

**Altered calcium handling in cardiomyocytes from arginine-glycine amidinotransferase-knockout mice is rescued by creatine**

Laasmaa, Martin; Branovets, Jelena; Barsunova, Karina; Karro, Niina; Lygate, Craig A.; Birkedal Nielsen, Rikke; Vendelin, Marko American journal of physiology-heart and circulatory physiology 2020 / p. H805-H825 <https://doi.org/10.1152/ajpheart.00300.2020>  
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**Analysis of ADP compartmentation in cardiomyocytes and its role in protection against mitochondrial permeability transition pore opening = ADP kompartmentatsiooni analüüs südamelihaskudedes ja selle roll mitokondriaalse suure läbitavusega poori avanemise eest kaitsmisel**

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**Analysis of molecular movement reveals latticelike obstructions to diffusion in heart muscle cells**

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**Analysis of molecular movements in cardiac myocytes = Molekulaarsete liikumiste analüüs südamelihaskudedes**

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**Biofüüsikud loodavad südamerakkude segadusse ajamisega haigusi ennetada**

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**Number of open mitochondrial voltage-dependent anion channels and intracellular diffusion coefficient in heart muscle**

**Simson, Päivo**; **Jepihhina, Natalja**; **Laasmaa, Martin**; **Branovets, Jelena**; **Peterson, Pearu**; **Birkedal Nielsen, Rikke**; **Vendelin, Marko** Biophysical journal 2016 / p. 475a <https://doi.org/10.1016/j.bpj.2015.11.2540>

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**Birkedal Nielsen, Rikke**; **Laasmaa, Martin**; **Branovets, Jelena**; **Vendelin, Marko** Philosophical Transactions of the Royal Society B : Biological Sciences 2022 / art. 20210321 <https://doi.org/10.1098/rstb.2021.0321> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Prolonged  $\beta$ -adrenergic stimulation disperses ryanodine receptor clusters in cardiomyocytes and has implications for heart failure**

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