

#### **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 $\beta$ -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](#) [Article 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](#)

### **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 Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Bovine sperm plasma membrane proteomics through biotinylation and subcellular enrichment**

Kasvandik, Sergio; 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; Lõökene, 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; Aduloso-Nwaobasi, Dike; Paczkowska, Marta; Abd-Rabbo, Diala; Ocsenas, Oliver; Liang, Minggao; Thompson, J. Drew; Li, Yao; Ruan, Luyao; Krassowski, Michal; Dzneldze, 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<sub>1</sub> 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, Sergio; **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](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **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**

Prakteeeksha; 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](#)

**A computational approach to study functional monomer-protein molecular interactions to optimize protein molecular imprinting**

**Boroznjak, 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  $\pi$ -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](#)

**Effect of agitation on the peptide fibrillization: Alzheimer's amyloid- $\beta$  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, Sergio; 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 autophosphorylation**

**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; Oberlinther, Ana; **Körge, 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***

**Rekena, 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**

Õpik, 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  $\beta$ -structure**

Ksenofontov, Alexander L.; Parshina, Evgenia Yu; Fedorova, Natalia V.; Arutyunyan, Alexander M.; **Rumvolt, Reet**; **Paalme, Viuu**; 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, Urel; 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 bromodomains**

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> [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, Viuu**; **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; Löökene, 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- $\beta$ 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; Joeheanes, 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; Schlöter, 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/mmb.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 $^{13}\text{C}$ 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](#)

**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; Ambrozkiwicz, 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, Sergio; **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-1 $\alpha$  signaling increases GABA(A) receptor subunit  $\alpha 2$  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](#)

**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<sup>2+</sup>-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**; **Uhlén, 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; Nömm, 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, Sergio**; **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](#)

**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 injury 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.jbiomac.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](#)

**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](#)