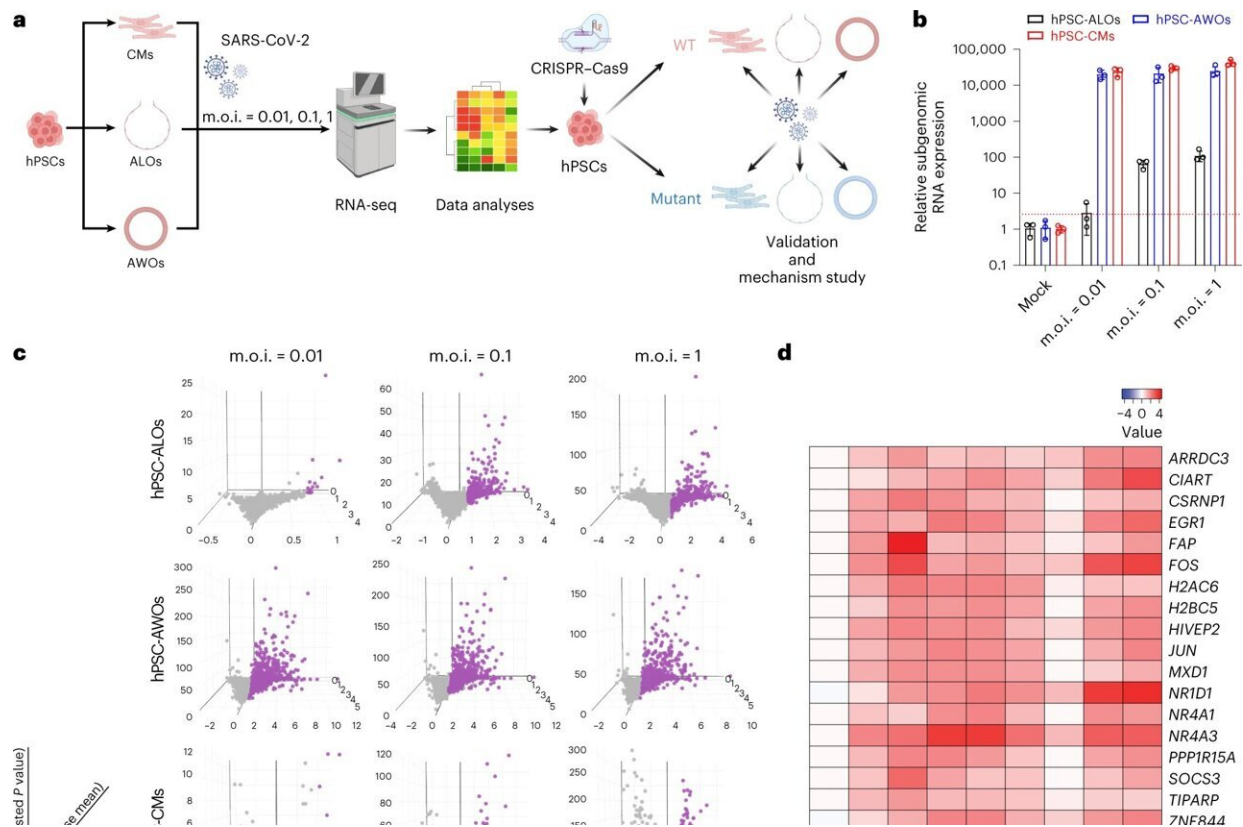


Study identifies the human genes enabling SARS-CoV-2 infection

March 16 2023, by Jim Schnabel



A multi-organoid platform to identify genes involved in SARS-CoV-2 infection.

a, Schematic of the experimental design. **b**, Levels of subgenomic viral transcripts, determined by qRT-PCR, in hPSC-derived AWOs, ALOs and CMs at 48 h.p.i. with SARS-CoV-2 at different m.o.i. (m.o.i. = 0.01, 0.10 and 1.00). The dashed red line indicates the detection limit. **c**, Three-dimensional analysis of transcriptional changes in hPSC-derived AWOs, ALOs and CMs infected at 48 h.p.i. (m.o.i. = 0.01, 0.10 and 1.00). The genes that were significantly changed ($\log_2(\text{fold change}) > 0.75$, base mean > 10 and adjusted P

Citation: Study identifies the human genes enabling SARS-CoV-2 infection (2023, March 16)
retrieved 20 March 2023 from <https://medicalxpress.com/news/2023-03-human-genes-enabling-sars-cov-infection.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.