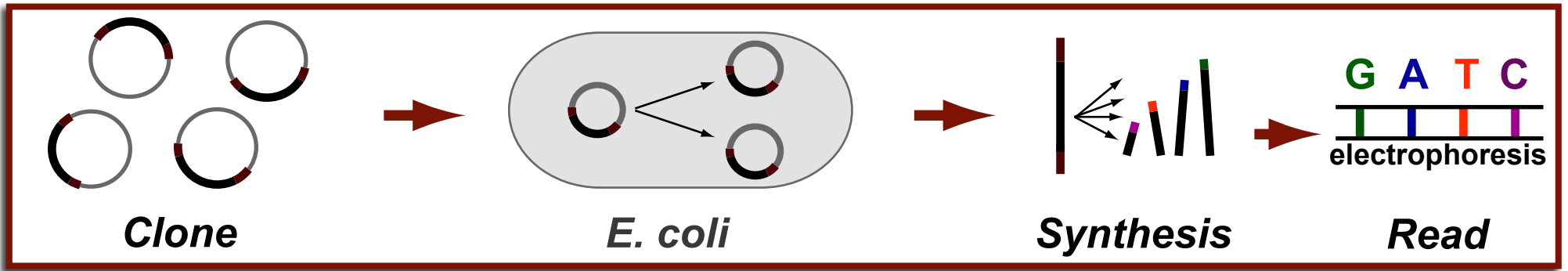


**SANGER SEQUENCING**

**FRAGMENT DNA:**  
readable-pieces

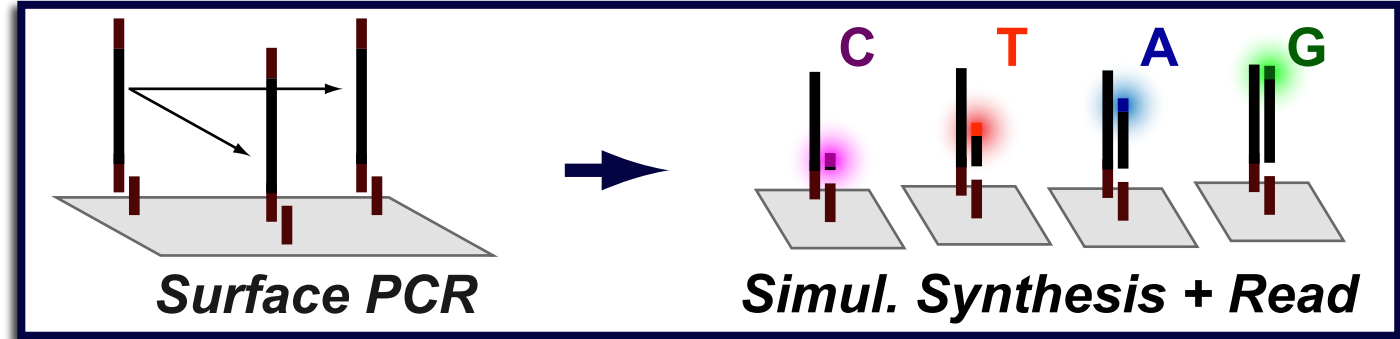
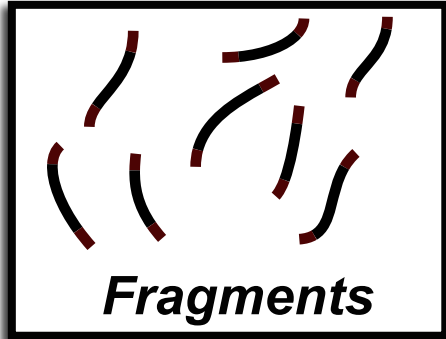
**AMPLIFY PIECES:**  
Increase Signal

**SEQUENCING:**  
Fluorescent Synthesis



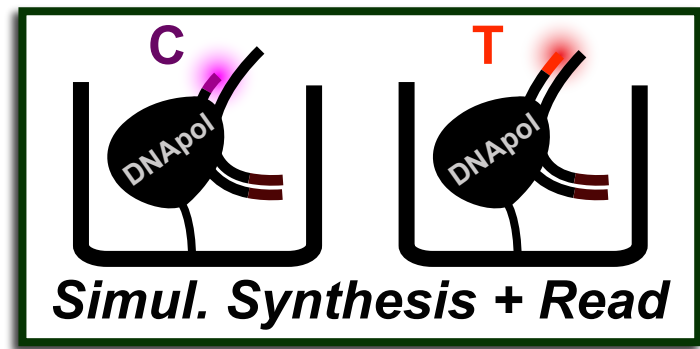
*high accuracy, long reads (genome seq)*

**NEXT GENERATION SEQUENCING**



*high accuracy, short reads (ChIP/RNAseq)*

**SINGLE MOLECULE SEQUENCING**



*low accuracy, long reads*