

# AVAILABLE NOW

## ***Computer Cluster***

The Bioinformatics Facility has received a new computer cluster following the successful Major Equipment Competition proposal submitted by Dr. J. Peter Gogarten. This computer cluster will offer a significant improvement over the current system by helping to perform metagenomics, phylogenetics and next generation sequencing analyses in a more manageable timeframe. The new cluster includes:

- 16 nodes each equipped with 2 x Quad-core 2.53 GHz Intel Xeon processors for a total of 128 CPUs
- 32 GB of memory per node
- 6 Terabytes of storage capacity

This type of configuration will allow more flexibility in terms of memory usage and parallel job distributions. In addition, the Facility will acquire a license for Mascot, a powerful and popular search engine that uses mass spectrometry data to identify proteins from primary sequence databases. The usage of this new system as well as Mascot will be available for students and faculty at all of the University's campuses.

