

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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Cardiac expression and location of hexokinase changes in a mouse model of pure creatine deficiency

Branovets, Jelena; Karro, Niina; Barsunova, Karina; Laasmaa, Martin; Lygate, Craig A.; **Vendelin, Marko; Birkedal Nielsen, Rikke** American journal of physiology-heart and circulatory physiology 2021 / p. H613-H629 <https://doi.org/10.1152/ajpheart.00188.2020>
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Compartmentalization in cardiomyocytes modulates creatine kinase and adenylate kinase activities

Birkedal, Rikke; Branovets, Jelena; Vendelin, Marko FEBS letters 2024 / p. 2623-2640 <https://doi.org/10.1002/1873-3468.14994>
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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](#)

Metabolic compartmentation in rainbow trout cardiomyocytes : coupling of hexokinase but not creatine kinase to mitochondrial respiration

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Mitochondria–cytoskeleton interaction : distribution of β -tubulins in cardiomyocytes and HL-1 cells

Guzun, Rita; Karu-Varikmaa, Minna; Gonzalez-Granillo, Marcela; Kuznetsov, Andrey V.; Michel, Laurianne; Cottet-Rousselle, Cecile; **Saaremäe, Merle;** Käämbre, Tuuli; **Metsis, Madis;** Grimm, Michael; Auffray, Charles; Saks, Valdur Biochimica et biophysica acta 2011 / p. 458-469 : ill <https://core.ac.uk/download/pdf/82551314.pdf>

Stable isotope tracing uncovers reduced γ/β -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>
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The location of energetic compartments affects energetic communication in cardiomyocytes

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