

### **Adenylate kinase and metabolic signaling in cancer cells**

Klepinin, Aleksandr; Zhang, Song; **Klepinina, Ljudmila; Rebane-Klemm, Egle**; Terzic, Andre; Käämbre, Tuuli; Dzeja, Petras  
Frontiers in oncology 2020 / art. 660, 9 p <https://doi.org/10.3389/fonc.2020.00660>

### **An in situ study of bioenergetic properties of human colorectal cancer: The regulation of mitochondrial respiration and distribution of flux control among the components of ATP synthasome**

Kaldma, Andrus; Klepinin, Aleksandr; Chekulajev, Vladimir; Mado, Kati; Shevchuk, Igor; Timohhina, Natalja; Tepp, Kersti; Kandashvili, Manana; **Planken, Margus; Truu, Laura** International journal of biochemistry and cell biology 2014 / p. 171-186 : ill  
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### **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  
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### **Comparative analysis of some aspects of mitochondrial metabolism in differentiated and undifferentiated neuroblastoma cells**

Klepinin, Aleksandr; **Kaldma, Andrus; Koit, Andre** Journal of bioenergetics and biomembranes 2014 / p. 17-31 : ill  
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### **The complexity of mitochondrial outer membrane permeability and VDAC regulation by associated proteins**

Klepinin, Aleksandr; **Õunpuu, Ljudmila**; Mado, Kati; **Truu, Laura**; Tšekulajev, Vladimir; Puurand, Marju; Ševtšuk, Igor; Tepp, Kersti; Planken, Anu; Käämbre, Tuuli Journal of bioenergetics and biomembranes 2018 / p. 339-354 : ill <https://doi.org/10.1007/s10863-018-9765-9>

### **Energy Metabolism of Cancer: Unravelling Complexities Through Multiparameter Metabolic Analysis = Energia metabolism vähis: multiparameetiline metaboolne analüüs**

**Miller, Sten** 2025 [https://www.ester.ee/record=b5747050\\*est](https://www.ester.ee/record=b5747050*est) <https://digikogu.taltech.ee/et/Item/a9603772-0df6-4da7-a018-55213b451759>  
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### **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.ttu.ee/i/?9963> [https://www.ester.ee/record=b5141460\\*est](https://www.ester.ee/record=b5141460*est)

### **Mitochondrial respiration in human colorectal and breast cancer clinical material is regulated differently**

Koit, Andre; Ševtšuk, Igor; **Õunpuu, Ljudmila**; Klepinin, Aleksandr; Tšekulajev, Vladimir; Timohhina, Natalja; Tepp, Kersti; Puurand, Marju; **Truu, Laura**; Heck, Karoliina; Valvere, Vahur; Guzun, Rita; Käämbre, Tuuli Oxidative medicine and cellular longevity 2017 / art. 1372640, 16 p. : ill <https://doi.org/10.1155/2017/1372640>

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

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

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### **The role of tubulin in the mitochondrial metabolism and arrangement in muscle cells**

Tepp, Kersti; Mado, Kati; **Varikmaa, Minna**; Klepinin, Aleksandr; Timohhina, Natalja; Shevchuk, Igor; Chekulajev, Vladimir; Kuznetsov, Andrey V.; Guzun, Rita; Kaambre, Tuuli Journal of bioenergetics and biomembranes 2014 / p. 421-434 : ill  
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