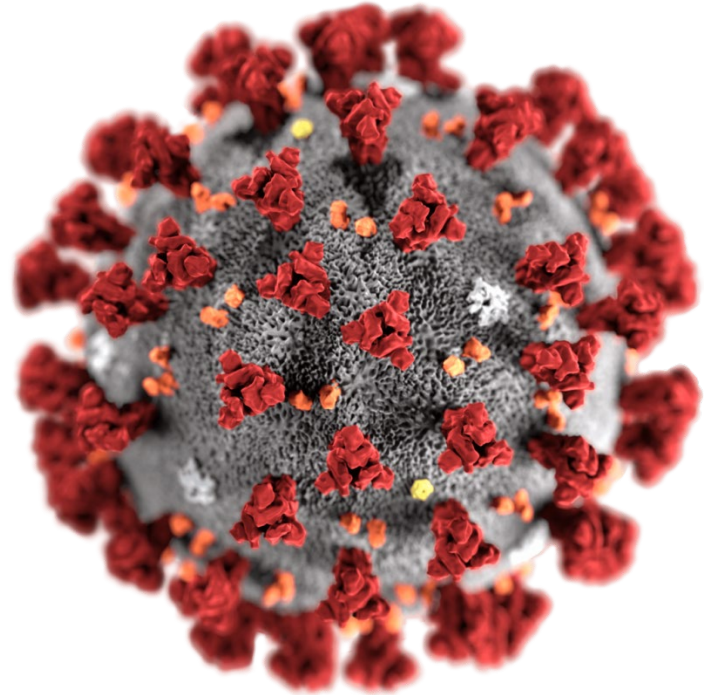
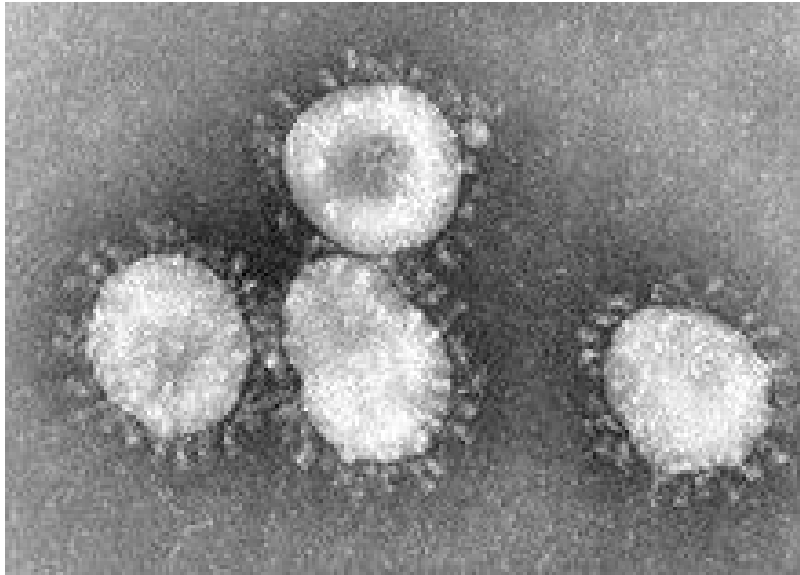
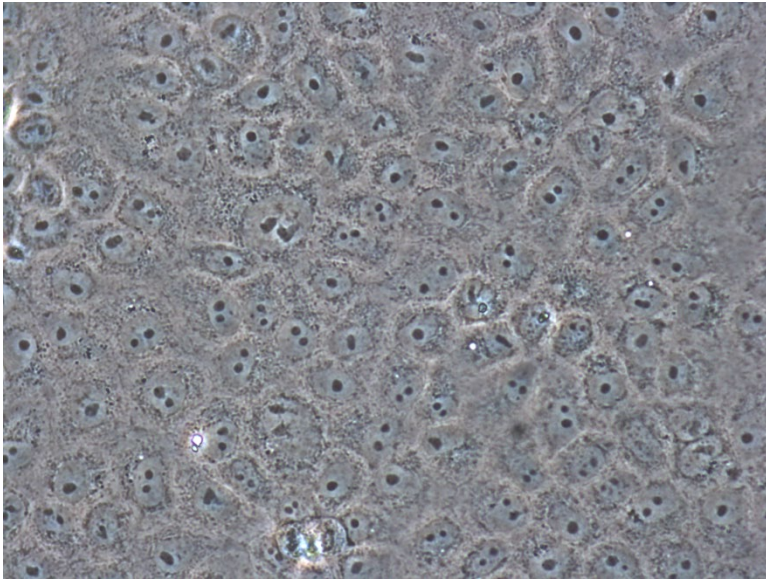


Severe acute respiratory syndrome coronavirus 2 = SARS CoV-2

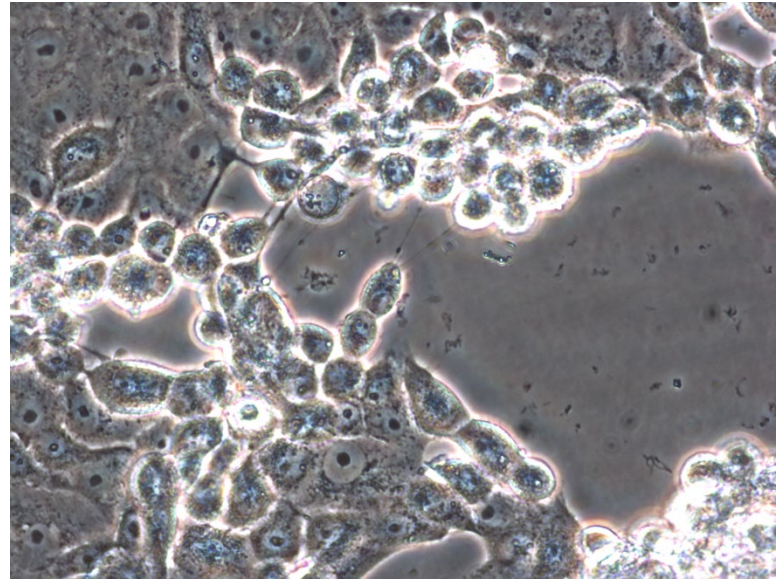


SARS CoV-2 causes COVID-19

Isolation of coronavirus in cell cultures



Non-infected cells



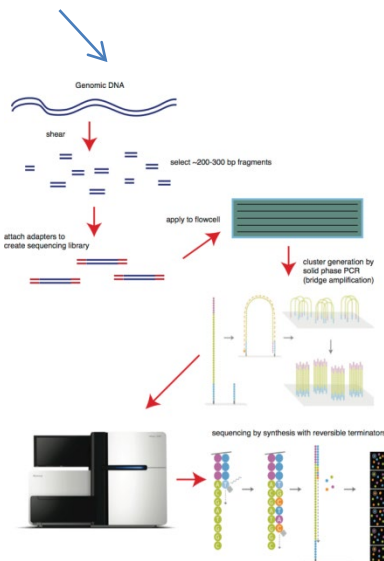
Coronavirus-infected cells

Workers wearing
powered air- purifying
respirators (PAPR)



Determination of SARS CoV-2 genomic codes

Virus genomic RNA



Vaccines, Basic Research

Create better tests

Track source of virus

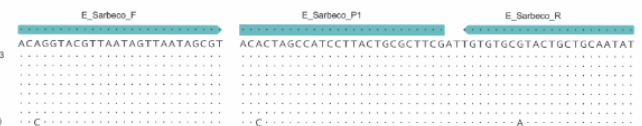
A. RdRp gene

WH-Human_1(China)2019-Dec
BetaCoV/Wuhan/IPCAMS-WH-01/2019/EPI_ISL_402123
BetaCoV/Wuhan/IDC-HB-01/2019/EPI_ISL_402119
BetaCoV/Wuhan/IDC-HB-04/2020/EPI_ISL_402120
BetaCoV/Wuhan/IDC-HB-05/2019/EPI_ISL_402121
BetaCoV/Wuhan/WH04/2019/EPI_ISL_402124
M0772933 Bat SARS-related CoV (bat-SL-CoVZC45)
NC_044718 Human SARS-related CoV (e.g. Frankfurt-1)
NC_014470 Bat SARS-related CoV (BM48-31/BGR/2008)



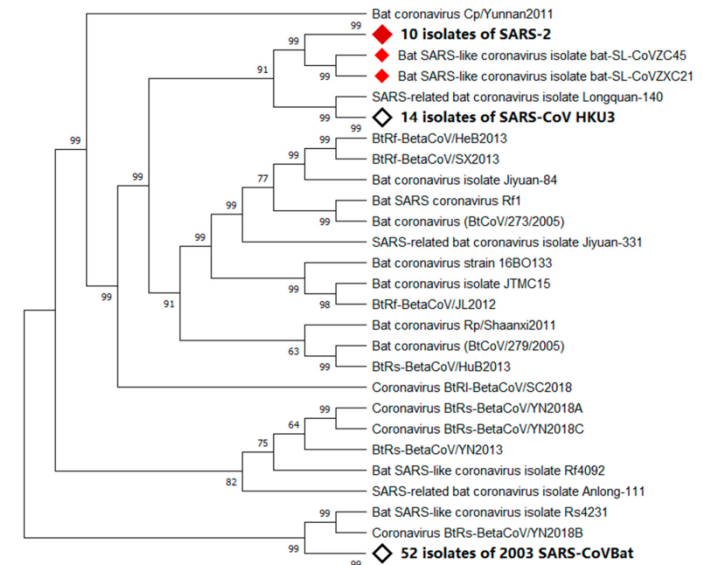
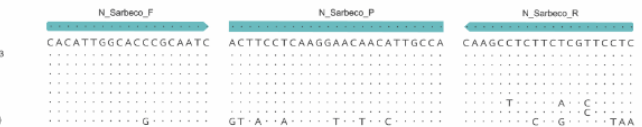
B. E gene

WH-Human_1(China)2019-Dec
BetaCoV/Wuhan/IPCAMS-WH-01/2019/EPI_ISL_402123
BetaCoV/Wuhan/IDC-HB-01/2019/EPI_ISL_402119
BetaCoV/Wuhan/IDC-HB-04/2020/EPI_ISL_402120
BetaCoV/Wuhan/IDC-HB-05/2019/EPI_ISL_402121
BetaCoV/Wuhan/WH04/2019/EPI_ISL_402124
M0772933 Bat SARS-related CoV (bat-SL-CoVZC45)
NC_044718 Human SARS-related CoV (e.g. Frankfurt-1)
NC_014470 Bat SARS-related CoV (BM48-31/BGR/2008)

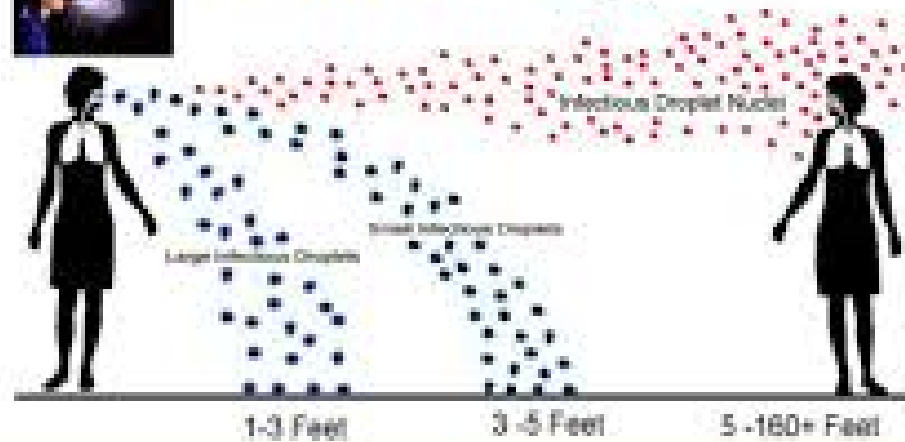
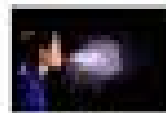


C. N gene

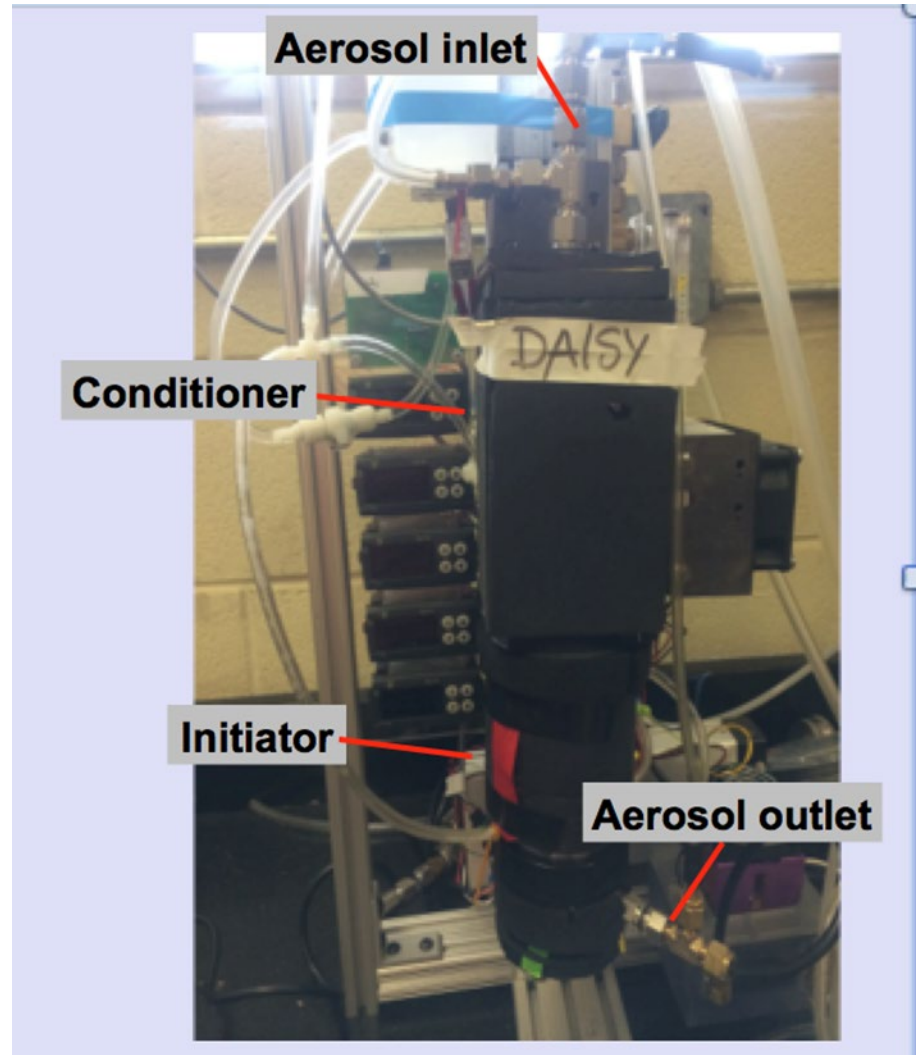
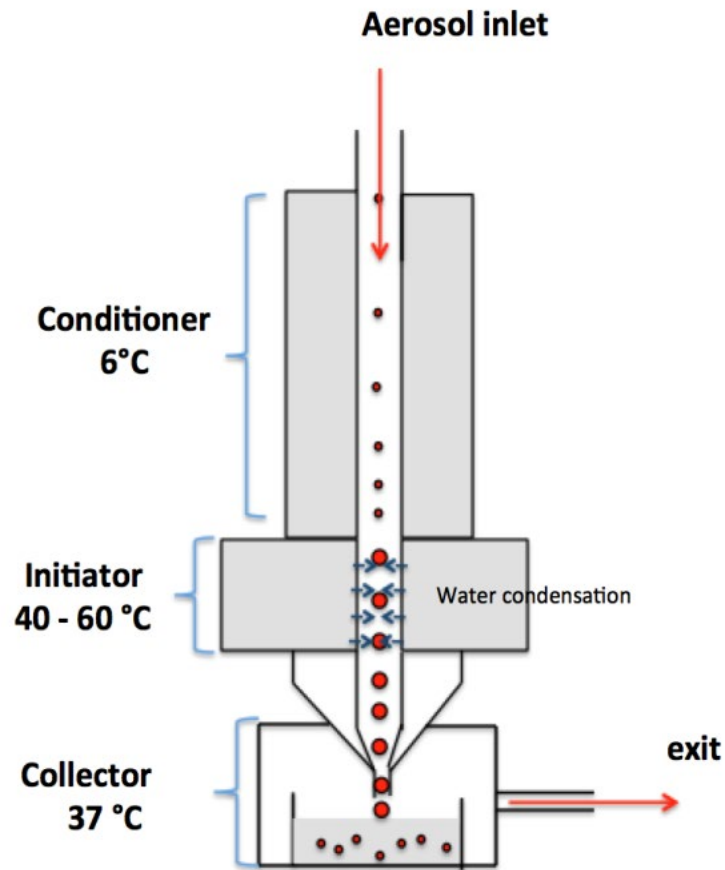
WH-Human_1(China)2019-Dec
BetaCoV/Wuhan/IPCAMS-WH-01/2019/EPI_ISL_402123
BetaCoV/Wuhan/IDC-HB-01/2019/EPI_ISL_402119
BetaCoV/Wuhan/IDC-HB-04/2020/EPI_ISL_402120
BetaCoV/Wuhan/IDC-HB-05/2019/EPI_ISL_402121
BetaCoV/Wuhan/WH04/2019/EPI_ISL_402124
M0772933 Bat SARS-related CoV (bat-SL-CoVZC45)
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Infectious Droplets & Droplet Nuclei Travel Lengths



Air Sampler for Virus Aerosols that Operates via a Water Condensation Process



Prototype of a highly efficient (effective) air sampler developed at UF that works well for collecting virus aerosols and maintaining the viability of the collected virus particles.

