Hands-on Training and Laboratory Workshop for CaliciNet

Course: CaliciNet Training Workshop (July 15-19, 2019)

Course Length: 4 days (Monday noon – Friday noon)

Goals and Objectives:

• Provide training for CaliciNet participants to become familiar with BioNumerics software and customized CaliciNet scripts.
• Provide laboratory training on current methods for the diagnosis and genotyping of norovirus.

Learning Objectives:

At the end of the course, participants will be able to:

1. Install BioNumerics software and CaliciNet scripts.
2. Create a CaliciNet database.
3. Import raw sequence data into BioNumerics and complete sequence editing (form contigs, etc.) to obtain qualified sequences for local or national databases.
5. List the steps needed to type norovirus sequences (Quick typing).
7. Import and export data into and from BioNumerics.
8. Describe the process for uploading entries to CaliciNet.
9. Describe laboratory methods for the molecular detection and genotyping of norovirus (real-time RT-PCR, conventional RT-PCR and DNA sequencing).
10. List the advantages and disadvantages of the use of different target regions of the norovirus genome for molecular detection or genotyping.