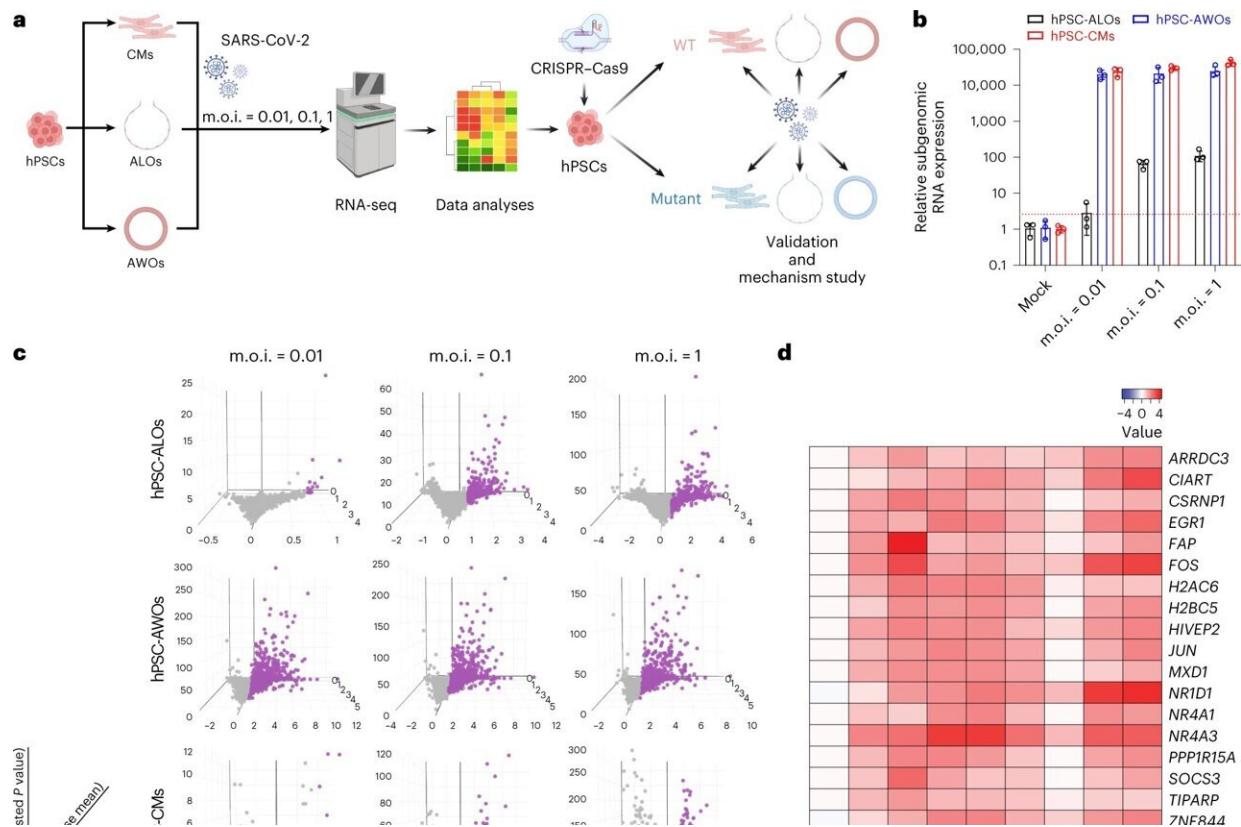# Study identifies the human genes enabling SARS-CoV-2 infection

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 ($\log_2$(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 5 May 2024 from https://medicalxpress.com/news/2023-03-human-genes-enabling-sars-cov-infection.html