Lab on a Chip

CORRECTION

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Correction: Distal renal tubular system-on-a-chip for studying the pathogenesis of influenza A virus-induced kidney injury

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Correction for 'Distal renal tubular system-on-a-chip for studying the pathogenesis of influenza A virus-induced kidney injury' by Yueyue Huangfu *et al.*, *Lab Chip*, 2023, 23, 4255–4264, https://doi.org/10.1039/D3LC00616F

In the original publication, Fig. 4 and 6 were displayed incorrectly. This error does not affect the content or conclusions of the article. The correct figures are shown below.

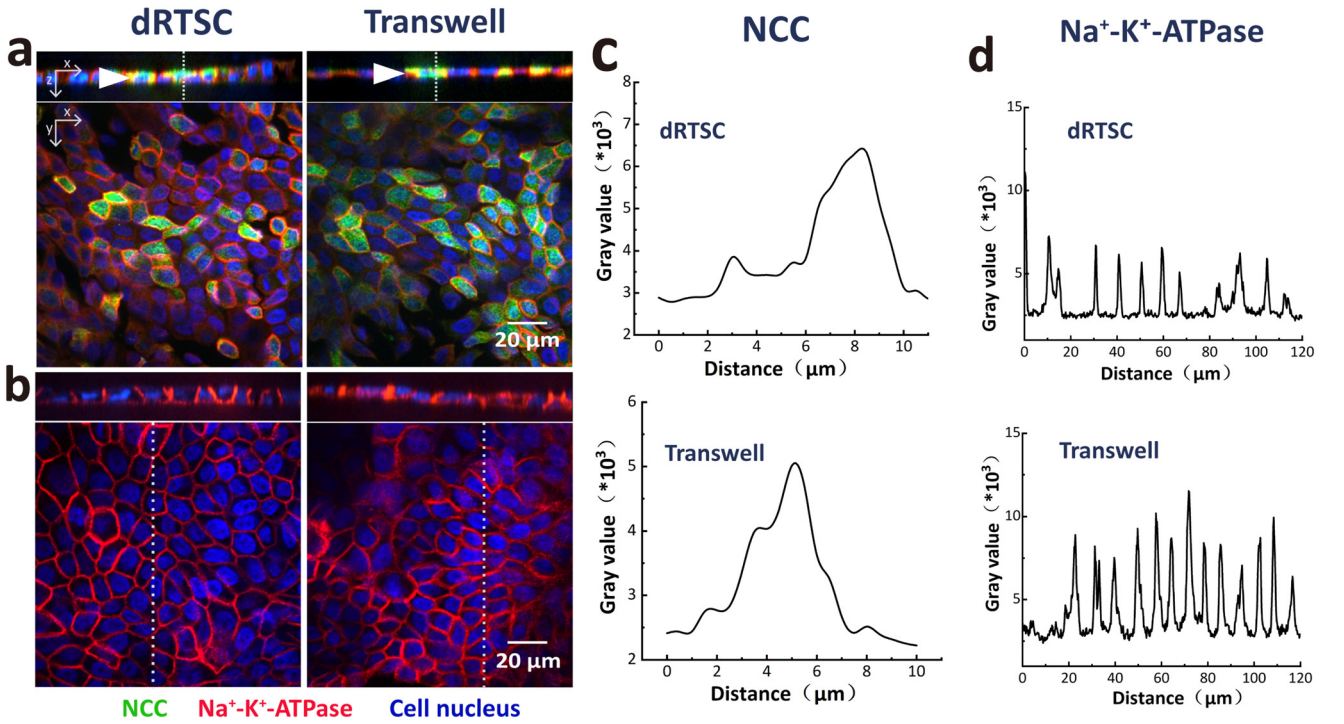

Fig. 4 Cell polarization and distribution of ion transporters. a) Compared to the Transwell group, the NCC and Na+–K+-ATPase of MDCK.2 cells were distributed on both sides of the central axis (white arrows) in dRTSC, showing a clear polar distribution. b) The distribution of Na^+-K^+-ATPase in dRTSC and Transwell. c) Fluorescence intensity statistics of NCC along the white dashed line in figure a under different culture conditions. d) Fluorescence intensity of Na^+-K^+-ATPase along the white dashed line in figure b.

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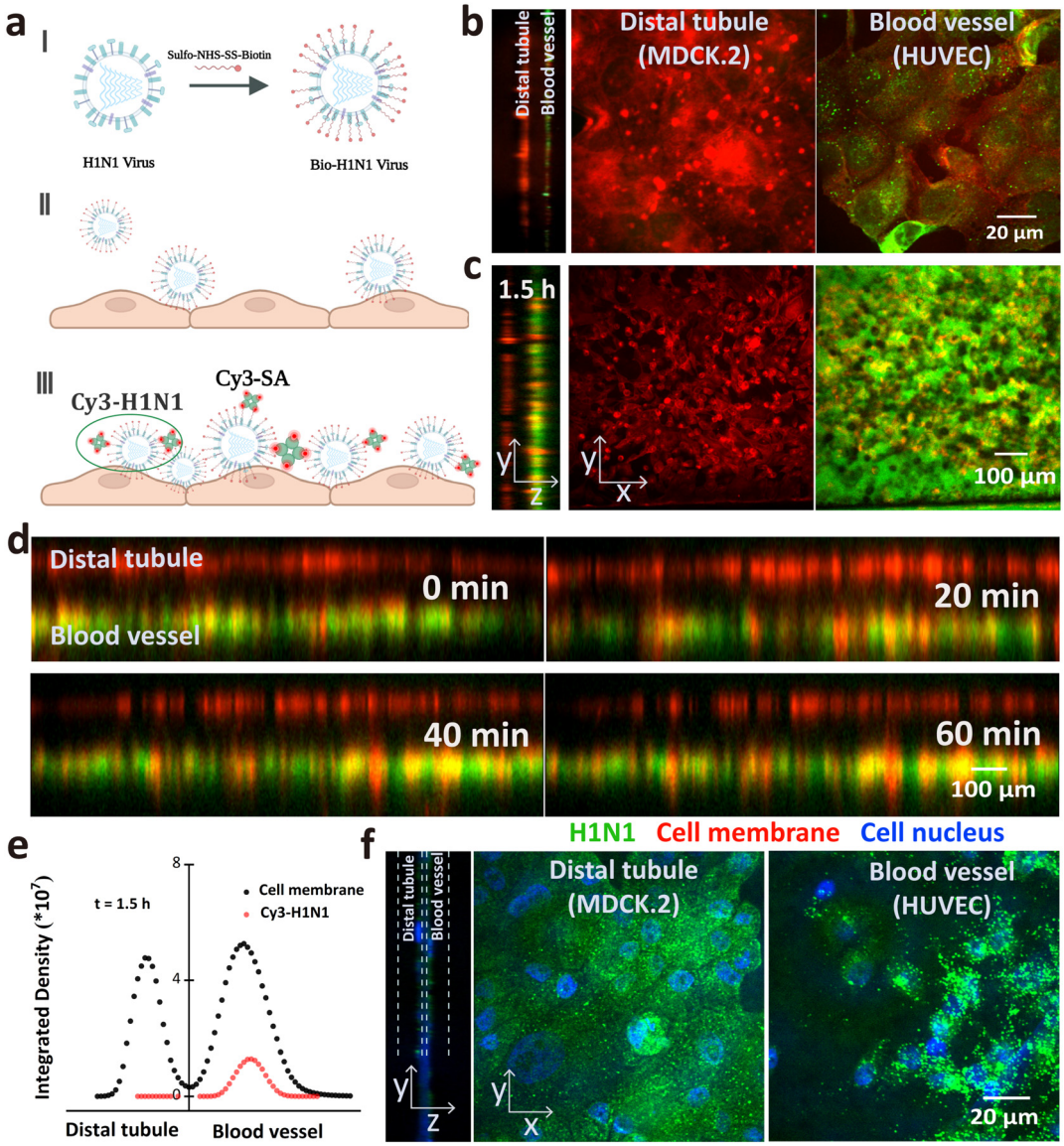

Fig. 6 Pathway of H1N1 virus invasion into the kidney. a) Labeling of H1N1 virus envelope protein (created with **https://BioRender.com**), I. Biotinylated virus to obtain Bio-H1N1, II. Low-temperature environment to adsorb Bio-H1N1 to the cell surface, III. Bio-H1N1 and Cy3–SA binding through biotin–streptavidin interaction. b) The successful construction of vascular barrier without virus leakage. c) Confocal imaging of Cy3–H1N1 and cell membrane after 1.5 h of virus infection. d) Fluorescence distribution of cell membrane and Cy3–H1N1 in the *x*–*z* plane at different infection times. e) Fluorescence intensity of Cy3–H1N1 and cell membranes in different focal planes at 1.5 h using the position of the porous membrane in the *y*–*z* plane in fig. c as zero. f. Immunofluorescence results indicated the presence of the H1N1 virus in both cells.

The Royal Society of Chemistry apologises for these errors and any consequent inconvenience to authors and readers.