

# Cyberinfrastructure Resources for Bioinformatics Research

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## NCGAS

*(The National Center for  
Genome Analysis Support)*

Funded by the NSF to provide computational support to genomics researchers. IU has contributed the Mason large-memory cluster to support NCGAS. Support is also available at no additional cost for genomics researchers completing work on Rockhopper.

<http://ncgas.org>

## Rockhopper at IU

*Faster and cheaper than AWS*

Core hours on the Rockhopper Penguin on Demand cluster, located in IU's secure data center in Bloomington, Ind., are available for purchase to anyone at a .edu or FFRDC. This a REAL HPC cluster, not a bunch of VMs, and is priced at a fraction of services like AWS.

<http://podiu.penguincomputing.com>

## XSEDE

*(The eXtreme Science and  
Engineering Discovery Environment)*

A coalition of academic supercomputing centers, led by NCSA and funded by NSF, that provides computational resources and support for scientific discovery.

<http://xsede.org>

## Campus Bridging

*XSEDE services to the academic community*

Aims to ease the transition between resources such as researcher laptops and national-scale cyberinfrastructure, including any "stops" along the way, by providing hardware, software, support, and outreach.

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