

## Customer Success Story



# TGen, Dell Technologies, and Intel Bring HPC to Research and Clinical Care

The nonprofit Translational Genomics Research Institute (TGen), an affiliate of City of Hope, applies technologies to the human genome. Their goal: help physicians and researchers move discoveries into the clinic at an accelerated pace to better diagnose, treat, cure and prevent diseases based on underlying genetic causes. In collaboration with Dell Technologies and Intel, TGen has built a high-performance computing (HPC) infrastructure that is optimized for life sciences. It includes Intel® Xeon® Scalable processors and Dell rack servers such as the PowerEdge R640 and C4140 and the PowerEdge M1000e blade enclosure. The HPC infrastructure also takes advantage of Intel® Optane™ memory, which increases storage capacity and system acceleration. This partnership has sped up the process and helped save lives.

“Both Intel and Dell remain committed to the goal of improving human health with TGen. We’re planning the next generation of our system, and their engineers are helping us solve our data processing and throughput challenges.”

**Dr. Nicholas Schork,  
Distinguished Professor and  
Director of Quantitative  
Medicine and Systems  
Biology Division, TGen**

### Products and Solutions

[Intel® Xeon® Scalable processors](#)

[Intel® Optane™ memory](#)

### Industry

Health and Life  
Sciences,  
Biotechnology

### Organization Size

11-50

### Country

United States

### Partners

[Dell Technologies](#)

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