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*Broad Protection and Host Immunity of mRNA Vaccines
Against SARS-CoV-2 Variants*

Dr. Hu is a viral immunologist and an associate professor of Microbiology and Immunology at UTMB. He did his PhD training with the Nobel Laureate Dr. Drew Weissman at the University of Pennsylvania, followed by a postdoc training at the US Military HIV research Program of Walter Reed Army Institute of Research. He joined UTMB as an assistant professor in 2015 and was promoted to associate professor in 2021. Research in his laboratory investigates viral pathogenesis & host immunity (focusing on HIV/AIDS) and employs RNA platform to develop novel vaccines and therapeutics. In response to the COVID-19 pandemic, he and his collaborators have developed an mRNA vaccine that provides broad protection against emerging SARS-CoV-2 variants as a promising pan-COVID-19 vaccine candidate.