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NIST BMD Seminar: "Structure-Function Studies of the SARS-CoV-2 Spike and Development of COVID-19 Interventions"

Event Type: IBBR Seminar Series

Contact Person: Nicole Tenly

Host: Mike Tarlov

Event Info

Date: Sep 7 2021 - 11:00am to 12:00pm

Location: Virtual

Details

Speaker/Presenter: Jason McLellan

Speaker Affiliation: University of Texas at Austin

Event Description:

During this presentation I will discuss my laboratory's collaborative work understanding the structure and function of coronavirus spike proteins, and how we leveraged this information to design novel vaccine antigens that are in four leading COVID-19 vaccines. I will also describe how we were able to rapidly determine the structure of the SARS-CoV-2 spike protein in early 2020 and leverage that information into the design of second-generation spikes that are more stable and express better than our initial antigen. I will also discuss our recent work on spike-directed antibodies.

Join Zoom Meeting

<https://umd.zoom.us/j/96992690266?pwd=WDdHeEVsMIIMS1dVbTYrbzhZYisdz09>

Meeting ID: 969 9269 0266

Passcode: 898440

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