### ILLUMINA



#### MiniSeq System

Power and simplicity for targeted sequencing.



#### MiSeq Series

Small genome and targeted sequencing.



#### NextSeq Series

Everyday genome, exome transcriptome sequencing, and more.



#### HiSeq Series

Production-scale genome, exome, transcriptome sequencing, and more.



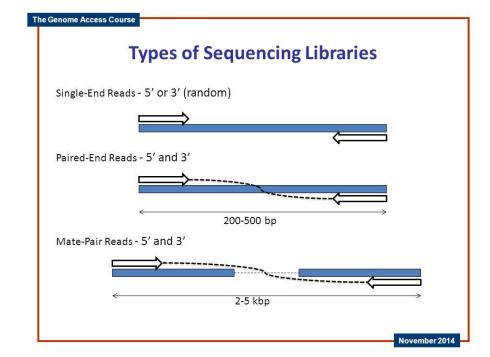
#### HiSeq X Series

Population- and productionscale human whole-genome sequencing.



#### NovaSeq Series

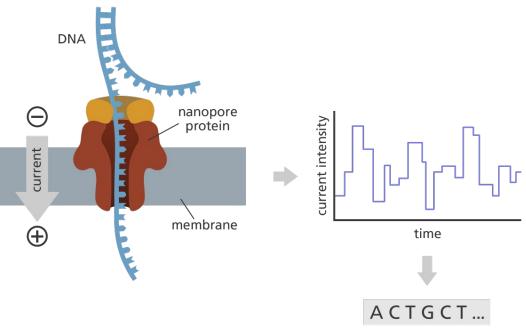
Population- and production-scale genome, exome, transcriptome sequencing, and more,



- Short-reads sequencing
- 25 to 300bp
- A large choice of sequencing machine

# Oxford Nanopore Technologies





## PACIFIC BIOSCIENCES (PACBIO)



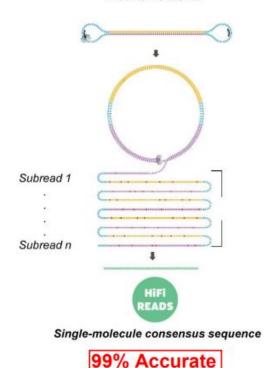
SEQUEL (I or II)

Hifi = High Fidelity

#### TWO MODES OF SMRT SEQUENCING

#### Circular Consensus Sequencing (CCS) Mode

Inserts 10-20 kb

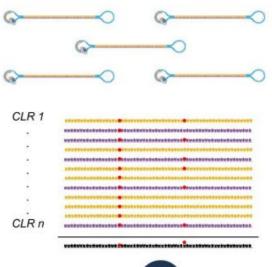


Single molecule;

multiple reads

### Continuous Long Read (CLR) Sequencing Mode

Inserts >25 kb, up to 175 kb





Multi-molecule consensus sequence

90% Accurate

Multiple molecules; single reads