NIST BMD Seminar: Next Gen COVID19 vaccines

Event Type: IBBR Seminar Series
Contact Person: Nicole Tenly
Host: Mike Tarlov

Event Info
Date: Oct 4 2021 - 1:00pm to 2:00pm
Location: Virtual

Details
Speaker/Presenter: Deborah H. Fuller, PhD
Speaker Affiliation: Professor, Department of Microbiology, University of Washington School of Medicine; Division Chief, Infectious Diseases and Translational Medicine, Washington National Primate Research Center

Event Description:
Nucleic acid vaccines have emerged as the leading approach to combat the current COVID19 pandemic. However, there are still large regions in the world where vaccine distribution is sparse creating “vaccine deserts” where viral transmission and replication is occurring unchecked, increasing the likelihood of the emergence of a new variant of concern that could be resistant to current COVID19 vaccines. In addition, zoonotic transmission of a new betacoronavirus (CoV) remains a constant threat. The Fuller lab is developing next generation COVID19 DNA and RNA vaccine technologies that are stable at room temperature, can be self-administration and are capable of inducing long-lasting immunity not only against current circulating variants of concern but also, against the emergence of future variants and zoonotic outbreaks to prevent future pandemics.

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