



TECHNICAL WORKSHOPS



Sponsored by Life Technologies and SQI Equipment Core

Friday, October 24, 2014

10:00AM-12:00 PM

Searle Seminar Room

Lurie Research Center

303 East Superior Street

Refreshments will be served

Space is limited, please register in advance to reserve your spot,
lifetechnologies.com/eventregistration

10am-11am *Real-Time PCR Basics and Applications*

Speaker: Mike Troutman, Sr. Scientific Liaison Manager, Genetic Analysis

- Introduction to Real-Time PCR: terminology, reaction components, amplification, assay design, optimization, reference and control options.
- Applications & Solutions using Real Time PCR
- DNA: Mutation detection, single nucleotide polymorphisms (SNP) analysis & high resolution melt curve studies
- RNA: Gene expression & small RNA analysis



11am-12pm *Digital PCR for sensitive and precise DNA quantitation*

Speaker: Scott Reierstad, Field Applications Scientist

- Digital PCR (dPCR), a powerful new approach to DNA detection and quantification
- Limits of sensitivity and precision of conventional Real-Time PCR for absolute quantification and rare allele detection
- Technology and appropriate applications for dPCR
- Innovative dPCR platforms offered by Life Technologies, including the Quantstudio™ 12K Flex and 3D systems



For more information, contact

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