

### **Adaptation of striated muscles to Wolframin deficiency in mice : alterations in cellular bioenergetics**

Tepp, Kersti; Puurand, Marju; Timohhina, Natalja; **Aid-Vanakova, Jekaterina**; Reile, Indrek; Ševtšuk, Igor; Tšekulajev, Vladimir; Eimre, Margus; Peet, Nadežda; Kadaja, Lumme; Paju, Kalju; Käämbre, Tuuli *Biochimica et biophysica acta* 2020 / art. 129523 <https://doi.org/10.1016/j.bbagen.2020.129523>

### **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; Chekulayev, 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 <https://doi.org/10.1016/j.biocel.2014.09.004> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **The complexity of mitochondrial outer membrane permeability and VDAC regulation by associated proteins**

Klepinin, Aleksandr; Ōunpuu, Ljudmila; Mädo, 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 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](#)

### **Formation of highly organized intracellular structure and energy metabolism in cardiac muscle cells during postnatal development of rat heart**

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### **Influence of intrinsic and extrinsic factors on mitochondrial energy metabolism in the heart = Sisemiste ja väliste tegurite mõju südamelihase mitokondriaalsele energiametabolismile**

**Aid, Jekaterina** 2024 <https://doi.org/10.23658/taltech.59/2024> [https://www.ester.ee/record=b5703763\\*est](https://www.ester.ee/record=b5703763*est) <https://digikogu.taltech.ee/et/Item/c6a91cf8-7a69-42b2-bec5-18ac0105fad6>

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

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### **Mitochondrial respiration in KRAS and BRAF mutated colorectal tumors and polyps**

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### **Molecular system bioenergetics of cardiac cells : quantitative analysis of structure-function relationship**

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### **Regulation of respiration in permeabilized muscle cells : apparent KM for ADP shows the mitochondrial outer membrane permeability**

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### **Role of mitochondria-cytoskeleton interactions in respiration regulation and mitochondrial organization in striated muscles**

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### **Smoking cessation only partially reverses cardiac metabolic and structural remodeling in mice**

**Aid, Jekaterina**; Tanjeko, Ajime Tom; Serre, Jef; Eggelbusch, Moritz; Noort, Wendy; de Wit, Gerard M.J.; van Weeghel, Michel; Puurand, Marju; Tepp, Kersti; Gayan-Ramirez, Ghislaine; Degens, Hans; Käämbre, Tuuli; Wüst, Rob C.I. *Acta physiologica* 2024 / e14166 <https://doi.org/10.1111/apha.14145>

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

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### **Wolframin deficiency is accompanied with metabolic inflexibility in rat striated muscles**

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