



Life Sciences
Japan



"We have boosted our analytical capacity and our sample sizes, giving us a major leg up in terms of the accuracy of our data analyses."

Professor Kengo Kinoshita, Ph. D.

Deputy Executive Director of ToMMO and Director, the Center for Genome Platform Projects

Accelerating Genomic Medicine Research with Shared Computational Resources

Expanded capacity, improved performance and flexible build capabilities provide improved biobank functionality for analysis, simulations and data access.

Customer Needs

- Increased performance for simulations and additional storage capacity
- Enable external access for data analysis and sharing
- Move large amounts of data without system outages
- Minimize costs while updating the system
- Building a foundation for a countrywide initiative across all of Japan.

Results

- Improved performance delivering to the needs of each computational unit
- Provided a platform with simple future capacity expansion
- New data access capabilities enabled wider sharing of data and increased collaboration.



Performance

System enables fast data analysis for GPU-based simulations



Flexibility

Enabled external data access for new data analysis use cases and research sharing



Scale

Expanded capacity, improving functionality



Experience

Migration complete within two days and no interruptions to research activity

This article was drafted based on interviews conducted at the Tohoku University Tohoku Medical Megabank Organization on January 31, 2019.

About DDN

DataDirect Networks (DDN) is the world's leading big data storage supplier to data-intensive, global organizations. DDN has designed, developed, deployed, and optimized systems, software, and solutions that enable enterprises, service providers, research facilities, and government agencies to generate more value and to accelerate time to insight from their data and information, on premise and in the cloud.