

**Bio-Rad**

# Droplet Digital PCR Seminar



Learn how scientists are using ddPCR technology for absolute quantification of copy number variation, pathogen detection, detection of rare mutations, genome editing, NGS library qualitative/quantitative analysis and NGS data validation.

**Wednesday, October 4**  
**UC Riverside**

**10 AM–12 PM**

**Introduction to Droplet Digital PCR**  
Genomics Building Auditorium  
1102A & Lobby

**1–3 PM**

**qPCR Tips and Tricks Workshop**  
Keen Hall  
Conference Room 2018

**SPEAKER**

**Katie Orban, PhD**

Field Application Scientist  
Bio-Rad Laboratories

Droplet Digital PCR provides absolute quantification of target DNA or RNA without the need for a standard curve, providing orders of magnitude greater precision and sensitivity than real-time PCR. By partitioning reactions into droplets researchers can now:

- Accurately quantify rare mutations in an excess of wildtype background DNA
- Differentiate germline copy number variations
- Titer therapeutic viral vectors (AAV, CAR-T)
- Precisely detect and quantitate bacterial pathogens, AMR genes
- Determine small fold changes in gene expression

See how the QX200/QX600 Droplet Digital PCR Systems redefine a new era of molecular research by enabling exploration of complex genetic landscapes and new disease associations.



**To learn more:**

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**Hosted by:**

UC Riverside Genomics Core  
Institute for Integrative Genome Biology

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