

Morning session: Tools of the Trade NGS

7:00-7:50 am Continental Breakfast/Registration/Check-in

7:50-8:00 am Welcome/Introductions

8:00-8:30 am **AgriSeq** by Thermo **Targeted genotyping by sequencing (GBS), overview of technology**

8:30-9:00 am **Illumina presentation, different aspects of NGS for diagnostics**

9:00-10:00 **Illumina Hands-on training**

10:00-10:15 am Break (snacks)

10:15-11:00 **CLC Genomics Microbial solutions capabilities update**

11:00-11:30 Quick break/grab lunch

11:30-12:15pm **CLC Genomics Q&A and Hands-on product orientation/ interactive session**

12:15-1:45 pm Topic: **CosmosID Capabilities and Hands-on training**

1:45 pm-2:00 Break (snacks)

Afternoon session: Applications of NGS

2:00-2:30 pm Dr. Laura Goodman, Cornell University College of Veterinary Medicine, "Bacterial WGS for Outbreak Investigations using Illumina MiSeq"

2:30-3:00 pm Dr. Rebecca Wilkes, University of Georgia College of Veterinary Medicine, "Targeted NGS for Infectious Disease Diagnostics in the Veterinary D-Lab using IonTorrent"

3:00-3:30pm Drs. Jianqiang Zhang and Ganwu Li, Iowa State University College of Veterinary Medicine, "Utilization of MiSeq for virus detection and characterization with PRRS virus as an example"

3:30-3:50 pm panel Q&A