



Droplet Digital™ PCR for Precise, Absolute Quantification Presentation

Friday December 18th 2015 in room 3503 (Stephens Room) in Thomas Hall

11:00am to Noon with Lunch served

Bio-Rad will present on Digital PCR, which is a breakthrough technology that provides ultrasensitive and absolute nucleic acid quantification. It is particularly useful for low abundance targets, targets in complex backgrounds, allelic variants (SNPs), and for monitoring subtle changes in target levels that cannot be detected with real-time PCR.

Applications of Droplet Digital PCR:

- [Copy number variation \(CNV\)](#)
Accurate CNV quantification in single wells
- [Detection of rare sequences in cancer and disease](#)
Detection of mutations and viral load below levels detectable by current tests
- [Pathogen detection and microbiome analysis](#)
Viral load and pathogen detection in organ transplants, soil, and food
- [Next generation sequencing](#)
Amplification and accurate quantification of NGS libraries with validation of sequencing results
- [Gene expression analysis](#)
Detection of rare mRNAs and miRNAs with rapid turnover
- [Single cell analysis](#)
High sensitivity make it a robust tool for single-cell analyses

Hosted by: Genomic Sciences Laboratory
(GSL) at NCSU

Contact:

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