

Computational Biology -

Sequencing DNA

1. isolate

2. Purify

3. multiply (PCR)

4. apply

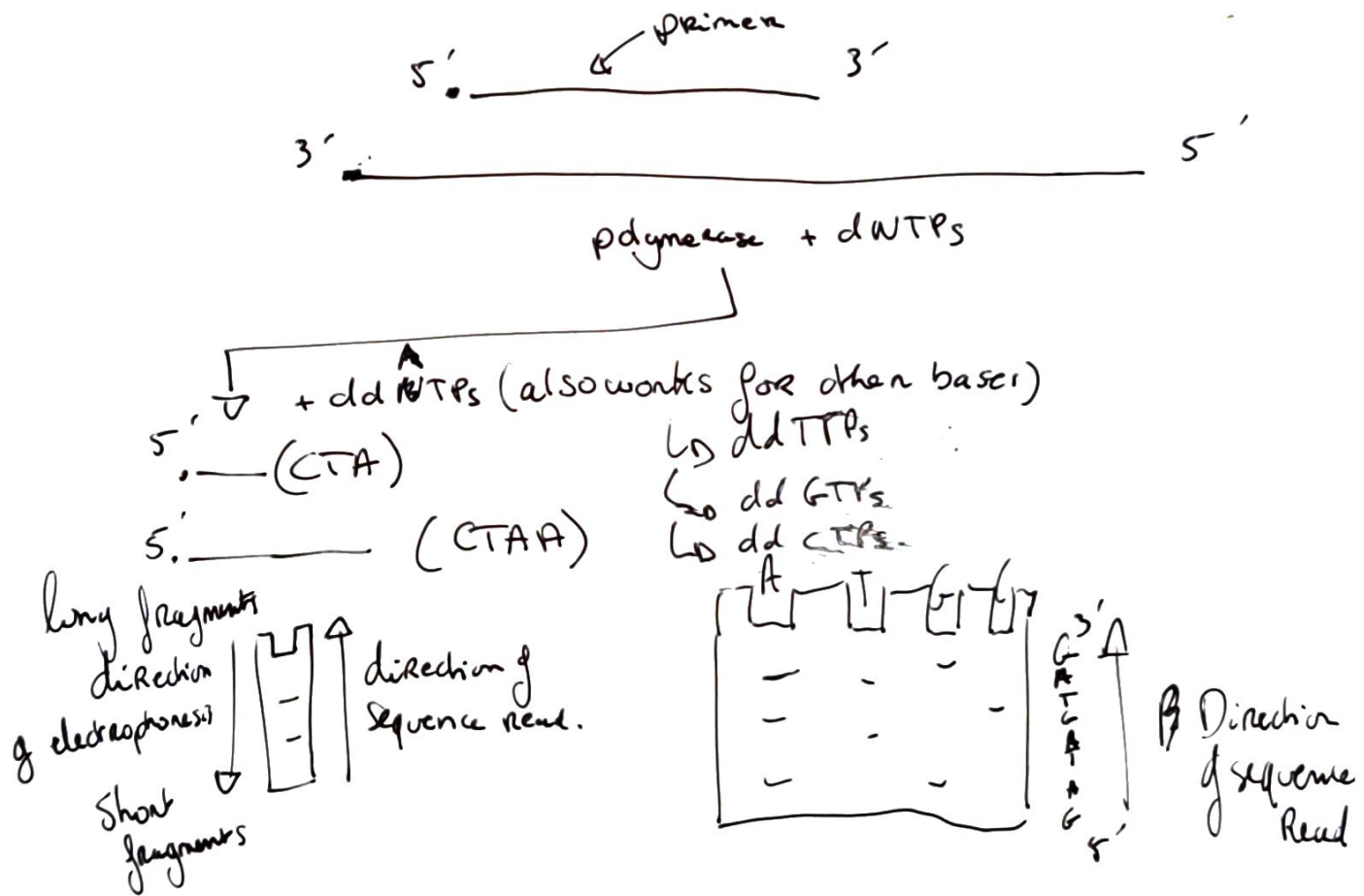
- template : "model" to be copied
- library mixture of template
- Reads \rightarrow contain errors are small

Overview of sequencing technique

1. Sanger sequencing

2. NGS

3. 3rd gen sequencing



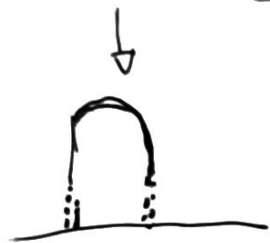
Illumina Sequencing

→ Sequence templates in parallel.

Primers are attached to a solid surface.

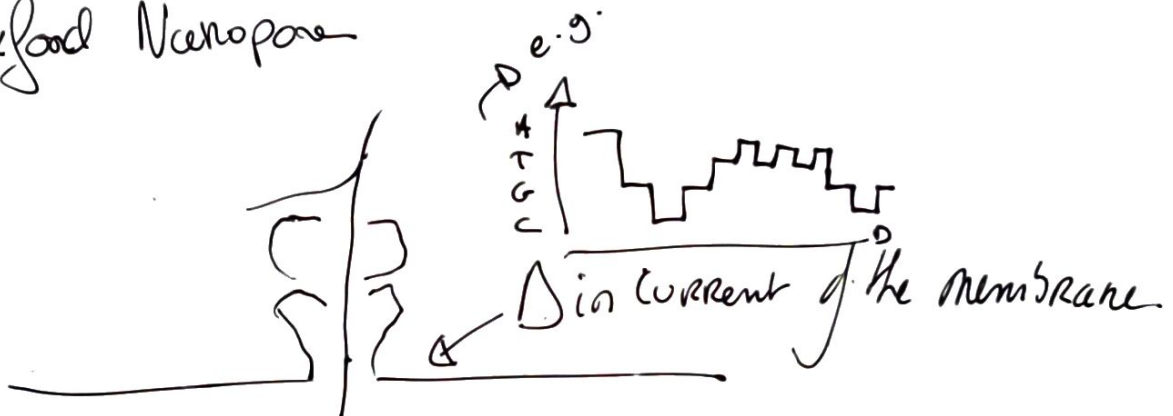


→ forms cluster that can be read.



(multiplication)

Oxford Nanopore



Look @ dls for next session.