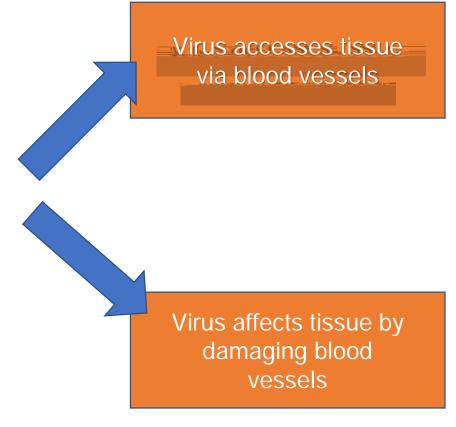


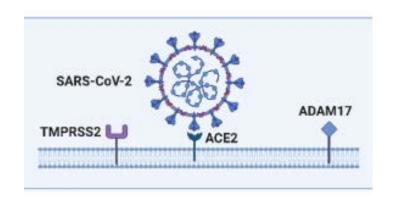
### Vasculature conduit for SARS CoV-2 infection

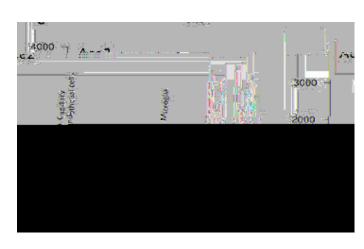




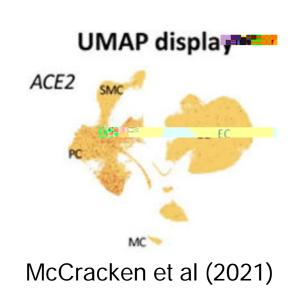


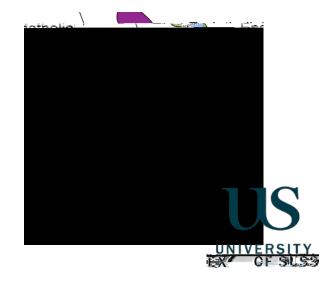
#### Can SARS CoV-2 infect vascular cells?



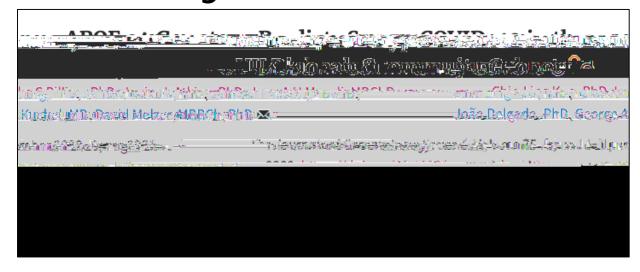


He et al (2020)





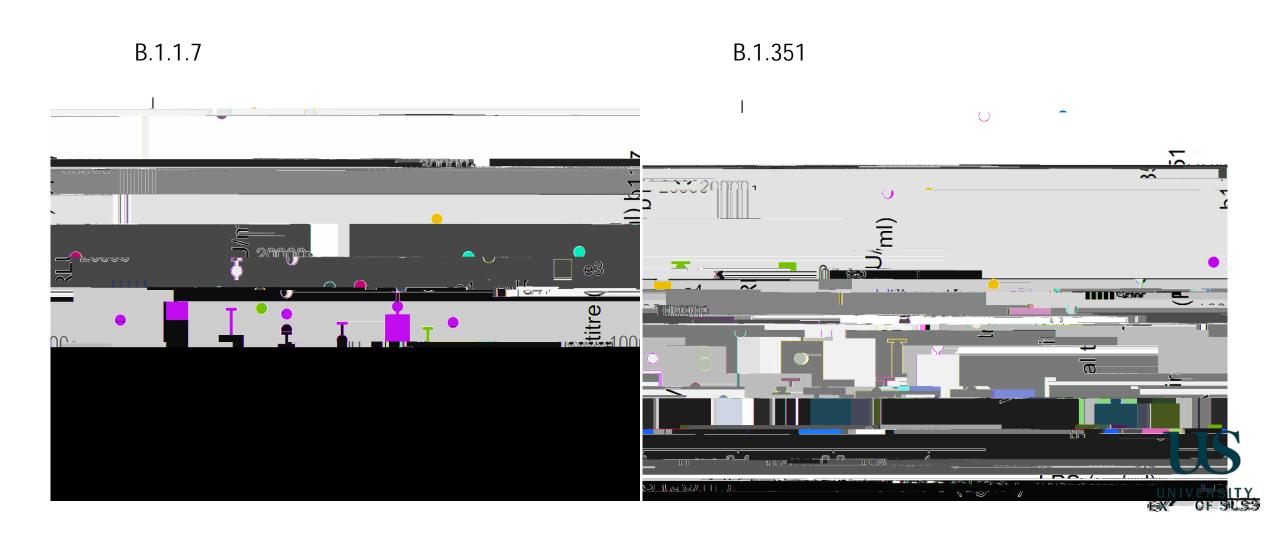
# Factors that affect endothelial permeability might increase COVID19 severity



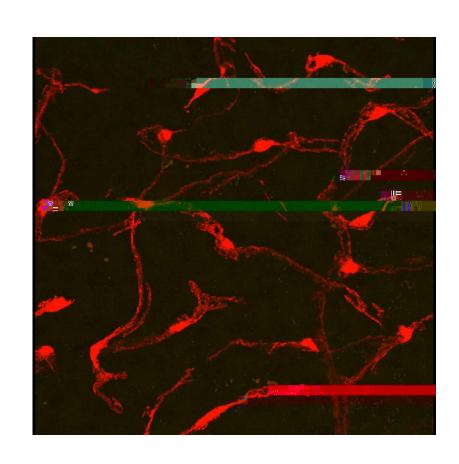


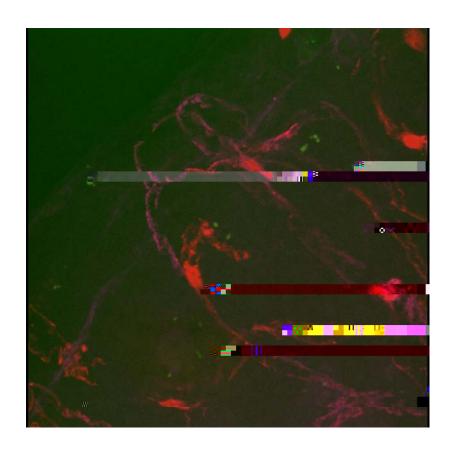
Do these factors also affect infectivity of vascular cells with SARS CoV-2?

### LPS and APOE genotype increase SARS CoV-2 infectivity of mouse endothelial cells



## In vivo infection with B.1.1.7 of APOE4/4 mouse brain







#### Next steps

- Cultured mouse pericytes, human endothelial cells and pericytes with LPS.
- In vivo infectivity cell colocalization, different organs, effect of LPS

