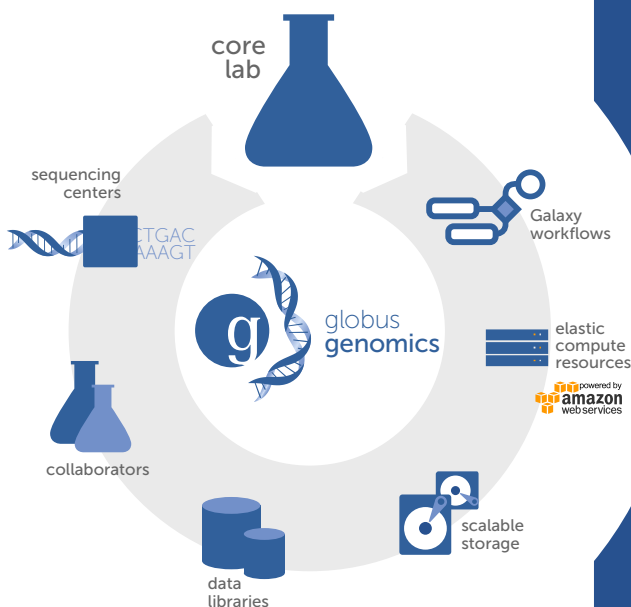# Globus Genomics for Core Labs

End-to-end sequencing analysis. Flexible, scalable, simplified.

globus genomics

Globus Genomics is an indispensible platform for Core Labs (bioinformatics, sequencing, HPC) to meet their customers' needs for cost-effective, large-scale NGS analysis. Globus Genomics provides a flexible, extensible solution to address the varying analysis and resource requirements of bioscience researchers, through powerful data management tools, customized workflow environments, and cloud-based elastic computational infrastructure.


core lab

sequencing centers

CTGAC AAAGT

globus genomics

collaborators

data libraries

Galaxy workflows

elastic compute resources

powered by amazon web services

scalable storage

Focus on collaborations, not IT.

✔ Add powerful data management and data sharing capabilities to your service offerings

✔ Develop, validate and refine your own innovative custom pipelines

✔ Add your own home-grown algorithms and tools via an intuitive workflow environment

✔ Provide best-practice pipelines to your customers, and a self-help genomics analysis capability for more standard NGS needs

✔ Provide scale-out options for ever changing workloads and peak resource requirement

✔ Increase your capacity to deliver cost-effective, and high-performance analysis solutions

"At ICBI, we are working very closely with leading researchers to advance the frontiers of genomic science. By adopting Globus Genomics, we are much better positioned to deliver on our mission to enhance clinical and translational research at the medical center."

Dr. Subha Madhavan, Director of the Innovation Center for Biomedical Informatics
Georgetown University Medical Center

share move sync
BIG DATA
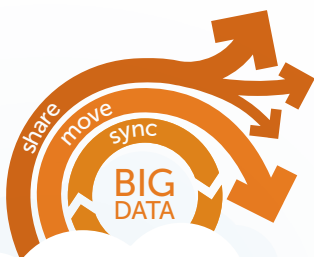
Learn more at **globus**.org/**genomics**

Data Management

Globus Genomics provides advanced data transfer, sharing, and management, powered by Globus. It is designed to deliver NGS data from sequencing centers to the integrated analysis platform quickly, securely, and reliably. Globus is used to move hundreds of terabytes of data each month, and is the preferred file transfer capability at dozens of research campuses and sequencing centers worldwide.

globus

Workflow

Globus Genomics offers an extensible analysis environment, powered by the Galaxy workflow platform. It enables construction of custom pipelines, drawing from a workbench with hundreds of applications and algorithms. Additional tools may be rapidly integrated to extend the scope of your pipelines.

Galaxy

Computation

Globus Genomics leverages scalable, elastic computational infrastructure, powered by Amazon Web Services. It provides virtually unlimited capacity that dynamically adjusts to varying workload and data storage requirements, and allows you to take advantage of tools that run more efficiently on different platforms (e.g. GPU, mapReduce, MPI).

powered by
amazon

Ci Computation Institute

THE UNIVERSITY OF CHICAGO