

## Aasta parimad teadusartiklid

Mente et Manu 2023 / lk. 22-25 : fot [https://www.ester.ee/record=b1242496\\*est](https://www.ester.ee/record=b1242496*est)

### Analysis of energy fluxes in colorectal cancer saponin skinned tissues and Caco-2 cells

Ševtšuk, Igor; Kaldma, Andrus; Tšekulajev, Vladimir; Klepinin, Aleksandr; **Õunpuu, Ljudmila** MiP 2015 : 11th Conference on Mitochondrial Physiology : Lucni Bouda, Giant Mountains National Park, Czech Republic, 7-11 September 2015 2015 / p. 35-36 : ill [http://www.bioblast.at/index.php/Shevchuk\\_2015\\_Abstract\\_MiP2015](http://www.bioblast.at/index.php/Shevchuk_2015_Abstract_MiP2015)

### Author Correction: Inferring structural variant cancer cell fraction (Nature Communications, (2020), 11, 1, (730), 10.1038/s41467-020-14351-8)

Cmero, Marek; Yuan, Ke; Ong, Cheng Soon; Schröder, Jan; Adams, David J.; Anur, Pavana; Beroukhim, Rameen; Boutros, Paul C.; Bowtell, David D. L.; **Uusküla-Reimand, Liis** Nature Communications 2022 / Art. n.r 7568 <https://doi.org/10.1038/s41467-022-32338-5>  
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

Tamm-Rosenstein, Karin; Simm, Jaak; Suhorutšenko, Marina; Salumets, Andres; **Metsis, Madis** PLoS ONE 2013 / p. 1-13 : ill <https://doi.org/10.1371/journal.pone.0068907> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Deoxynucleoside 5-monophosphate N-glycosidase from a phylogenetically distant metazoa, sponge

Aas-Valleriani, Nele; Reintamm, Tõnu; Kelve, Merike Biochimie 2018 / p. 113-118 : ill <https://doi.org/10.1016/j.biochi.2017.12.005>  
[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](#)

### Eesti teadlased töötavad uue vähiravimi kallal : [TTÜ geenitehnoloogia instituudi erakorralise professori Priit Kogermani uurimistööst]

Laev, Sigrid Eesti Päevaleht 2006 / 5. mai, lk. 6 : fot <https://epl.delfi.ee/artikkel/51038109/eesti-teadlased-tootavad-uu-vahiravimi-kallal>

### Energy metabolic plasticity of colorectal cancer cells as a determinant of tumor growth and metastasis

Reinsalu, Leenu; Puurand, Marju; Tšekulajev, Vladimir; **Miller, Sten**; Ševtšuk, Igor; Tepp, Kersti; **Rebane-Klemm, Egle**; Timohhina, Natalja; Terasmaa, Anton; Käämbre, Tuuli Frontiers in Oncology 2021 / Art. nr. 698951 <https://doi.org/10.3389/fonc.2021.698951> [Journal metrics at Journal](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### How do CD8+ T cells complete DNA replication in less than 4 hours?

Moiseeva, Tatiana The journal of immunology 2020 [https://www.jimmunol.org/content/204/1\\_Supplement/230.22](https://www.jimmunol.org/content/204/1_Supplement/230.22)

### Inferring structural variant cancer cell fraction

Cmero, Marek; Yuan, Ke; Ong, Cheng Soon; Schröder, Jan; Adams, David J.; Anur, Pavana; Beroukhim, Rameen; Boutros, Paul C.; Bowtell, David D. L.; **Uusküla-Reimand, Liis** Nature Communications 2020 / Art. nr. 730 <https://doi.org/10.1038/s41467-020-14351-8>  
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Influence of pH and glucose administration on the phototoxicity of chlorine-e6 towards Ehrlich carcinoma cells

Ševtšuk, Igor; Tšekulajev, Vladimir; Tšekulajeva, Ludmilla Experimental oncology 2002 / p. 135-141 : ill [https://www.researchgate.net/publication/233920567\\_INFLUENCE\\_OF\\_pH\\_AND\\_GLUCOSE\\_ADMINISTRATION\\_ON\\_THE\\_PHOTOTOXICITY\\_OF\\_CHLORIN-e6\\_TOWARDS\\_EHRLICH\\_CARCINOMA\\_CELLS](https://www.researchgate.net/publication/233920567_INFLUENCE_OF_pH_AND_GLUCOSE_ADMINISTRATION_ON_THE_PHOTOTOXICITY_OF_CHLORIN-e6_TOWARDS_EHRLICH_CARCINOMA_CELLS)

### 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](#)

### International multicenter experience of isolated limb infusion for in-transit melanoma metastases in octogenarian and nonagenarian patients

Teras, Jüri; Kroon, Hidde M.; Miura, John T.; Kenyon-Smith, Tim; Beasley, Georgia M. Annals of surgical oncology 2020 / p. 1420-1429 <https://doi.org/10.1245/s10434-020-08312-0> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### Interplay between creatine kinase and adenylate kinase networks in health and disease = Kreatiinkinaasi ja adenülaatkinaasi energiaülekande võrgustike vaheline koosmõju normis ja patoloogias

Klepinin, Aleksandr 2018 <https://digi.lib.tu.ee/i/?9963> [https://www.ester.ee/record=b5141460\\*est](https://www.ester.ee/record=b5141460*est)

### Kuidas allutada rakk inimese tahtele?

Neuman, Toomas Horisont 2016 / lk. 28-34 : fot [https://artiklid.elnet.ee/record=b2755091\\*est](https://artiklid.elnet.ee/record=b2755091*est)

### 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  
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**Malignant transformation causes rearrangement of energy metabolism in colorectal and breast cancers = Kartsinogenees toob kaasa energiametabolismi ümberkorralduse jämesoole- ja rinnakasvajates**

**Koit, Andre** 2018 <https://digi.lib.ttu.ee/i/?9349> [https://www.ester.ee/record=b4761853\\*est](https://www.ester.ee/record=b4761853*est)

**Mitochondrial interactosome in energy metabolism in healthy and cancer cells**

Gonzalez-Granillo, Marcela; Karu-Varikmaa, Minna; **Saaremäe, Merle**; Michel, Laurianne; Käämbre, Tuuli; Saks, Valdur; Guzun, Rita Biophysical journal 2011 / p. 298a-299a [https://www.cell.com/biophysj/fulltext/S0006-3495\(10\)03332-1](https://www.cell.com/biophysj/fulltext/S0006-3495(10)03332-1)

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**Hinrikus, Hiie**; Alasoo, Annika Postimees 1999 / 14. juuni, lk. 5

**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](#)

**Quantitative characterization of respiratory parameters of human colorectal and breast cancer clinical material**

Ševtšuk, Igor; Koit, Andre; Kaldma, Andrus; Tšekulajev, Vladimir; Klepinin, Aleksandr; **Õunpuu, Ljudmila** MiP 2015 : 11th Conference on Mitochondrial Physiology : Lucni Bouda, Giant Mountains National Park, Czech Republic, 7-11 September 2015 2015 / p. 28-29 : ill [http://www.bioblast.at/index.php/Kaambre\\_2015\\_Abstract\\_MiP2015](http://www.bioblast.at/index.php/Kaambre_2015_Abstract_MiP2015)

**Rearrangement of energy metabolism during differentiation of cancer cells = Energiametabolismi ümberkorraldamine kasvajakude diferentseerimisel**

**Klepinina, Ljudmila** 2021 [https://www.ester.ee/record=b5431661\\*est](https://www.ester.ee/record=b5431661*est) <https://digikoogu.taltech.ee/et/Item/3e83abfb-09c5-43ff-9a68-a44c5a5c9e9d> <https://doi.org/10.23658/taltech.24/2021>

**The role of lipid peroxidation and protein degradation in the photodestruction of Ehrlich ascites carcinoma cells sensitized by hematoporphyrin derivative**

**Ševtšuk, Igor**; Tšekulajev, Vladimir; Tšekulajeva, Ludmilla Experimental oncology 2002 / p. 216-224

**Stable isotope tracing uncovers reduced  $\gamma/\beta$ -ATP turnover and metabolic flux through mitochondrial-linked phosphotransfer circuits in aggressive breast cancer cells**

Klepinin, Aleksandr; **Miller, Sten**; Reile, Indrek; Puurand, Marju; **Rebane-Klemm, Egle**; **Klepinina, Ljudmila**; Vija, Heiki; Zhang, Song; Terzic, Andre; Dzeja, Petras; Kaambre, Tuuli Frontiers in Oncology 2022 / art. 892195 <https://doi.org/10.3389/fonc.2022.892195> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)