterina; **Timmusk, Tõnis**; Neuman, Toomas; **Palm, Kaia** Biochimica et Biophysica Acta - Molecular Basis of Disease 2016 / p. 46 - 55 https://doi.org/10.1016/j.bbadis.2015.10.008 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Global sampling of plant roots expands the described molecular diversity of arbuscular mycorrhizal fungi
Öpik, Maarja; Zobel, Martin; **Metsis, Madis** Mycorrhiza 2013 / p. 411-430 : ill https://doi.org/10.1007/s00572-013-0482-2 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Gly188Arg substitution eliminates substrate inhibition in arachidonate 11R-lipoxygenase
Põldemaa, Kaspar; **Lipp, Maarja**; **Järving, Ivar**; **Samel, Nigulas**; **Eek, Priit** Biochemical and biophysical research communications 2019 / p. 81-85 : ill https://doi.org/10.1016/j.bbrc.2019.08.132 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Graphene oxide-terminated hyperbranched amino polymer-carboxymethyl cellulose ternary nanocomposite for efficient removal of heavy metals from aqueous solutions
Kong, Qiaoping; **Preis, Sergei**; Li, Leli; Luo, Pei; Hua, Yun; Wei, Chaohai International journal of biological macromolecules 2020 / p. 581−592 : ill https://doi.org/10.1016/j.ijbiomac.2020.01.185 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Identification of a small molecule that stabilizes lipoprotein lipase in vitro and lowers triglycerides in vivo
Larsson, Mikael; Caraballo, Remi; **Lookene, Aivar** Biochemical and biophysical research communications 2014 / p. 1063-1069 : ill https://doi.org/10.1016/j.bbrc.2014.06.114 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Increased striatal VMAT2 binding in mice after chronic administration of methcathinone and manganese
Asser, Andres; Kõks, Sulev; Snellman, Anniina; Haaparanta-Solin, Merja; Arponen, Eveliina; Grönroos, Tove; **Nairismägi, Jaak**; Bergquist, Jonas; Soomets, Ursel; Piip, Piret; Eltermaa, Mall Brain Research 2016 / p. 97 - 102 https://doi.org/10.1016/j.brainres.2016.09.034 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Integrated transcriptomic, proteomic, and metabolomics analysis reveals peel ripening of harvested banana under natural condition
Yun, Ze; Li, Taotao; Gao, Huijun; Zhu, Hong; **Gupta, Vijai Kumar**; Jiang, Yueming; Duan, Xuewu Biomolecules 2019 / Art. nr. 167 https://doi.org/10.3390/biom9050167 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Integrating gene and protein expression data with genome-scale metabolic networks to infer functional pathways
Pey, Jon; **Valgepea, Kaspar**; Rubio, Angel; Beasley, John E; Planes, Francisco Javier BMC Systems Biology 2013 / art. 134 https://doi.org/10.1186/1752-0509-7-134 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Interactome rewiring following pharmacological targeting of BET bomodomains
Lambert, Jean-Philippe; Picaud, Sarah; Fujisawa, Takao; **Uusküla-Reimand, Liis** Molecular cell 2019 / p. 621-638.e17 : ill https://doi.org/10.1016/j.molcel.2018.11.006 Jornal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Involvement of Escherichia coli YbeX/CorC in ribosomal metabolism
Sarıgül, İsmail; Žukova, Amata; Alparslan, Emel; Remm, Sille; **Pihlak, Margus**; Kaldalu, Niilo; Tenson, Tanel; Maiväli, Ülo Molecular Microbiology 2024 / p. 984 - 1001 https://doi.org/2-s2.0-85188420785 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Leptin increases hepatic triglyceride export via a vagal mechanism in humans
Metz, Matthäus; Beghini, Marianna; Wolf, Peter; Pfleger, Lorenz; Hackl, Martina; Bastian, Magdalena; Freudenthaler, Angelika; Harreiter, Jürgen; **Risti, Robert**; **Lõokene, Aivar** Cell Metabolism 2022 / p. 1719-1731 https://doi.org/10.1016/j.cmet.2022.09.020 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

LXXLL peptide converts transportan 10 to a potent inducer of apoptosis in breast cancer cells
Tints, Kairit; Prink, Madis; Neuman, Toomas; **Palm, Kaia** International journal of molecular sciences 2014 / p. 5680-5698 : ill https://doi.org/10.3390/ijms15045680 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Melinacidin-producing Acrostalagmus luteoalbus, a major constituent of mixed mycobiota contaminating insulation material in an outdoor wall
Andersson, Maria A.; Salo, Johanna; Mikkola, Raimo; Marik, Tamas; Kredics, Laszlo; **Kurnitski, Jarek**; Salonen, Heidi Pathogens 2021 / art. 843 https://doi.org/10.3390/pathogens10070843 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Mercury and Alzheimer's disease: Hg(II) ions display specific binding to the amyloid-β peptide and hinder its fibrillization
Wallin, Cecilia; **Friedemann, Merlin**; Sholts, Sabrina B.; **Noormägi, Andra**; Svantesson, Teodor; Järvet, Jüri; Roos, Per M.; **Palumaa, Peep**; Gräslund, Astrid; Wärmländer, Sebastian K.T.S. Biomolecules 2020 / art. 44, 23 p. : ill https://doi.org/10.3390/biom10010044 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

A meta-analysis of gene expression signatures of blood pressure and hypertension
Huan, Tianxiao; Esko, Tõnu; Peters, Marjolein J.; Pilling, Luke C.; Schramm, Katharina; Schurmann, Claudia; Chen, Brian H.; Liu, Chunyu; Joehanes, Roby; Johnson, Andrew D.; **Viigimaa, Margus** PLoS Genetics 2015 / art. e1005035 https://doi.org/10.1371/journal.pgen.1005035 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Metals in ALS TDP-43 pathology
Koski, Lassi; Ronnevi, Cecilia; **Berntsson, Elina**; Wärmländer, Sebastian K.T.S.; Roos, Per M. International Journal of Molecular Sciences 2021 / Art. nr. 12193 https://doi.org/10.3390/ijms222212193 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Microbial beta glucosidase enzymes : recent advances in biomass conversation for biofuels application
Srivastava, Neha; Rathour, Rishabh; Jha, Sonam; Pandey, Karan; Srivastava, Manish; Thakur, Vijay Kumar; Sengar, Rakesh Singh; **Gupta, Vijai Kumar**; Mazumder, Pranab Behari; Khan, Ahamad Faiz; Mishra, Pradeep Kumar Biomolecules 2019 / art. 220 https://doi.org/10.3390/biom9060220 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Microbiome interconnectedness throughout environments with major consequences for healthy people and a healthy planet
Sessitsch, Angela; Wakelin, Steve; Schloter, Michael; Maguin, Emmanuelle; Cernava, Tomislav; Champomier-Verges, Marie-Christine; Charles, Trevor C.; Cotter, Paul D.; Ferrocino, Ilario; Kriaa, Aicha; Lebre, Pedro; Cowan, Don; Lange, Lene; Kiran, Seghal; Markiewicz, Lidia; Meisner, Annelein; Olivares, Marta; **Sarand, Inga**; Schelkle, Bettina; Selvin, Joseph; Smidt, Hauke; van Overbeek, Leo; Berg, Gabriele; Cocolin, Luca; Sanz, Yolanda; Fernandes, Wilson Lemos; Liu, S. J.; Ryan, Matthew; Singh, Brajesh; Kostic, Tanja Microbiology and molecular biology reviews 2023 https://doi.org/10.1128/mmbr.00212-22 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Molecular mechanism of mitoquinol mesylate in mitigating the progression of hepatocellular carcinoma - in silico and in vivo studies
Sulaimon, Lateef Adegboyega; Adisa, Rahmat Adetutu; Samuel, Titilola Aderonke; Joel, Ireoluwa Yinka; **Ayankojo, Akinrinade George**; Abdulkareem, Fatimah Biade; Olaniyi, Timothy Olajire Journal of Cellular Biochemistry 2021 / p. 1157-1172 https://doi.org/10.1002/jcb.29937 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Monitoring harmful microalgal species and their appearance in Tokyo Bay, Japan, using metabarcoding
Sildever, Sirje; Nishi, Noriko; Inaba, Nobuharu; Asakura, Taiga; Kikuchi, Jun; Asano, Yasuhito; Kobayashi, Takanori; Gojobori, Takashi; Nagai, Satoshi Metabarcoding and metagenomics 2022 / art. e79471 https://doi.org/10.3897/mbmg.6.79471 Journal metrics at Scopus Article at Scopus

Mucin utilization by gut microbiota : recent advances on characterization of key enzymes
Raba, Grete; Luis, Ana S. Essays in Biochemistry 2023 / p. 345–353 : ill https://doi.org/10.1042/EBC20220121 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

NMR assignment of methyl groups in immobilized proteins using multiple-bond 13C homonuclear transfers, proton detection, and very fast MAS
Paluch, Piotr; Augusyniak, Rafal; **Org, Mai-Liis**; **Vanatalu, Kalju**; **Kaldma, Ats**; **Samoson, Ago**; Stanek, Jan Frontiers in Molecular Biosciences 2022 / Art. 828785 https://doi.org/10.3389/fmolb.2022.828785 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Non-invasive assessment of skin surface proteins of psoriasis vulgaris patients in response to biological therapy
Orro, Kadri; Salk, Kristiina; Merkulova, Anna; Abram, Kristi; Karelson, Maire; Traks, Tanel; Neuman, Toomas; Spee, Pieter; Kingo, Külli International Journal of Molecular Sciences 2023 / art. 16248 https://doi.org/10.3390/ijms242216248 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Non-toxic and ultra-small biosilver nanoclusters trigger apoptotic cell death in fluconazole-resistant Candida albicans via Ras signaling
Prakteeksha; Singh, Braj R.; **Gupta, Vijai Kumar**; Deeba, Farah; Gathergood, Nicholas Biomolecules 2019 / art. 47, 23 p. : ill https://doi.org/10.3390/biom9020047 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Novel membrane-associated prostaglandin E synthase-2 from crustacean arthropods
Hansen, Kristella; **Varvas, Külliki**; **Järving, Ivar**; **Samel, Nigulas** Comparative biochemistry and physiology. Part B, Biochemistry and molecular biology 2014 / p. 45-52 : ill https://doi.org/10.1016/j.cbpb.2014.05.004 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Nucleolar enrichment of brain proteins with critical roles in human neurodevelopment
Slomnicki, Lukasz P.; Malinowska, Agata; **Sepp, Mari**; **Timmusk, Tõnis** Molecular & cellular proteomics 2016 / p. 2055-2075 https://doi.org/10.1074/mcp.M115.051920 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

P75 neurotrophin receptor signaling activates sterol regulatory element-binding protein-2 in hepatocyte cells via p38 mitogen-activated protein kinase and caspase-3
Pham, Dan Duc; Do, Hai Thi; Bruelle, Céline; Kukkonen, Jyrki P.; Eriksson, Ove; Mogollón, Isabel; Korhonen, Laura T.; **Arumäe, Urmas**; Lindholm, Dan Journal of Biological Chemistry 2016 / p. 10747 - 10758 https://doi.org/10.1074/jbc.M116.722272 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

PCSK9 deficiency alters brain lipid composition without affecting brain development and function
Pärn, Angela; Olsen, Ditte; **Tuvikene, Jürgen**; Kaas, Mathias; Borisova, Ekaterina; Bilgin, Mesut; Elhauge, Mie; Vilstrup, Joachim; Madsen, Peder; Ambrozkiewicz, Mateusz C.; Goz, Roman U.; **Timmusk, Tõnis**; Tarabykin, Victor; Gustafsen, Camilla; Glerup, Simon Frontiers in molecular neuroscience 2023 / art. 1084633 https://doi.org/10.3389/fnmol.2022.1084633 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

A PDZ-like domain mediates the dimerization of 11R-lipoxygenase
Eek, Priit; **Põldemaa, Kaspar**; Kasvandik, Sergo; **Järving, Ivar**; **Samel, Nigulas** Biochimica et Biophysica Acta (BBA) - molecular and cell biology of lipids 2017 / p. 1121-1128 : ill https://doi.org/10.1016/j.bbalip.2017.07.012 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

PGC-1α signaling increases GABA(A) receptor subunit α2 expression, GABAergic neurotransmission and anxiety-like behavior in mice
Vanaveski, Taavi; Molchanova, Svetlana; Pham, Dan Duc; Schäfer, Annika; Pajanoja, Ceren; Narvik, Jane; Srinivasan, Vignesh; Urb, Mari; Koivisto, Maria; **Timmusk, Tõnis** Frontiers in Molecular Neuroscience 2021 / art. 588230 https://doi.org/10.3389/fnmol.2021.588230 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Phylogenetic insight into ABCE gene subfamily in plants
Jakobson, Liina; **Mõttus, Jelena**; Suurväli, Jaanus; **Sõmera, Merike**; **Tarassova, Jemilia**; Nigul, Lenne; Smolander, Olli-Pekka Aukusti; **Sarmiento Guerin, Maria Cecilia** Frontiers in Genetics 2024 / art. 1408665 https://doi.org/10.3389/fgene.2024.1408665 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Plankton biodiversity and species co-occurrence based on environmental DNA - a multiple marker study
Sildever, Sirje; **Laas, Peeter**; **Kolesova, Natalja**; **Lips, Inga**; **Lips, Urmas**; Nagai, Satoshi Metabarcoding and metagenomics 2021 / p. 175-197 : ill https://doi.org/10.3897/mbmg.5.72371 Journal metrics at Scopus Article at Scopus

Plantago major and Plantago lanceolata Exhibit Antioxidant and Borrelia burgdorferi Inhibiting Activities
Laanet, Pille-Riin; **Bragina, Olga**; **Jõul, Piia**; **Vaher, Merike** International journal of molecular sciences 2024 / art. 7112 https://doi.org/10.3390/ijms25137112 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Poly(ADP-Ribose) polymerase (PARP) inhibitors for cancer therapy: Advances, challenges, and future directions
Bondar, Denys; **Karpichev, Yevgen** Biomolecules 2024 / art. 1269 https://doi.org/10.3390/biom14101269 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Probing determinants of cyclopiazonic acid sensitivity of bacterial Ca 2+-ATPases
Kotšubei, Aljona; Gorgel, Manuela; Morth, Jens P.; Nissen, Poul; Andersen, Jacob L. FEBS Journal 2013 / p. 5441 - 5449 https://doi.org/10.1111/febs.12310 Journal metrics at Scopus Article at Scopus

Protein kinase inhibitor SU6668 attenuates positive regulation of Gli proteins in cancer and multipotent progenitor cells
Piirsoo, Alla; **Kasak, Lagle**; Kauts, Mari-Liis; Uusen, Piia; Tints, Kairit; Loog, Mart; Neuman, Toomas; **Piirsoo, Marko** Biochimica et biophysica acta : molecular cell research 2014 / p. 703-714 : ill https://doi.org/10.1016/j.bbamcr.2014.01.003 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Protein NMR spectroscopy at 150 kHz magic-angle spinning continues to improve resolution and mass sensitivity
Schledorn, Maarten; Malär, Alexander A.; Torosyan, Anahit; **Oss, Andres**; **Org, Mai-Liis**; **Samoson, Ago** Chembiochem : a European journal of chemical biology 2020 / p. 2540-2548 https://doi.org/10.1002/cbic.202000341 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at Scopus

Protein trafficking abnormalities in Drosophila tissues with impaired activity of the ZIP7 zinc transporter Catsup
Sasamura, Takeshi; **Groth, Casper**; Khanna, Mansi R.; Whitley, Michael; Fortini, Mark E. Development (Cambridge) 2013 / p. 3018 - 3027 https://doi.org/10.1242/dev.088336 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Proteome reallocation in Escherichia coli with increasing specific growth rate
Peebo, Karl; Valgepea, Kaspar; **Maser, Andres**; Nahku, Ranno; **Adamberg, Kaarel**; **Vilu, Raivo** Molecular biosystems 2015 / p. 1184-1193 : ill https://doi.org/10.1039/c4mb00721b Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Recovery of missing single-cell RNA-sequencing data with optimized transcriptomic references
Pool, Allan-Hermann; **Poldsam, Helen**; Chen, Sisi; Thomson, Matt; Oka, Yuki Nature Methods 2023 / p. 1506 - 1515 https://doi.org/10.1038/s41592-023-02003-w Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Research resource : small RNA-seq of human granulosa cells reveals miRNAs in FSHR and aromatase genes
Velthut, Agne; **Simm, Jaak**; Tuuri, Timo; Tapanainen, Juha S.; **Metsis, Madis**; Salumets, Andres Molecular endocrinology 2013 / p. 1128-1141 : ill https://doi.org/10.1210/me.2013-1058 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Restricted ADP movement in cardiomyocytes : cytosolic diffusion obstacles are complemented with a small number of open mitochondrial voltage-dependent anion channels
Simson, Päivo; **Jepihhina, Natalja**; **Laasmaa, Martin**; **Peterson, Pearu**; **Birkedal Nielsen, Rikke**; **Vendelin, Marko** Journal of molecular and cellular cardiology 2016 / p. 197-203 : ill https://doi.org/10.1016/j.yjmcc.2016.04.012 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Revealing calcium fluxes by analyzing inhibition dynamics in action potential clamp
Laasmaa, Martin; **Birkedal Nielsen, Rikke**; **Vendelin, Marko** Journal of molecular and cellular cardiology 2016 / p. 93-108 : ill https://doi.org/10.1016/j.yjmcc.2016.08.015 Journal metrics at Scopus Article at Scopus Article at WOS

Revisiting the expression of BDNF and its receptors in mammalian development
Esvald, Eli-Eelika; **Tuvikene, Jürgen**; **Kiir, Carl Sander**; **Avarlaid, Annela**; **Tamberg, Laura**; **Sirp, Alex**; **Shubina, Anastassia**; **Cabrera-Cabrera, Florencia**; Pihlak, Arno; **Koppel, Indrek**; Palm, Kaia; **Timmusk, Tõnis** Frontiers in Molecular Neuroscience 2023 / art. 1182499 https://doi.org/10.3389/fnmol.2023.1182499 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Revisiting the origins of the Sobemovirus genus: A case for ancient origins of plant viruses
Ghafari, Mahan; **Sõmera, Merike**; **Sarmiento Guerin, Maria Cecilia**; Niehl, Annette; Hebrard, Eugenie; Tsoleridis, Theocharis; Ball, Jonathan; Moury, Benoit; Lemey, Philippe; Katzourakis, Aris; Fargette, Denis PLoS Pathogens 2024 / art. e1011911 https://doi.org/10.1371/journal.ppat.1011911 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Safeguarding female reproductive health against endocrine disrupting chemicals-The FREIA project
Duursen, Majorie B.M. van; Boberg, Julie; Christiansen, Sofie; Jääger, Kersti; Salumets, Andres; **Velthut-Meikas, Agne** International journal of molecular sciences 2020 / art. 3215 https://doi.org/10.3390/ijms21093215 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

SciPy 1.0 : fundamental algorithms for scientific computing in Python
Virtanen, Pauli; Gommers, Ralf; Oliphant, Travis E.; Haberland, Matt; Reddy, Tyler; Cournapeau, David; Burovski, Evgeni; **Peterson, Pearu** Nature methods 2020 / p. 261-272 https://doi.org/10.1038/s41592-019-0686-2 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Secretome profiling reveals virulence-associated proteins of Fusarium proliferatum during interaction with banana fruit
Li, Taotao; Wu, Yu; Wang, Yong; Gao, Haiyan; **Gupta, Vijai Kumar**; Duan, Xuewu; Qu, Hongxia; Jiang, Yueming Biomolecules 2019 / Art. nr. 246 https://doi.org/10.3390/biom9060246 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Serum levels and removal by haemodialysis and haemodiafiltration of tryptophan-derived uremic toxins in ESKD patients
Paats, Joosep; Adoberg, Annika; **Arund, Jürgen**; **Fridolin, Ivo**; Leis, Liisi; **Luman, Merike**; **Pilt, Kristjan**; **Uhlin, Nils Fredrik Arne** International journal of molecular sciences 2020 / art. 1522, 19 p. : ill https://doi.org/10.3390/ijms21041522 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Spermatozoa induce transcriptomic alterations in bovine oviductal epithelial cells prior to initial contact
Reshi, Qurat Ul Ain; Viil, Janeli; Ord, James; Lättekivi, Freddy; Godakumara, Kasun; Hasan, Mohammed Mehedi; Nõmm, Monika; Jääger, Kersti; **Velthut-Meikas, Agne**; Jaakma, Ülle; Salumets, Andres; Fazeli, Alireza Journal of cell communication and signaling 2020 / p. 439–451 https://doi.org/10.1007/s12079-020-00575-2 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Structural and catalytic insights into the algal prostaglandin H synthase reveal atypical features of the first non-animal cyclooxygenase
Varvas, Külliki; **Kasvandik, Sergo**; **Hansen, Kristella**; **Järving, Ivar**; **Morell, Indrek**; **Samel, Nigulas** Biochimica et biophysica acta : molecular and cell biology of lipids 2013 / p. 863-871 : ill https://doi.org/10.1016/j.bbalip.2012.11.010 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Structure of a bacterial ice binding protein with two faces of interaction with ice
Mangiagalli, Marco; Sarusi, Guy; **Kaleda, Aleksei**; Bar Dolev, Maya The FEBS journal 2018 / p. 1653-1666 : ill https://doi.org/10.1111/febs.14434 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

TAC-seq : targeted DNA and RNA sequencing for precise biomarker molecule counting
Teder, Hindrek; Koel, Mariann; Paluoja, Priit; **Velthut-Meikas, Agne** npj genomic medicine 2018 / art. 34, 8 p. : ill https://doi.org/10.1038/s41525-018-0072-5 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

The glycine arginine-rich domain of the RNA-binding protein nucleolin regulates its subcellular localization
Doron-Mandel, Ella; **Koppel, Indrek**; Abraham, Ofri; Rishal, Ida The EMBO Journal 2021 / art. e107158 https://doi.org/10.15252/embj.2020107158 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

The initiation of free radical peroxidation of low-density lipoproteins by glucose and its metabolite methylglyoxal: A common molecular mechanism of vascular wall injure in atherosclerosis and diabetes
Lankin, Vadim Z.; **Konovalova, Galina G.**; Tikhaze, Alla K.; Shumaev, Konstantin; Kumskova, Elena; **Viigimaa, Margus** Molecular and cellular biochemistry 2014 / p. 241-252 : ill https://doi.org/10.1007/s11010-014-2131-2 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

The role of initial oligomers in amyloid fibril formation by human stefin B
Taler-Verčič, Ajda; **Kirsipuu, Tiina**; **Friedemann, Merlin**; **Noormägi, Andra**; **Smirnova, Julia**; **Palumaa, Peep** International journal of molecular sciences 2013 / p. 18362-18384 : ill https://doi.org/10.3390/ijms140918362 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Therapeutic potential of the endoplasmic reticulum located and secreted CDNF/MANF family of neurotrophic factors in Parkinson's disease
Voutilainen, Merja H.; **Arumäe, Urmas**; Airavaara, Mikko; Saarma, Mart FEBS letters 2015 / p. 3739-3748 : ill https://doi.org/10.1016/j.febslet.2015.09.031 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Thermal stability of red algal galactans: Effect of molecular structure and counterions
Robal, Marju; Truus, Kalle; **Volobujeva, Olga**; **Mellikov, Enn**; Tuvikene, Rando International journal of biological macromolecules 2017 / p. 213-223 : ill https://doi.org/10.1016/j.ijbiomac.2017.05.175 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

The TIMELESS roles in genome stability and beyond
Vipat, Sameera Anant; **Moiseeva, Tatiana** Journal of molecular biology 2024 / art. 168206, 14 p. : ill https://doi.org/10.1016/j.jmb.2023.168206 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Toxicity screening of fungal extracts and metabolites, xenobiotic chemicals, and indoor dusts with in vitro and ex vivo bioassay methods
Hintikka, Tuomas; Andersson, Maria A.; Lundell, Taina; Marik, Tamas; Kredics, Laszlo; Mikkola, Raimo; Andersson, Magnus C.;

Kurnitski, Jarek; Salonen, Heidi Pathogens 2024 / art. 217 https://doi.org/10.3390/pathogens13030217 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

uCARE Chem Suite and uCAREChemSuiteCLI : tools for bacterial resistome prediction
Saha, Saurav Bhaskar; **Gupta, Vijai Kumar**; Ramteke, Pramod Wasudeo Genes and Diseases 2021 / p. 721 - 729 https://doi.org/10.1016/j.gendis.2020.06.008 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Untranslated regions of brain-derived neurotrophic factor (Bdnf) mRNA control its translatability and subcellular localization
Lekk, Ingrid; **Cabrera-Cabrera, Florencia**; Turconi, Giorgio; **Tuvikene, Jürgen**; **Esvald, Eli-Eelika**; **Rähni, Annika**; Casserly, Laoise; Garton, Daniel R.; Andressoo, Jaan-Olle; **Timmusk, Tõnis**; **Koppel, Indrek** The journal of biological chemistry 2023 / art. 102897 https://doi.org/10.1016/j.jbc.2023.102897 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

An upstream enhancer and MEF2 transcription factors fine-tune the regulation of the Bdnf gene in cortical and hippocampal neurons
Avarlaid, Annela; **Falkenberg, Kaisa**; **Lehe, Karin**; Mudo, Giuseppa; Belluardo, Natale; Di Liberto, Valentina; Frinchi, Monica; **Tuvikene, Jürgen**; **Timmusk, Tõnis** Journal of biological chemistry 2024 / art. 107411, 12 p. : ill https://doi.org/10.1016/j.jbc.2024.107411 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Utilization of 15N-labelled yeast hydrolysate in Lactococcus lactis IL1403 culture indicates co-consumption of peptide-bound and free amino acids with simultaneous efflux of free amino acids
Kevvai, Kaspar; **Kütt, Mary-Liis**; **Nisamedtinov, Ildar**; **Paalme, Toomas** Antonie van Leeuwenhoek, International Journal of General and Molecular Microbiology 2014 / p. 511-522 : ill https://doi.org/10.1007/s10482-013-0103-2 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Variations on the theme of podosomes : A matter of context
Alonso, Florian; **Spuul, Pirjo**; Daubon, Thomas Biochimica et biophysica acta : molecular cell research 2019 / p. 545-553 : ill https://doi.org/10.1016/j.bbamcr.2018.12.009 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

α-Lipoic acid: a potential regulator of copper metabolism in Alzheimer's disease
Kirss, Sigrid; Reinapu, Anette; **Kabin, Ekaterina**; **Smirnova, Julia**; **Tõugu, Vello**; **Palumaa, Peep** Frontiers in Molecular Biosciences 2024 / art. 1451536 https://doi.org/10.3389/fmolb.2024.1451536 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS