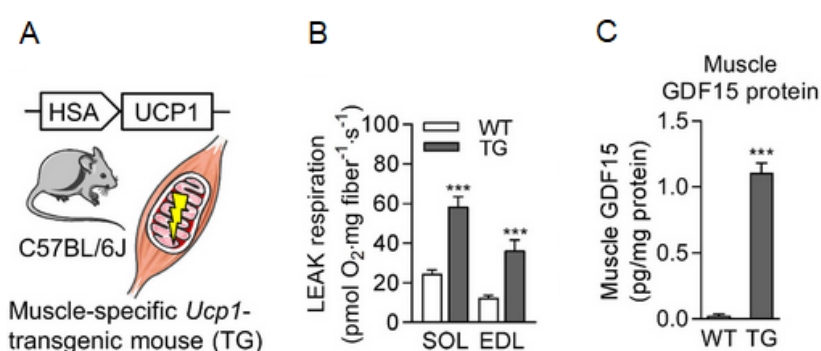


Muscle-derived GDF15 drives diurnal anorexia and systemic metabolic remodeling during mitochondrial stress

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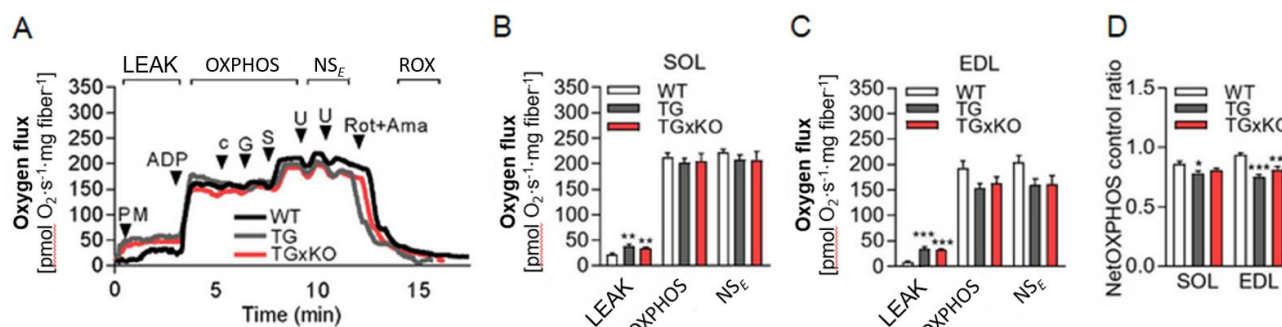
Mario Ost^{1,*†‡.§}, Carla Igual Gil^{1,2,†}, Verena Coleman^{1,2}, Susanne Keipert³, Sotirios Efstathiou¹, Veronika Vidic¹, Miriam Weyers¹ & Susanne Klaus^{1,2,‡,**}

Muscle mitochondrial stress promotes GDF15 as a myokine in mice



Data are expressed as means ± SEM; **p* < 0.05, ***p* < 0.01, ****p* < 0.001.

GDF15-independent mitochondrial integrated stress response



Data are expressed as means ± SEM; **p* < 0.05, ***p* < 0.01, ****p* < 0.001.

High-resolution respirometry can be used as a tool to link muscle mitochondrial dysfunction and remodeling of systemic energy homeostasis

Reference: Ost M, Igual Gil C, Coleman V, Keipert S, Efstathiou S, Vidic V, Weyers M, Klaus S (2020) Muscle-derived GDF15 drives diurnal anorexia and systemic metabolic remodeling during mitochondrial stress. EMBO Rep [Epub ahead of print].

Text slightly modified based on the recommendations of the COST Action MitoEAGLE CA15203. [Doi:10.26124/mitofit:190001.v6](https://doi.org/10.26124/mitofit:190001.v6)

O2k-brief communicated by D Antunes and L Tindle-Solomon
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