

Join us for a technical seminar

Learn about real-time PCR and emerging applications

Wednesday, August 10, 2016

Institution: Louisiana State University
Room: 1205 (First Floor)
Location: 1 Skip Bertman Drive, Baton Rouge, LA
Time: 10:00 a.m., refreshments will be served

Applied Biosystems™ TaqMan™ Protein Assay II: fast and sensitive

Learn more about this new and exciting area of protein analysis using real-time PCR. Combining the best of two worlds, this highly sensitive assay combines protein selection through antibody binding coupled with real-time PCR detection. This new version can detect targets with 10x less cells in half the time of standard assays.

Real-time qPCR basics

This session provides a basic understanding of real-time PCR. This seminar includes an introduction to real-time PCR terminology, reaction components, amplification, assay design, optimization, and reference and control options.

Applications and solutions

This seminar reviews associated applications when working with DNA, RNA, and protein analysis. DNA applications include mutation detection, single nucleotide polymorphisms, and high resolution melt. RNA applications reviewed are gene expression and small RNA. The final section of the talk examines protein expression and thermal shift applications.

Demystifying real-time PCR cycle threshold

Are early cycle thresholds really better? By understanding what factors affect changes in this intermediate value, researchers can determine the best path for completing real-time PCR experiments with confidence. This includes working with both DNA and RNA in relation to input starting material, reaction efficiency, and reverse transcription.

Product evaluation strategy: qPCR master mix

Concerned about selecting the correct product? Find out how to properly evaluate any product by following simple guidelines customized to fit individual needs. This seminar delivers a flexible systematic approach for criteria selection, weighting, scoring, and determination of the best overall performing product.

To register for this event, go to: thermofisher.com/eventregistration

To find out more, contact:

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Mike Troutman has worked in the genomics industry for over 25 years. He graduated from UCSD with a degree in microbiology. He has a

background in research and development with qPCR multiplex optimization for high-throughput screening of cohorts relating to human disease. Mike was a field application scientist for over 12 years, covering many areas, including qPCR, sequencing, and microarrays. He also has over 8 years of experience in qPCR training in the areas of field applications, sales, and the development of e-learning tools.

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