

# Join us for a technical seminar

Learn about real-time PCR and emerging applications

Wednesday, October 26, 2016

Institution: Fred Hutchinson Cancer Research  
Room: Pelton Auditorium  
Location: 1100 Fairview Ave N, B1-065, Seattle WA  
Time: 1:00–3:00 p.m., refreshments will be served

## 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.



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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