Learning Objectives:

- Compare and assess the value of WGS to standard testing practices (i.e., Microarray, targeted panel, whole exome sequencing)
- Discuss online resources to identify treatment options for rare genetic disorders that can present in the neonatal period
- Summarize key evidence supporting use of first tier WGS in critically ill neonate patients
- Recognize how early diagnosis by WGS can enable a change in clinical management, including, shortened time to diagnosis, effective treatment options, avoidance of unnecessary testing, referral to specialists, opportunities for experimental treatment and/or decisions regarding palliative care.
- Review practical considerations for implementing WGS into a NICU setting with an emphasis on the consent and result disclosure processes.