



2022 Alber Science & Engineering Fellow

**Tulika Singh, Postdoctoral
fellow, Infectious Diseases and
Vaccinology, Harris Lab**



Tulika Singh is a first year postdoctoral fellow in the Division of Infectious Diseases and Vaccinology at the UC Berkeley School of Public Health in the Laboratory of Professor Eva Harris. Her research bridges cohort immunology, virology, and epidemiology to investigate B cell and antibody protection against dengue disease in populations. Tulika received her PhD at Duke University, where she conducted research on maternal immunity to Zika virus and identified a potent and early antiviral role for IgM antibodies. During her Master of Public Health at Johns Hopkins University, Tulika's research defined health systems strengthening opportunities for increasing childhood vaccine coverage in low-resource countries. Moreover, Tulika is an advocate for better global health and vaccine access, and serves on the board of the non-profit, Right to Health Action. As an Alber Science and Engineering Fellow, Tulika is spearheading development of novel tools for high-throughput detection and phenotyping of dengue virus-reactive B cells to evaluate cellular correlates of protection against symptomatic dengue. This project is in partnership with collaborators from Nicaragua, who have been leading the world's longest running arboviral cohort, and aims to further build scientific capacity on-site.