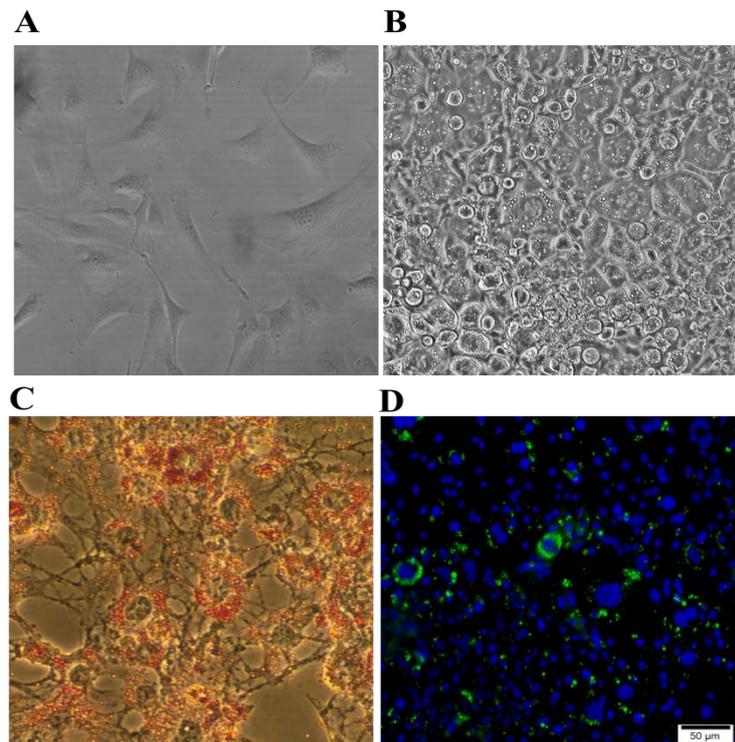


**Supplementary Figure S1.** Adipogenic differentiation of the 3T3-L1 cell line



(A) Pre-adipocytes. Magnification 200× (B) Pre-adipocytes differentiated into adipocytes. Magnification 200×(C) Pre-adipocytes differentiated into adipocytes stained with OR. Magnification 200×. (D) Pre-adipocytes differentiated into adipocytes stained with NR (green) and DAPI (blue). Scale bar: 50 µm.

**Supplementary Table S1.** Diameter of spheroids in control medium

	Diameter (µm)		
	Day 4	Day 7	Day 11
3	142.6 ± 3.04 ***	130.6 ± 6.04 ***	120.2 ± 5.91 ***
N	163.5 ± 9.85 *** <sup>γ</sup>	158.5 ± 3.11 *** <sup>γ</sup>	159.1 ± 6.60 *** <sup>γ</sup>
3:J	159.7 ± 4.85 *** <sup>β</sup>	192.6 ± 13.86 <sup>γ ε</sup>	187.2 ± 9.28 <sup>γ δ</sup>
3:N	153.6 ± 7.87 ***	145.5 ± 9.72 ***	138.2 ± 10.07 *** <sup>φ</sup>
3:J:N	185.2 ± 6.65	184.9 ± 12.14	200.6 ± 21.66

Data expressed as mean ± standard deviation, n = 3. One-way ANOVA statistical analysis followed by Bonferroni post-test. \*\*\* (p < 0.001) in relation to model 3: J: N on days 4, 7 and 11; <sup>γ</sup> (p < 0.001) in relation to model 3 on days 4, 7 and 11; <sup>β</sup> (p < 0.01) in relation to model 3 on day 4; <sup>ε</sup> (0.001) in relation to model N and 3: N on day 7; <sup>δ</sup> (p < 0.01) in relation to model N on day 11; <sup>φ</sup> (p < 0.05) in relation to model N on day 11. Caption: 3 = 3T3-L1; N = NIH / 3T3; 3: J = 3T3-L1: J774; 3: N = 3T3-L1: NIH / 3T3; 3: J: N = 3T3-L1: J774: NIH / 3T

**Supplementary Table S2.** Diameter of spheroids in MDI medium

	<b>Diameter (<math>\mu\text{m}</math>)</b>		
	Day 4	Day 7	Day 11
3	141.2 $\pm$ 6.00 ***	193.4 $\pm$ 6.42	183.8 $\pm$ 6.89
N	162.9 $\pm$ 3.37 *** $\gamma$	169.0 $\pm$ 5.87 *** $\gamma$	170.2 $\pm$ 9.45 ** $\alpha$
3:J	160.9 $\pm$ 9.89 *** $\gamma$	204.0 $\pm$ 6.33 $\phi\phi\phi$	201.0 $\pm$ 6.43 $\phi\phi\phi$ $\beta$
3:N	154.1 $\pm$ 7.21 *** $\alpha$	196.8 $\pm$ 7.11 $\phi\phi\phi$	192.5 $\pm$ 4.75 $\phi\phi\phi$
3:J:N	185.3 $\pm$ 6.11	196.4 $\pm$ 4.29	188.8 $\pm$ 7.54

Data expressed as mean  $\pm$  standard deviation, n = 3. One-way ANOVA statistical analysis followed by Bonferroni post-test. \*\*\* (p < 0.001) in relation to model 3: J: N on days 4 and 7;  $\gamma$  (p < 0.001) in relation to model 3 on days 4 and 7;  $\alpha$  (p < 0.05) in relation to model 3 on days 4 and 11;  $\phi\phi\phi$  in relation to model N on days 7 and 11; \*\* (p < 0.01) in relation to model 3: J: N on day 11;  $\beta$  (p < 0.01) in relation to model 3 on day 11. Caption: 3 = 3T3-L1; N = NIH / 3T3; 3: J = 3T3-L1: J774; 3: N = 3T3-L1: NIH / 3T3; 3: J: N = 3T3-L1: J774: NIH / 3T3.