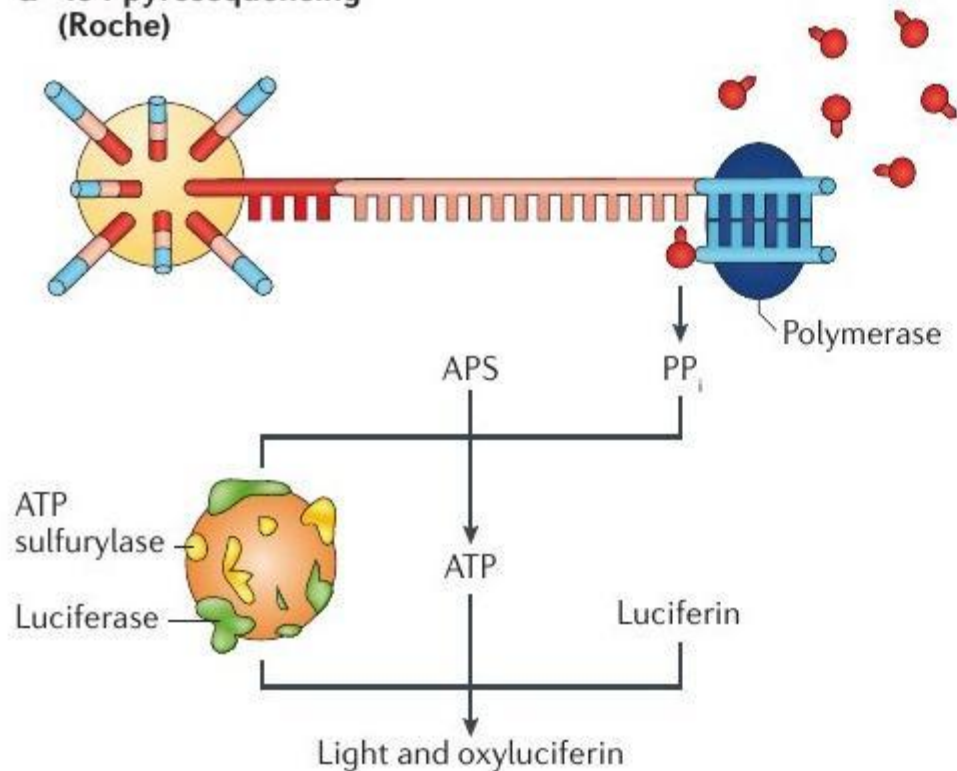


### a 454 pyrosequencing (Roche)



### Pyrosequencing

As a base is incorporated, the release of an inorganic pyrophosphate triggers an enzyme cascade, resulting in light

### Single nucleotide addition

Only one dNTP species is present during each cycle; multiple identical dNTPs can be incorporated during a cycle, increasing emitted light

