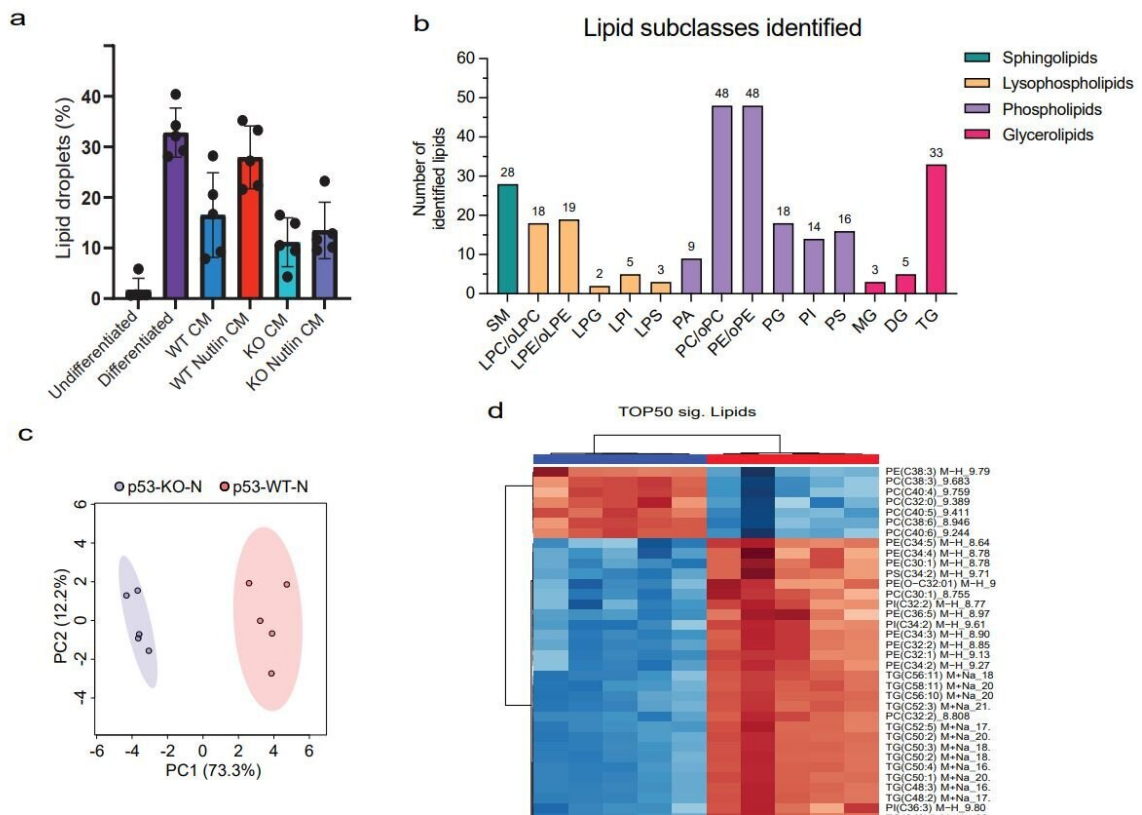


Scientists show reprogrammed fat cells support tumor growth

January 3 2024



a, Quantification of lipid droplets by Oil-Red-O staining in undifferentiated 3T3-L1 and 3T3-L1 induced to differentiate in the presence of regular differentiation medium or differentiation medium supplemented (1:1) with CM from control (WT) or p53KO WEP cells treated for 24 hours with or without 7µM Nutlin-3a before harvesting. Each dot represents quantification by ImageJ of a non-overlapping microscopic field (5 randomly chosen fields for each condition). b, Numbers of lipid molecular species per lipid subclass identified in 3T3-L1 cells across all samples. c, Principal component analysis (PCA) of the

lipidomics data of 3T3-L1 cells differentiated in the presence of CM from WT or p53KO WEP cells treated with Nutlin-3a. d, Heatmap showing the top 50 significantly different lipids in the cells in (c). The heatmap was constructed according to a two sample t-test (p-value

Citation: Scientists show reprogrammed fat cells support tumor growth (2024, January 3)
retrieved 29 April 2024 from
<https://medicalxpress.com/news/2024-01-scientists-reprogrammed-fat-cells-tumor.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.