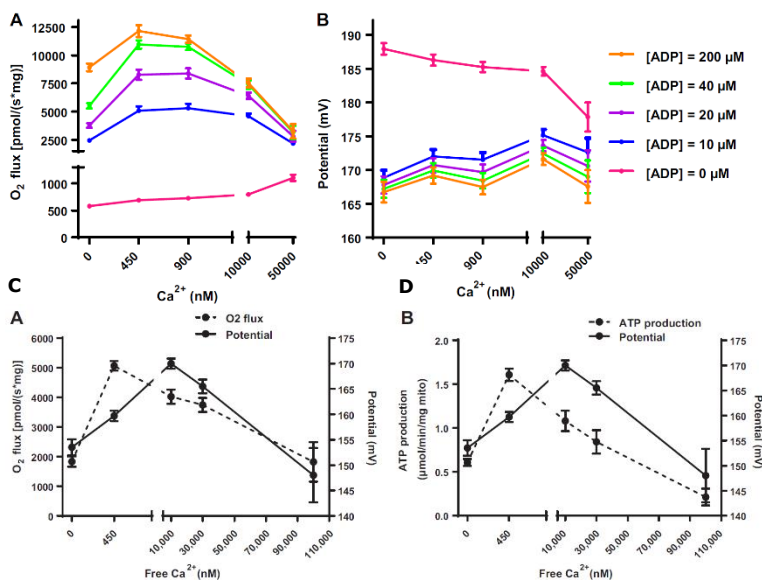


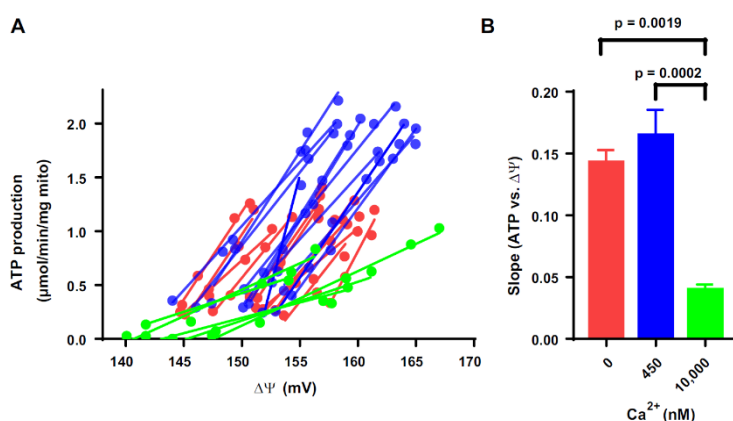
Regulation of ATP production: dependence on calcium concentration and respiratory state

Brian D. Fink,¹ Fan Bai,¹ Liping Yu,^{2,3} and William I. Sivitz¹

High-resolution respirometry of mouse skeletal muscle



Ca^{2+} effect over membrane potential and ATP production



Free Ca^{2+} induced changes on mitochondrial respiration and ATP production irrespective to the changes in membrane potential and without promoting the opening of the mPTP (no decrease in $\Delta\Psi$)

Reference: Fink BD, Bai F, Yu L, Sivitz WI (2017) Regulation of ATP production: dependence on calcium concentration and respiratory state. *Am J Physiol Cell Physiol* 313(2): C146-C153.

Text slightly modified based on the recommendations of the COST Action MitoEAGLE CA15203. [Doi:10.26124/mitofit:190001_v4](https://doi.org/10.26124/mitofit:190001_v4)