

# 5<sup>th</sup> International Conference on **Biomarkers & Clinical Research**

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## **Nanoscale spotting: Ultra-low volume dispensing to enable high-throughput experimentation**

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The need to successfully deposit very small volumes of biological and chemical samples on devices exists across a wide range of applications in research and diagnostics, such as microarray spotting on glass surfaces, and depositing samples on pre-defined microfluidics targets. Our non-contact dispensing technology has been optimised to reliably and accurately deliver ultra low volume drops in the 70 to 800 picoliter range. The technology has been designed to facilitate a very smooth transition from basic R&D activities all the way to full manufacturing-scale utilization. The presentation will illustrate how this is implemented in a wide range of applications.

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