



International Alliance for  
Biological Standardization



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Vanessa Sarathy is a Principal Scientist in MSD in Analytical R&D. Vanessa earned her Ph.D. in Microbiology and Biochemistry. During her Postdoctoral and Assistant Professor research appointments she studied viral pathogenesis including mouse models for evaluation of vaccines and therapies and next-generation sequencing to tackle challenges in the characterization of wild-type and live-attenuated viruses. Since coming to MSD in 2020, Vanessa has held appointments in vaccine potency and molecular virus safety. As lead for high-throughput sequencing characterization of vaccines, she has performed studies to support regulatory filings and contributed to the implementation of a virus sequence analysis software application. Vanessa is active in the Advanced Virus Detection Technologies Working Group as part of her commitment to the development of safe and efficacious vaccines.