**Genomic Sequencing Technologies**

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| **Sequencing Technologies** |
| |  | | --- | | **High Throughput**  <https://grcf.jhmi.edu/dna-services/sequencing/high-throughput-sequencing/>  **Long Read Sequencing**  <https://grcf.jhmi.edu/dna-services/sequencing/long-read-sequencing/>  **Medium Throughput**  <https://grcf.jhmi.edu/dna-services/sequencing/medium-throughput-sequencing/>  **PCR Support**  <https://grcf.jhmi.edu/dna-services/sequencing/pcr-support/>  **Pyrosequencing**  <https://grcf.jhmi.edu/dna-services/sequencing/pyrosequencing/>  **Sanger**  <https://grcf.jhmi.edu/dna-services/sequencing/sanger-sequencing/>  **Whole Exome/Targeted**  <https://grcf.jhmi.edu/dna-services/sequencing/whole-exome-targeted-sequencing/>  **Whole Genome**  <https://grcf.jhmi.edu/dna-services/sequencing/whole-genome-sequencing/> |  |  | | --- | | **Related data files formats**  Sanger FASTQ  alignment files  variant calls  Annotated variant lists  SNPS/indels in VCF format  BAM alignment files  QC report  BED files for regions targeted  Genotyping files |  |  | | --- | | **RNA-seqlopedia**  [**https://rnaseq.uoregon.edu/**](https://rnaseq.uoregon.edu/)  provides overview of RNA-seq and of the choices necessary to carry out a successful RNA-seq experiment.  Experimental Design, RNA Preparation, Library Preparation, Sequencing, Analysis  Research Areas of RNA biology include:  RNA structure analysis  RNA alignment  RNA annotation  RNA-protein interaction  RNA-seq analysis  RNA target prediction  ribosome profiling | |