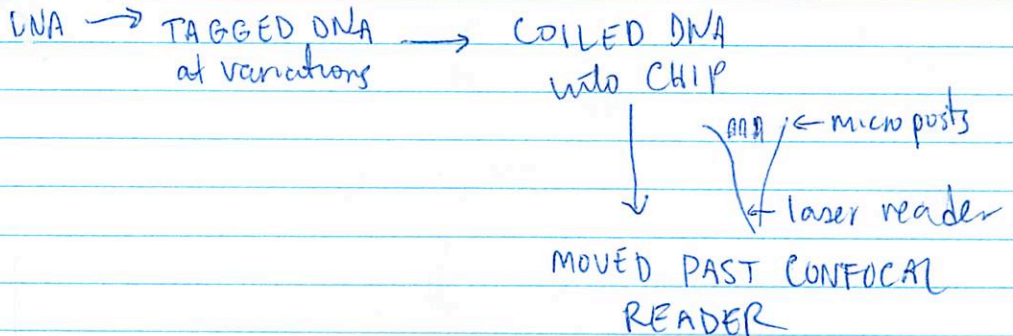


Steven Metalco

Eugene Chan - US Genomics

"Gene engine" instrument

Eugene Chan



- 1000-2000 molecules/minute
- 50,000 bp/molecule
- 3.7 billion bp/minute

• can use very small samples

Example

- two TCCTTCTC sites
- tag w/ PNA
- need to deal w/ molecules going in either orientation

- can tag w/ RE that do not cut
- can cut 1st and do multiple molecules at once

- can be used to 1D bundling sites

DNA
↓
UV



↓
cut w/ TREN

