



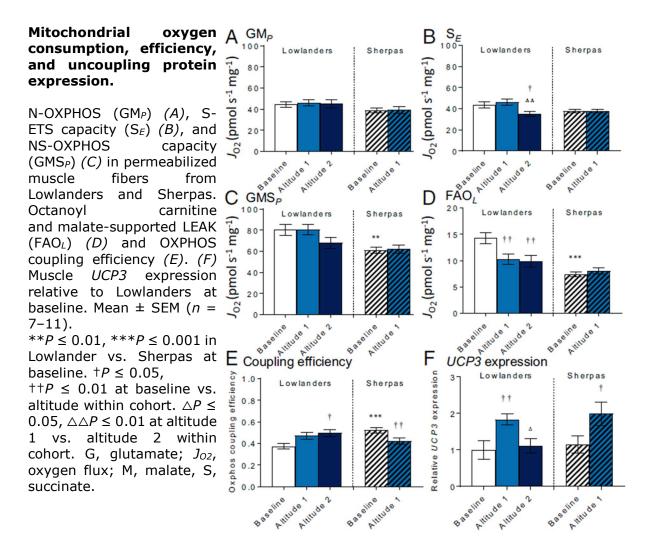
http://wiki.oroboros.at/index.php/O2k-Publications: Hypoxia INSTRUMENTS

High-Resolution Respirometry in skeletal muscle fibres

Metabolic basis to Sherpa altitude adaptation PNAS

James A. Horscroft^a, Aleksandra O. Kotwica^a, Verena Laner^b, James A. West^{c,d}, Philip J. Hennis^e, Denny Z. H. Levett^e, David J. Howard^e, Bernadette O. Fernandez^f, Sarah L. Burgess^a, Zsuzsanna Ament^{c,d}, Edward T. Gilbert-Kawai^e, André Vercueile, Blaine D. Landis⁹, Kay Mitchelle, Monty G. Mythene, Cristina Brancoa, Randall S. Johnsona, Martin Feelisch^{f,h}, Hugh E. Montgomery^e, Julian L. Griffin^{c,d}, Michael P. W. Grocott^{e,f,h,i}, Erich Gnaiger^{b,j}, Daniel S. Martine, and Andrew J. Murraya,1

Enhanced efficiency of O₂ utilization, improved muscle energetics, protection against oxidative stress and lower capacity for fatty acid oxidation are the hallmarks of the Sherpas



Reference: Horscroft JA, Kotwica AO, Laner V, West JA, Hennis PJ, Levett DZH, Howard DJ, Fernandez BO, Burgess SL, Ament Z, Gilbert-Kawai ET, Vercueil A, Landis BD, Mitchell K, Mythen MG, Branco C, Johnson RS, Feelisch M, Montgomery HE, Griffin JL, Grocott MPW, Gnaiger E, Martin DS, Murray AJ (2017) Metabolic basis to Sherpa altitude adaptation. Proc Natl Acad Sci U S A 114:6382-7.