

## Special Issue

# Integrated Photonic Digital PCR Techniques

### Message from the Guest Editors

PCR technology has developed over several decades and through three generations due to the utilization of various techniques. As the world has recently experienced COVID-19, PCR technology has become necessary for rapid and early diagnosis. Recently, quantitative analysis has become possible with the development of a fast molecular diagnosis and digital PCR, and the expectations of molecular diagnosis have increased as ultra-fast digital PCR technology has been developed using light energy and energy conversion technologies. Photonic digital PCR is a molecular analysis technique that enables the precise quantification and amplification of DNA or RNA molecules in a sample. This method offers exceptional sensitivity and accuracy by partitioning the sample into thousands of individual reaction volumes, each containing a limited number of target molecules.

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### Deadline for manuscript submissions

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