

Bioinformatics Services

Consultations

Consultations are provided free of charge. A Wright Center bioinformatics staff member will meet with you to discuss your bioinformatics needs and determine how to best be of assistance. If you want to carry out your own bioinformatics analysis, but have questions along the way, we are available to help as needed. We can also provide advice on the design of microarray and NGS experiments. Please contact us to set up an appointment cctrbioinfo@vcu.edu.

Data Analysis

We provide a variety of data analysis services for genomic data from microarray to next-generation sequencing. If the specific service you need is not listed below, please contact us to discuss options.

- NGS Quality Control and Analysis for DNA- and RNA-Seq data
- Variant (SNP & Indel) Discovery
- Copy Number Variant Analysis
- Gene expression analysis (Microarray and RNA-seq)
- Gene set enrichment and functional analysis
- Small Genome Annotation
- Single Cell RNASEq (scRNASEq) Analysis
- Analysis of PDX sequencing data

Repository Submission

Most journals require genomic datasets to be submitted to a public repository such as GEO or dbGaP (for controlled-access data). If you would like assistance with this process for your dataset, contact us for more information.

Public Database Access

Wright Center bioinformatics staff members can work with you to obtain access to controlled-access datasets like TCGA for analysis. Aid in gaining access to public data without bioinformatics analysis services is complimentary. Please contact us for more details regarding your specific project.

Manuscript/Grant Writing

We will aid in the writing of manuscripts and grants for any project in which we have or will be involved with by writing methods sections, preparing figures of data we have processed and participating in the editing cycle (see authorship clause on website for more details).

Long-term Research Support

Having dedicated bioinformatics support can be essential for obtaining project funding. Written in as a percent effort on grants, we can provide comprehensive bioinformatics support, specifically tailored to the evolving needs of long-term research projects.