

CeDiGe 23

Centrum Digitální Genomiky 23
Centre for Digital Genomics 23
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Institute of Applied Biotechnologies Successfully Implements New Hardware and Software Infrastructure to Enhance Genomic Sequencing Services

The Institute of Applied Biotechnologies (IAB) is pleased to announce the successful completion and implementation of its new Infrastructure, starting the Centre for Digital Genomics. The infrastructure is now fully operational and set to serve its purpose of improving efficiency and accuracy in genomic sequencing services.

This new complex of hardware and software systems is specifically designed to support the growing demand for next-generation sequencing (NGS) in diagnostics, particularly in areas such as oncology, metabolic disorders, and prenatal testing. The LIMS system will automate complex sample handling processes, allowing IAB to offer faster, more reliable, and cost-effective sequencing solutions to its clients, while the hardware infrastructure will provide capacity of storage and processing of data even for the largest projects.

The implemented system ensures better management of large genomic datasets, reduces human error, and streamlines the analysis of sequencing data. Additionally, the system allows for more efficient use of reagents, monitoring of sequencing equipment, and comprehensive data reporting.

The IAB team is excited to start using the new system to enhance its services, providing quicker results while maintaining high standards of quality, essential for personalized medicine and advanced genetic research.



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