Virtual Town Hall - 3D Printed Swabs

US Food and Drug Administration
National Institutes of Health
Department of Veterans Affairs

May 15, 2020
COVID-19 Supply Chain Response Partnership

FDA Virtual Town Hall:
May 15, 2020

Phil Cruz, Ph.D.
Computational and Structural Biologist
NIH 3D Print Exchange

Bioinformatics and Computational Biosciences Branch
Office of Cyber Infrastructure and Computational Biology
Office of Science Management and Operations, Office of the Director
National Institute of Allergy and Infectious Diseases
National Institutes of Health, Bethesda, Maryland
https://3Dprint.nih.gov

SARS-CoV-2 virion modeled on cryoelectron microscopy data. A. Athman, K. Browne, and P. Cruz (NIH/NIAID)

Visible Human Male Skull. K. Browne (NIH/NIAID)

Centrifugal Compressor by user sjwentwo

COVID-19 Response Collection Page


This collection represents a coordinated effort among the NIH/NAID, FDA, VA, and America Makes to support the manufacturing of personal protective equipment (PPE) or other necessary medical devices that are in short supply due to the COVID-19 pandemic. While many devices can be printed with a 3D printer at home or your local Maker space, the NIH, FDA, VA, and America Makes, and the contributing creators cannot ensure the quality, safety, and efficacy of these designs when manufactured without proper quality controls and processes. Before submitting designs or producing PPE, please read the

On Friday, May 15th, 2020, the FDA will host a virtual Town Hall meeting with representatives from the FDA, NIH, and the VA. We will discuss the COVID-19 Supply Chain Response collection partnership and considerations for design, manufacturing, and use of 3D printed swabs during the COVID-19 public health emergency. Visit the FDA event website for additional information.
COVID-19 Supply Chain Response

Curated by NIH/NIAID in collaboration with the U.S. Food and Drug Administration, the Veterans Healthcare Administration, and America Makes


420,000+ unique site visitors since MOU announcement

1,390% increase from previous period (2/10/20 – 3/26/20)

200,000+ views of collection home page | 1 million+ total views of designs in the collection

524 published designs | Builds: 130+

Usage analytics and published design counts up to date as of May 13, 2020

Image credits: Dr. Beth Ripley and Timothy Prestero.
Share Model - Open Source Labware & Devices

- GENERAL INFORMATION
- UPLOAD YOUR FILE(S)
- LICENSING AND TERMS
- 3D PRINTING INFORMATION
- CITATIONS AND AUTHORSHIP
- FOR ADMINISTRATOR USE ONLY

SUBMIT
https://3dprint.nih.gov/share
Current thinking on clinical considerations for swabs, on the site

Acknowledgements

James Coburn, FDA
Phil Cruz, NIH/NIAID
Matthew DiPrima, FDA
Meghan McCarthy, NIH/NIAID
Brandon Ribic, America Makes
Beth Ripley, VA
Joe Veranese, America Makes
John Wilczynski, America Makes

Thank you to the designers, manufacturers, and users for your contributions to the website and the NIH 3D Print Exchange development team at NIH/NIAID

This project has been funded in part with Federal funds from the National Institute of Allergy and Infectious Diseases, National Institutes of Health, under the NIAID BCBB Support Services Contract HHSN316201300006W/HHSN27220002. Mention of trade names, commercial products, or organizations does not imply endorsement by the U.S. Government.
Questions and feedback can be directed to 3Dprint@nih.gov
We encourage you to visit the resources available at these sites:

**Department of Veterans Affairs (VA) Innovation Ecosystem**

**National Institutes of Health (NIH) 3D Print Exchange**
- [https://3dprint.nih.gov/](https://3dprint.nih.gov/)

**FDA-NIH-VA MoU on 3D printing and additive manufacturing**