

## Key Publications

### Human Myoblast Cells (LHCN-M2)

Zhu, Ch.-H. et al. (2007), Cellular senescence in human myoblasts is overcome by human telomerase reverse transcriptase and cyclindependent kinase 4: consequences in aging muscle and therapeutic strategies for muscular dystrophies, *Aging Cell*, 6(4):515-23, [PMID 17559502]



Maurer M, et al. (2015), IL-6 and Akt are involved in muscular pathogenesis in myasthenia gravis. *Acta Neuropathol Commun*. 2015 Jan 15;3:1. [PMID 25627031]



Meyer S.U. et. al (2015), TNF- $\alpha$  and IGF1 modify the microRNA signature in skeletal muscle cell differentiation. *Cell Commun Signal*. 2015 Jan 29;13:4. [PMID 25630602]



Salvadó, L., et al. (2014), PPAR $\beta/\delta$  prevents endoplasmic reticulum stress-associated inflammation and insulin resistance in skeletal muscle cells through an AMPK-dependent mechanism. *Diabetologia*. 2014 Oct;57(10):2126-35. [PMID 25063273]



Salvadó, L., et al. (2013), Oleate prevents saturated-fatty-acid-induced ER stress, inflammation and insulin resistance in skeletal muscle cells through an AMPK-dependent mechanism. *Diabetologia*. 2013 Jun;56(6):1372-82. [PMID 23460021]



Zhu, Ch. et al. (2008), SGNP: an essential Stress Granule/Nucleolar Protein potentially involved in 5.8s rRNA processing/transport. *PLoS One*. 2008;3(11):e3716. [PMID 19005571]



Roumes, H. et al. (2010), Calpains: markers of tumor aggressiveness?, *Exp Cell Res*. 2010 May 15;316(9):1587-99. [PMID 20193680]



LHCN-M2 were part of the ENCODE project

Gene expression data available of proliferating cells - raw data available at [GEO:GSM1024787](https://www.ncbi.nlm.nih.gov/geo/query/acc.cgi?acc=GSM1024787)

