With the outbreak of the COVID-19 pandemic, the CCC has initiated a series of non-medical, non-clinical-care research projects, that leverage CCC themes and approaches to explore new fundamental understanding of virus transmission, educate our students in the data analysis tools associated with the study of virus transmission, and engineer solutions to help address the global problem. Browse COVID-19 related projects that Center Labs are pursuing to help fight the current pandemic.

Manu Prakash (Stanford) [1]


Project 1000 x 1000: A cotton candy (rotary jet spinning) machine for distributed manufacturing of N95 mask filter material [3]

Utah-Stanford Ventilator [4]

A simple experiment test-rig for particle filtration efficiency through N95 grade mask [5]

N95Decon: A scientific consortium for data-driven study of N95 filtering facepiece respirator decontamination [6]

Simone Bianco (IBM)

Predicting the impact of asymptomatic transmission, non-pharmaceutical intervention and testing on the spread of COVID19 [7]

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Source URL: https://ccc.ucsf.edu/covid-19-related-work-and-news

Links
[3] https://docs.google.com/document/d/1aACcbkyZjR7nZy_wWeGQ9U2iGy0y4QajBeOL8RqAZlQ/edit
[5] https://docs.google.com/document/d/1zlnS5npxCCTHxyG_4F2spCf274HL31bDbiNRcHQRvNI/edit
[6] https://www.n95decon.org