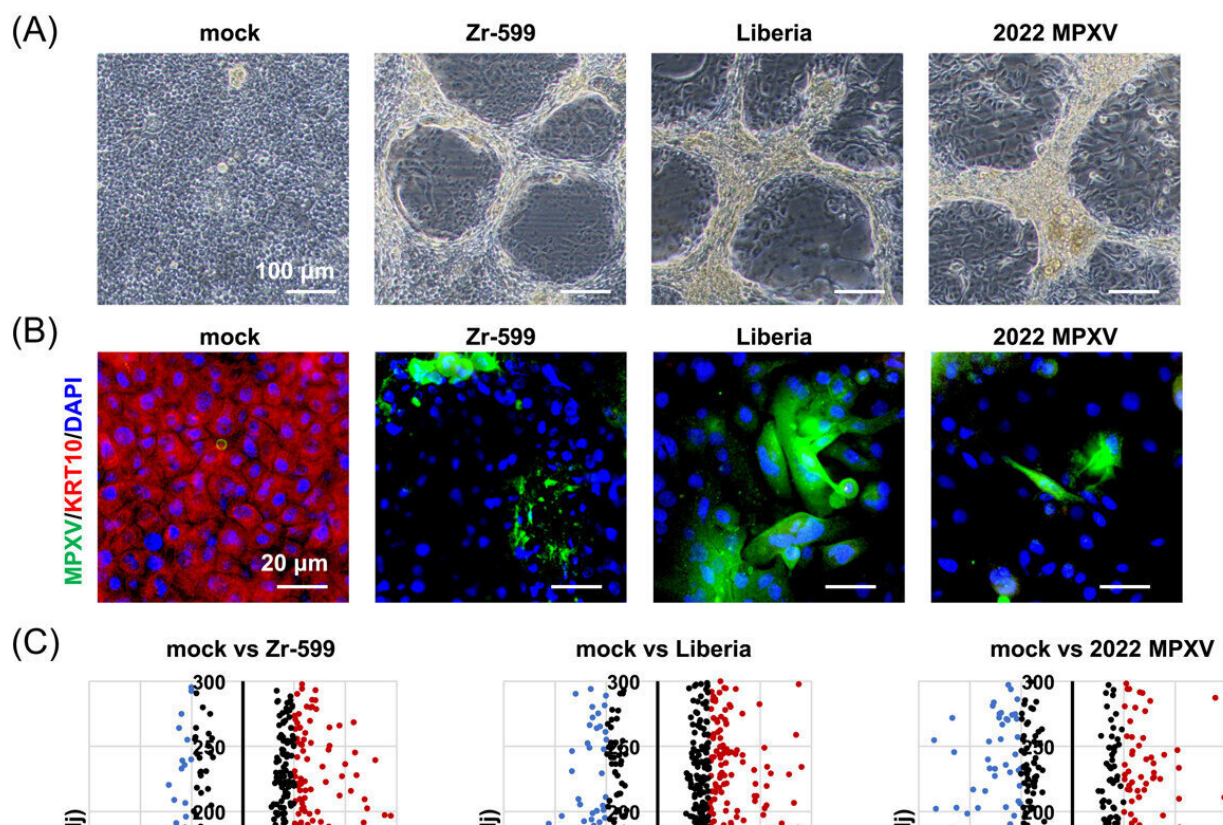


# Analysis of the 2022 mpox virus using human keratinocytes and human iPS cell-derived colon organoids

June 20 2023



Characterization of the MPXV-infected keratinocytes. Human keratinocytes were infected with MPXV (0.05 PFU/cell) and subjected to RNA-seq analysis. (A) Phase images of uninfected and MPXV-infected keratinocytes. (B) Immunofluorescence analysis of MPXV protein (green) and KRT10 (red) in uninfected and MPXV-infected keratinocytes. Nuclei were counterstained with DAPI (blue). (C) A volcano plot of differentially expressed genes in uninfected

and infected keratinocytes (log<sub>2</sub> fold-change >2.5, adjusted  $p$ -value [ $p_{adj}$ ])

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