

Dr. Weina Sun is an Assistant Professor in the Department of Microbiology at the Icahn School of Medicine at Mount Sinai. She received her PhD in the Department of Veterinary and Biomedical Sciences at The Pennsylvania State University working on identification of host factors that are important to the assembly of Henipavirus. Dr. Sun did her post-doctoral training at the Icahn School of Medicine at Mount Sinai working on the development of universal influenza virus vaccines focusing on influenza B viruses. Dr. Sun co-developed the Newcastle disease virus (NDV)-based SARS-CoV-2 vaccine, which is currently advanced towards licensure in low- and middle-income countries. Her lab continues to work on development of universal influenza virus vaccine based on the “mosaic” HA approach and neuraminidase. In parallel, she is developing NDV-based vaccine for not only SARS-CoV-2 but also other viral pathogens, with a particular interest in vaccine-induced B cell responses and mucosal immunity.