

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

Klepinin, Aleksandr; Öunpuu, 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**

Anmann, Tiaa; **Varikmaa, Minna**; Timohhina, Natalja; Tepp, Kersti; Shevchuk, Igor; Chekulayev, Vladimir; Saks, Valdur; Kaambre, Tuuli Biochimica et biophysica acta - Bioenergetics 2014 / p. 1350-1361 : ill <https://doi.org/10.1016/j.bbabi.2014.03.015> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

## **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.estr.ee/record=b5703763\\*est](https://www.estr.ee/record=b5703763*est)  
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## **A line-broadening free real-time 31P pure shift NMR method for phosphometabolomic analysis**

Kaup, Karl Kristjan; **Toom, Lauri**; Truu, Laura; **Miller, Sten**; Puurand, Marju; Tepp, Kersti; Käämbre, Tuuli; Reile, Indrek Analyst 2021 / art. 7034, p. 5502–5507 : ill <https://doi.org/10.1039/d1an01198g>

## **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**

**Rebane-Klemm, Egle**; **Truu, Laura**; **Reinsalu, Leenu**; Puurand, Marju; Ševtšuk, Igor; Tšekulajev, Vladimir; Timohhina, Natalja; Tepp, Kersti; Bogovskaja, Jelena; Afanasjev, Vladimir; Suurmaa, Külli; Valvere, Vahur; Käämbre, Tuuli Cancers 2020 / art. 815 <https://doi.org/10.3390/cancers12040815> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

## **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**

**Varikmaa, Minna**; Bagur, Rafaela; Kaambre, Tuuli; Grichine, Alexei; Timohhina, Natalja; Tepp, Kersti; Shevchuk, Igor; Chekulayev, Vladimir; **Metsis, Madis**; Boucher, François Biochimica et biophysica acta - Bioenergetics 2014 / p. 232-245 : ill  
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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**

Tepp, Kersti; Aid-Vanakova, Jekaterina; Puurand, Marju; Timohhina, Natalja; Reinsalu, Leenu; Tein, Karin; Plaas, Mario; Ševtšuk, Igor; Terasmaa, Anton; Käämbre, Tuuli Biochemistry and Biophysics Reports 2022 / art. 101250  
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