What You Need to Know About CRISPR

https://www.ted.com/talks/ellen_jorgensen_what_you_need_to_know_about_crispr?language=en

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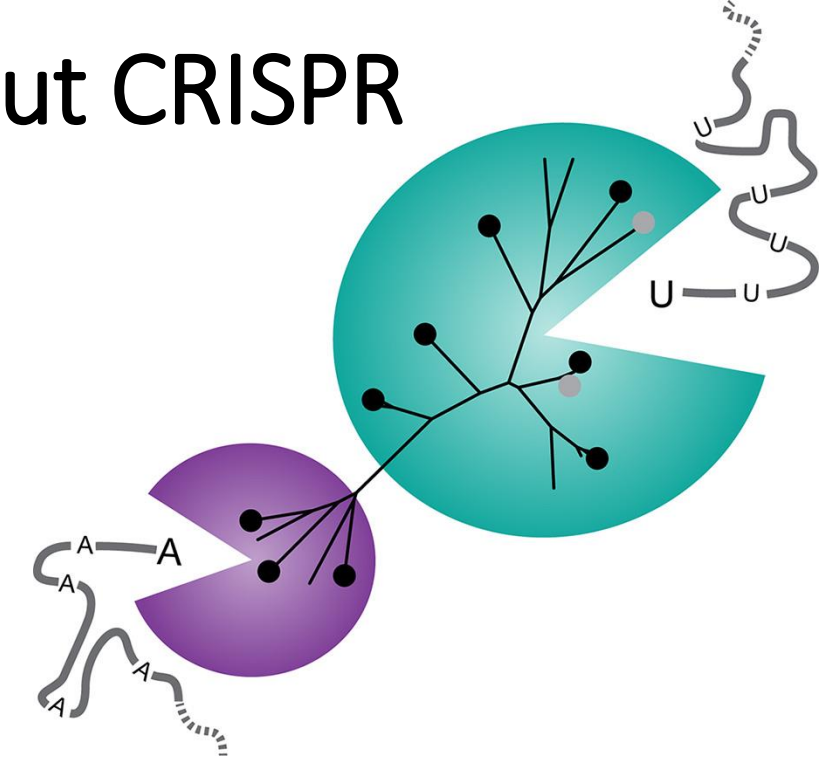
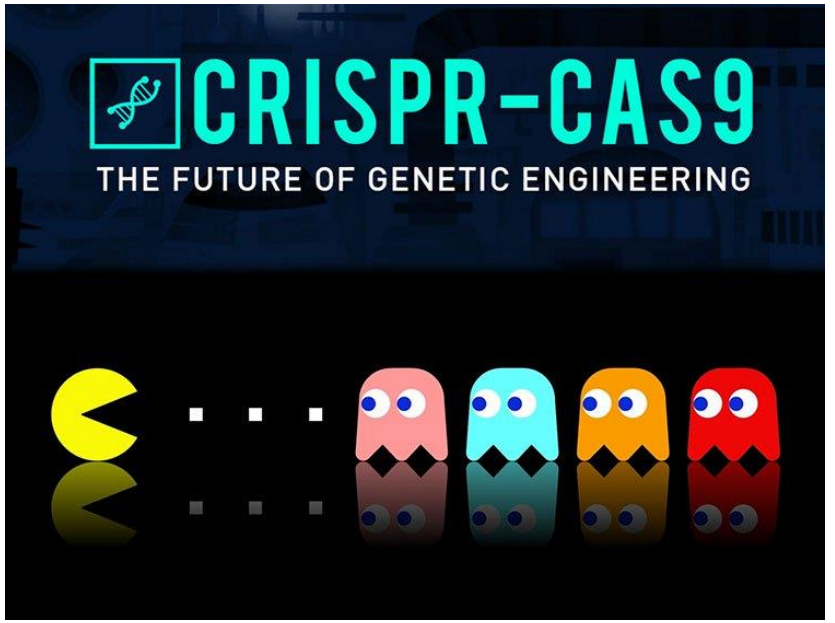


1. Damage to DNA – break double helix
2. **CAS 9** – "Pac-Man"/Guide RNA leads to proper matching site
3. **Cheap?** – relative – requires a professional lab
4. **Easy?** – much unknown about cells



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5. Has been used in **leukemia research** – used in blood.

6. Long-term effects of virus' left in cells is <u>unknown</u>.

7. Disease research has been done with animals

8. Industrial applications – fermentation processes