

HPC Application Development

Intro

Cancer researchers generate a massive amount—and high volume—of data. This presents continual challenges for scientists to access, analyze, manage, and share their data with other researchers across the globe. Scientific computational tools must be robust, reliable, effective, and affordable.

At NCI, we have developed innovative High Performance (HPC) and Scientific Computing services that offer reliable, high-speed data management and information delivery solutions to help investigators accelerate and advance their cancer research.

We work closely with investigators across NCI to develop, optimize and/or validate HPC applications—and computing technologies—that enable rapid data transfer and provide effective data management.

What We Do

We optimize and develop HPC applications to improve performance and increase speed on (HPC) systems.

Our Service Includes

HPC Application Optimization

- We help your scientific applications run faster on HPC systems

HPC Application Development

- Creation of new applications and algorithms for high-performance computing (HPC) systems

Script and Workflow Development for applications that use HPC resources. This includes:

- Job submission
- Data transfer
- Integration of multiple applications

FAQ

How Much Does It Cost?

There is **no cost to you** for this service.

How Does It Work? What Do I Need to Do?

If you're not sure what you need or if you need guidance on using high performance computing, we're here to help. Use the [Request Service button](#) to request a consultation or to request HPC application development.

See the [NCI High Performance Computing \(HPC\) Program wiki](#) for details on our high performance computing services.

When is the Service Available?

The service is available during normal business hours: **Monday through Friday, 8:00 a.m. to 5:30 p.m., excluding holidays.**

How Long Does It Take to Receive the Service?

We generally respond to service requests within 1 business day.

Additional Resources

For information about the NIH HPC Systems see the [NIH HPC Systems website](#).

Related Services

[High Performance Computing \(HPC\) Consultation](#)

[High Performance and Scientific Computing Data Transfer Resources](#)

[search Helpful Links](#)



Questions?

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