Next Generation Sequencing Research Project Resources

I know what I need: Yes \(\rightarrow\) Quick Reference Card

Statistical study design assistance: Yes \(\rightarrow\) Biostatistics, Epidemiology, and Research Design Core

Technical study design assistance: Yes \(\rightarrow\) UPMC Genome Center

Sequence my samples: Yes \(\rightarrow\) UPMC Genome Center

Illumina NovaSeq
  - Whole Genome
  - > 500 Exomes
  - > 300 RNA Seq Libraries

Health Sciences Sequencing Core at CHP
  - RNA
  - Exome
  - Epigenetics
  - ATAC
  - MeDIP
  - HIC

Center for Medicine and the Microbiome
  - Illumina MiSeq
  - Microbiome

Genomics Research Core
  - Thermo PGM, Proton
  - AmpliSeq
  - Mitochondrial
  - Microbial
  - 10X Chromium
  - Single Cell

Analyze sequence data

Molecular Biology Information Service at HSLS

Need Software and training: Yes \(\rightarrow\) Molecular Biology Information Service at HSLS

Analyze my own data: Yes \(\rightarrow\) Pittsburgh Supercomputing Center

Need Software and training: No \(\rightarrow\) Need Computing

Need more than 2M core hours: Yes \(\rightarrow\) Center for Research Computing

Need more than 2M core hours: No \(\rightarrow\) Done

Need computing: Yes \(\rightarrow\) Need Software and training

Done

Resource Types

KEY:

- Study Design & Consultation
- Sample Sequencing
- Information
- Data Analysis
- Computing and Data Storage