**INSILICOSEQ - A SEQUENCING SIMULATOR:**

InSilicoSeq is a sequencing simulator producing realistic Illumina reads, can also be used to produce sequencing data from a single genome.

InSilicoSeq is written in python and use kernel density estimators to model the read quality of real sequencing data.

InSilicoSeq support substitution, insertion, and deletion errors.

**Installation:** conda install -c bioconda insilicoseq

Note: Insilicoseq requires python >= 3.5

**Two subcommands:** iss generate to generate Illumina reads and iss model to create an error model from which the reads will take their characteristics.