

CONCEPT: BIOINFORMATICS

- **Bioinformatics** is the combination of computer science and biology to evaluate vast amounts of data
 - DNA sequencing generates a lot of _____ and bioinformatics helps organize it
 - **Basic Local Alignment Tool (BLAST)** is a software that can compare DNA or protein sequences
 - Examine conservation of genes among organisms, or variation within the human population
 - **Transcriptomics** is the entire set of RNA molecules produced by a genome at any time
 - **Proteomes** are the entire set of structural and functional properties of every protein produced by a genome