



## How Droplets Can be Used for Cancer Detection: Seamless Transition from Bench to Clinic

### Abstract:

Liquid biopsy, a noninvasive technique for capture and isolation of plasma DNA, is a rapidly emerging field that addresses the unmet clinical need in cancer diagnostics based on cell-free circulating tumor DNA (ctDNA) and cell-free plasma DNA (cfDNA). The merge between liquid biopsy and droplet-based ddPCR has been rapidly expanding in the cancer diagnostics and pathology space due to its application for accurate and sensitive detection of biomarkers and genetic variants from patients with cancer. The learning objectives are:

### Learning Objectives:

- What is Droplet digital PCR (ddPCR) technology?
- ddPCR in cancer detection and monitoring
- ddPCR assays for ctDNA genotyping (plasma genotyping)
- microRNA – potential for liquid biopsy

### Presenter:

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### Date:

April 19, 2018 .

### Time:

3:00 – 4:00 pm

### Location: .

BR 5-20/21, OICR .

### Event Organizers: .

Vanya Peltekova, Ph.D. .  
Lead, BioLab, OICR .

Sean Wells, BioRad,  
Haya Sarras, Ph.D., BioRad .

### RSVP .

RSVP by email: .  
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Refreshments will be provided

