appliedbiosystems

Join us for a technical seminar

Learn about real-time PCR and emerging applications

Wednesday, May 18, 2016

Institution: University of Colorado
Location: Boulder
Room: B115 JSCBB
Time: 10:00 a.m.–2:00 p.m., lunch will be provided

Real-time qPCR basics - 10:00 a.m.

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 - 11:00 a.m.

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 - 12:00 p.m.

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 - 1:00 p.m.

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.

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.

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

To find out more, contact:
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