

Students' Annual Webinar

Towards unravelling the binding mode of LRAD3 with Spike protein of SARS - CoV-2

Mrinmoy Jana

Spike protein of SARS-CoV-2 interacts with the human ACE2 receptor to initiate viral entry into the cell, which led to the recent outbreak of coronavirus diseases-2019. But low expression of ACE2 throughout the respiratory tract, the primary infection site of SARS-CoV-2, suggests alternative pathway of viral entry. Recently it has been reported that LRAD3 might act as an alternate receptor for spike protein. We chemically synthesized the predicted receptor binding domain of LRAD3 to decipher the binding mode of this protein with SARS-CoV-2 spike protein.

Friday, May 20th 2022

5:00 PM