

Supplementary Material

In Vitro Circadian Clock Gene Expression Assessments in Mesenchymal Stem Cells from Human Infants: A Pilot Study

Supplemental Table S1. qPCR TaqMan Gene Expression Assay Information

Gene Target	Taqman Assay
<i>CLOCK</i>	Hs00231857_m1
<i>BMAL1</i>	Hs00154147_m1
<i>PER2</i>	Hs01007553_m1
<i>NR1D1</i>	Hs00253876_m1
<i>GSK3B</i>	Hs01047719_m1
<i>PPARA</i>	Hs00947538_m1
<i>SIRT1</i>	Hs01009006_m1
<i>ADIPOQ</i>	Hs02564413_s1
<i>GUSB</i>	Hs00939627_m1
<i>PP1B</i>	Hs00168719_m1

Supplemental Table S2. Antibodies for Simple Western

Target	Molecular Weight	Antibody	RRID	Antibody Dilution	Protein Concentration
PPAR γ	53, 57	Cell Signaling #2435	AB_2166051	1:25	0.8 mg/ml
β -actin	45	Cell Signaling #4970	AB_2223172	1:50	0.2 mg/ml

Supplemental Figure S1

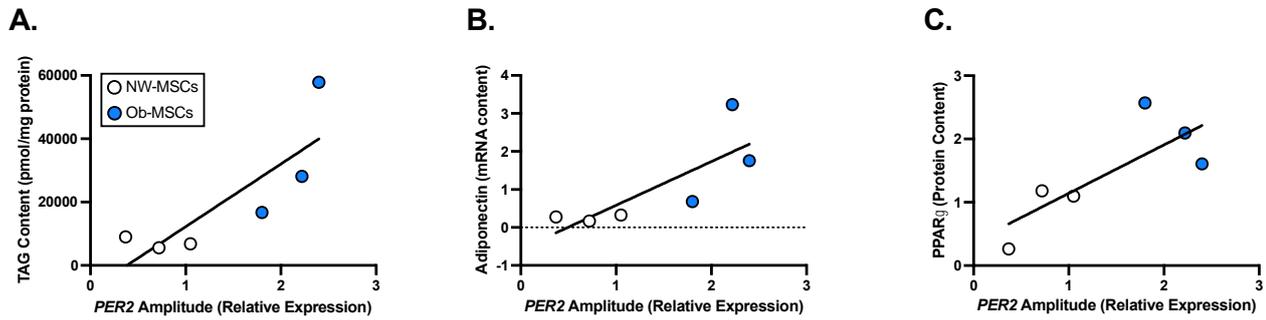
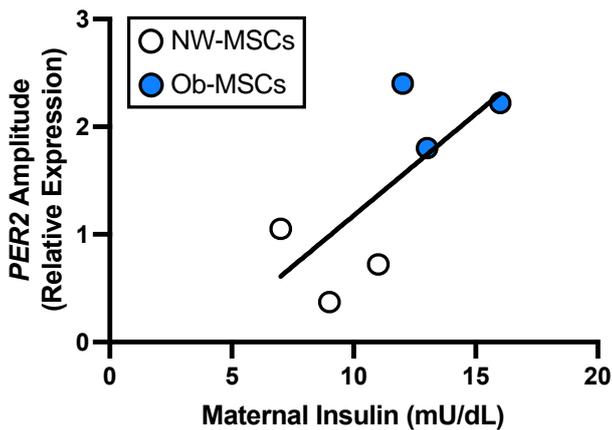


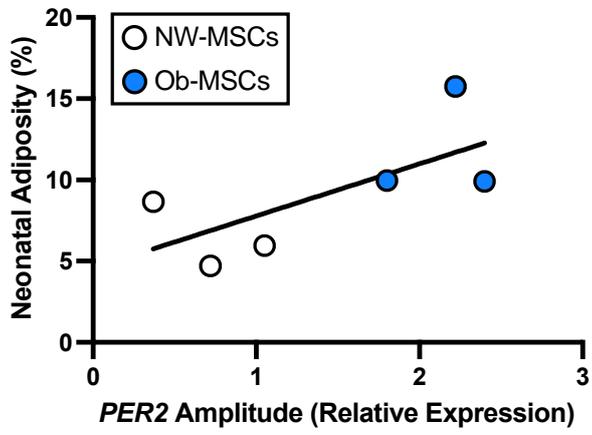
Figure S1: Associations between A: *PER2* amplitude and saturated TAGs during myogenesis; B: *PER2* amplitude and adiponectin during adipogenesis; and C: *PER2* amplitude and PPAR γ during adipogenesis. NW-MSCs in open symbols and OB-MSCs in blue symbols.

Supplemental Figure S2



Supplemental Figure S2: Association between *PER2* amplitude and maternal insulin assessed during late gestation. NW-MSCs in open symbols and OB-MSCs in blue symbols.

Supplemental Figure S3



Supplemental Figure S3: Associations between *PER2* amplitude and neonatal adiposity. NW-MSCs in open symbols and OB-MSCs in blue symbols.