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analysis.<sup>1</sup>

# HPC-based COVID-19 Single-Cell RNA Sequencing

Understanding how the novel corona virus (called SARS-CoV-2) responsible for the COVID-19 pandemic works is an important step in developing successful treatment. Charité and the Berlin Institute of Health (BIH) are using Intel's high performance computing (HPC) architecture to successfully perform compute intensive RNA sequencing on the single-cell level in a highly efficient manner. BIH consulted with Intel, Dell and system integrator System Vertrieb Alexander GmbH (SVA) to develop a solution that was both technically and economically optimized. The solution takes advantage of Intel's expertise in genomics analytics and uses the Intel® Select Solution for Genomics Analytics hardware configuration.

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<sup>1</sup> For more complete information about performance and benchmark results, visit <https://www.intel.com/content/www/us/en/customer-spotlight/stories/berlin-institute-health-customer-story.html>