



Could you use up to \$1500 in core bucks for use with any of the services provided by the LBRN Bioinformatics, Biostatistics and Computational Biology Core?

The Bioinformatics, Biostatistics, and Computational Biology Core serves to train and support project investigators and their teams across Louisiana. It works to enable Louisiana Biomedical Research Network project PIs and their teams to employ Louisiana cyberinfrastructure and high-performance computing to provide bioinformatics services, training, and educational support.

The core provides bioinformatics training, conducts workshops, and provides bioinformatics analysis services. The core also provides access to the IBM Delta Cluster and has a dedicated allocation for the high-performance computing resources at Louisiana State University.

The core maintains software licenses and access to Ingenuity Pathway Analysis (IPA), Partek Flow, DNASTAR, and Ion Torrent analysis software. In addition, several open source tools for bioinformatics such as bowtie, tophat, cufflinks, samtools, GATK, QIIME2, DADA2, Phyloseq, etc. are installed and maintained.

Some examples of standard bioinformatics workflows that can be supported through core bucks requests:

- Gene Pathway Analysis
- RNA-Sequencing Processing and Analysis
- 16S rRNA Microbial Community Analysis
- ITS2 Fungal Community Analysis

Other workflows can be developed or adapted from existing software on an as needed basis.

For more information, see: <https://lbrn.lsu.edu/cores.html>

- **To apply for core bucks contact your institutional representative:**
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- **For technical questions regarding core services, contact Dr. Emmanuelle Ruiz at eruiz10@lsu.edu or Dr. Nayong Kim at nykim@cct.lsu.edu**
- **For administrative questions regarding core services, contact Dr. Brent Stanfield bstanf5@lsu.edu or Dr. Christopher Taylor ctay15@lsuhsc.edu**