Applications

1. Whole Genome Sequencing:
    a. Variant Detection
    b. *De Novo* Sequencing
    c. Genome Structure
    d. Epigenetics
2. Targeted Sequencing:
    a. Human Genomics
    b. HLA Sequencing
    c. Plant + Animal Sciences
    d. Microbial + Infectious Disease Research
3. RNA Sequencing:
    a. Human Transcriptome Studies
    b. Plant + Animal Transcriptome Studies
    c. Single-Cell Transcriptome Studies
4. Epigenetics Sequencing:
    a. Human and Eukaryote Epigenetics
    b. Microbial Epigenetics
5. Metagenome Sequencing