NIST BMD/IBBR Seminar: Standardized AAV and LVV Viral Vector and Plasmid Manufacturing and Analytics

Event Type: IBBR Seminar Series  
Contact Person: Nicole Tenly  
Event Info

Date: Nov 24 2020 - 11:00am to 12:00pm  
Location: Virtual

Details

Speaker/Presenter: Jeffrey Huang  
Speaker Affiliation: Vigene Biosciences  
Event Description:  
Scalability and affordability are two of the main prominent challenges for the AAV and lentivirus-based cell and gene therapy supply. To meet the need for increased viral vector manufacturing, we propose to establish standardized AAV and lentivirus vector and plasmid manufacturing and analytics to ensure consistency of the productivity and to accelerate the release of GMP materials. Transfection efficiency, selection of producer cells, upstream production and downstream purification by chromatography as well as packaging plasmid manufacturing will be discussed. In addition, the newly launched AAV reference standards for AAV testing and analytics and their application for the standardized AAV testing will be overviewed.