



MedGenome Expands Its NGS Capabilities in research

02 February 2018 | News

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MedGenome has expanded its capacity at its Foster City, Calif., headquarters laboratory, adding HiSeqX and NovaSeq 6000 platforms to meet the rising demands for Next Generation Sequencing (NGS) in research and clinical settings.

The new additions increase MedGenome's data-generation capability by a factor of five. Additionally, availability of a wide range of sequencing platforms gives MedGenome the flexibility to provide customized services at scale, thousands of whole genomes a month and deliver high quality data quickly at a competitive price.

The NGS lab has also added sample processing automation from Agilent to support the sequencing capacity.

To capture the power of single cell sequencing, MedGenome has started the Chromium™ Genome Solution from 10X Genomics, for use in multiple applications, including whole-genome phasing and structural-variant analysis, de novo genome assembly, remapping of difficult regions of the genome, and dynamic gene expression of single cells.

The new platform allows deconstruction of complex tissue microenvironments at single cell resolution, which enables biomarker discoveries in the area of cancer immunotherapy.