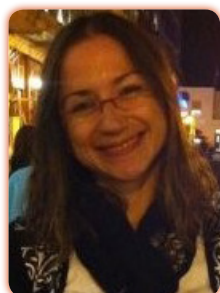


HUMAN GENETICS & GENETIC DISEASES

MOLECULAR MEDICINE & DIAGNOSTICS

April 19-20, 2018 Dubai, UAE



Ayca Ulgen

Bio Rad Laboratories, United Arab Emirates

Droplet Digital PCR: A sensitive diagnostic tool in molecular medicine

Droplet Digital PCR partitions a DNA or RNA sample into 20,000 droplets and amplifies targeted sequences within each droplet which allows scientists to precisely detect and quantify low concentrations of target DNA and RNA sequences. ddPCR enables a range of important genomic applications, including cancer mutation detection, gene copy number determination, viral load monitoring, gene edit detection and CRISPR. The high sensitivity, specificity and reproducibility of droplet digital PCR technology, as well as its rapid turnaround time and affordability, have led to its explosive uptake in molecular diagnostic and research area.

Biography

Ayca Ulgen is a Molecular Biologist working as Business Development Manager in Bio Rad Laboratories. She has studied molecular biology, genetics and biotechnology. After academia, she has worked as a Researcher in R&D, responsible for genomics and cell biology divisions. She has been working in global biotech companies to promote new technologies in research and diagnostic areas. She continues her carrier in Bio Rad Laboratories starting from 2015.

ayca_ulgen@bio-rad.com

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