

ADP protects cardiac mitochondria under severe oxidative stress

Sokolova, Niina; Pan, Shi; Provazza, Sarah; Beutner, Gisela; **Vendelin, Marko**; **Birkedal, Rikke**; Sheu, Shey-Shing PLoS ONE 2013 / art. e83214 <https://doi.org/10.1371/journal.pone.0083214> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Compartmentalization in cardiomyocytes modulates kinase activities

Birkedal, Rikke; **Branovets, Jelena**; **Jaska, Lucia**; **Shikha, Divya**; **Bernasconi, Romain**; **Vendelin, Marko** FEBS Open Bio 2024 / p. 34 <https://doi.org/10.1002/2211-5463.13836>

Compromised creatine kinase energy transfer affects cardiac excitation-contraction coupling

Branovets, Jelena; **Kalda, Mari**; **Laasmaa, Martin**; **Stolova, Jekaterina**; Shen, Xin; **Grahv, Cärolin**; **Hendrikson, Eliise**; Louch, William Edward; **Birkedal, Rikke**; **Vendelin, Marko** Acta Physiologica 2022 / p. 594-595 <https://onlinelibrary.wiley.com/doi/epdf/10.1111/apha.13878>

Higher AMPK activation in mouse oxidative compared with glycolytic muscle does not correlate with LKB1 or CaMKKb expression

Bernasconi, Romain; **Soodla, Kärol**; **Sirp, Alex**; **Zovo, Kairit**; **Kuhtinskaja, Maria**; **Lukk, Tiit**; **Vendelin, Marko**; **Birkedal, Rikke** American journal of physiology - Endocrinology and metabolism 2025 / p. E21-E33 <https://doi.org/10.1152/ajpendo.00261.2024>

Life-long creatine deficiency leads to adaptations in calcium handling but not heart failure

Branovets, Jelena; **Laasmaa, Martin**; **Stolova, Jekaterina**; Shen, Xin; **Rätsepso, Triinu**; **Balodis, Mihkel Jaan**; **Grahv, Carolin**; **Hendrikson, Eliise**; Louch, William Edward; **Birkedal, Rikke** Biophysical Journal 2024 / p. 458A-459A <https://doi.org/10.1016/j.bpj.2023.11.2785>

Simple analysis of gel images with IOCBIO Gel

Kütt, Jaak; **Margus, Georg**; **Kask, Lauri**; **Rätsepso, Triinu**; **Soodla, Kärol**; **Bernasconi, Romain**; **Birkedal, Rikke**; **Järv, Priit**; **Laasmaa, Martin**; **Vendelin, Marko** BMC Biology 2023 / art. 225 <https://doi.org/10.1186/s12915-023-01734-8> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Simple analysis of gel images with IOCBIO gel software

Jaska, Lucia; **Birkedal, Rikke**; **Laasmaa, Martin**; **Vendelin, Marko** Bio-protocol 2024 / art. e5053, 12 p <https://doi.org/10.21769/BioProtoc.5053> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The location of energetic compartments affects energetic communication in cardiomyocytes

Birkedal, Rikke; **Laasmaa, Martin**; **Vendelin, Marko** Frontiers in physiology 2014 / art. 376, 9 p.: ill <https://doi.org/10.3389/fphys.2014.00376> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)