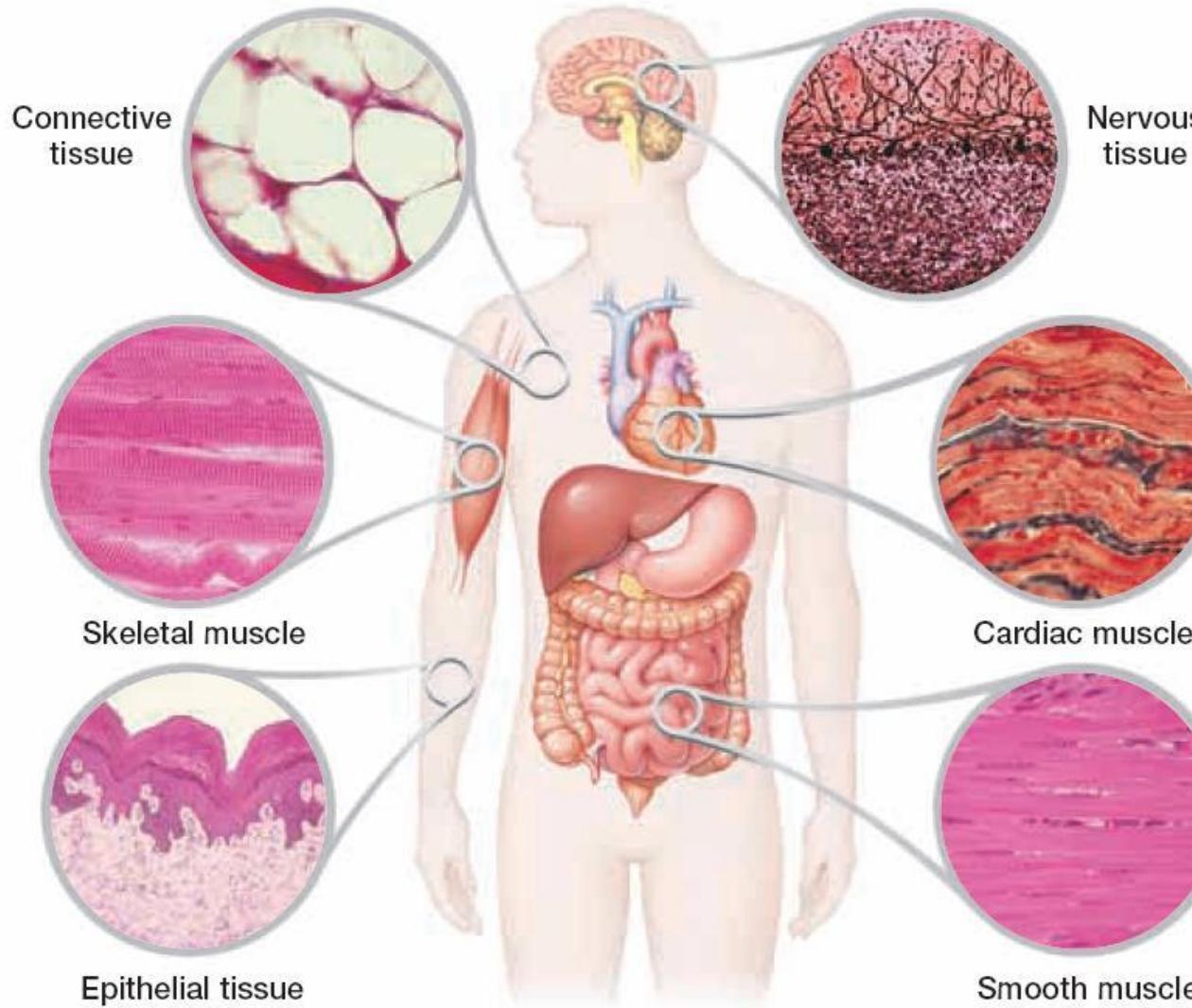


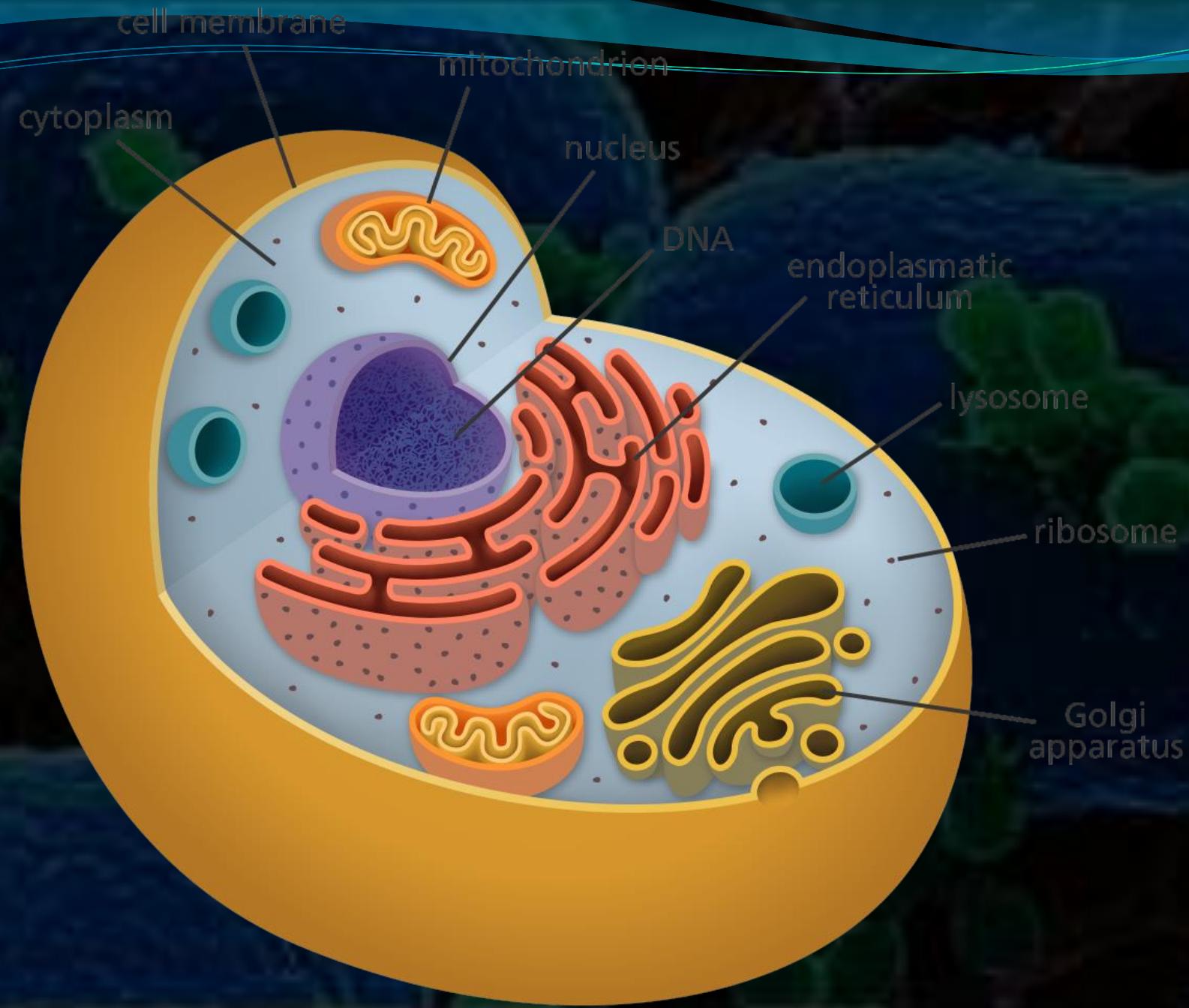
تعليق على كوفيد 19

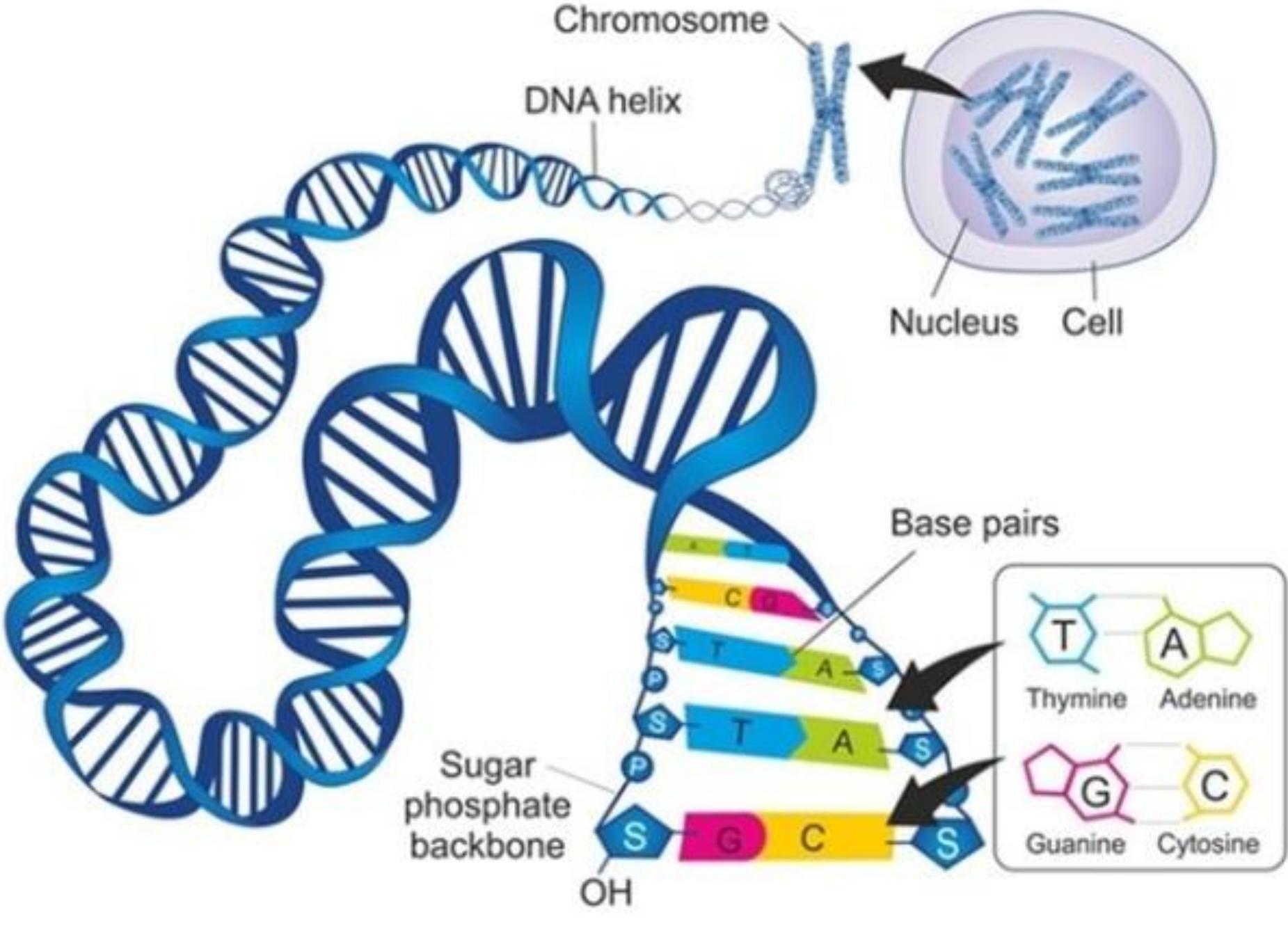
واجابة أسئلة التطعيم و علاقته

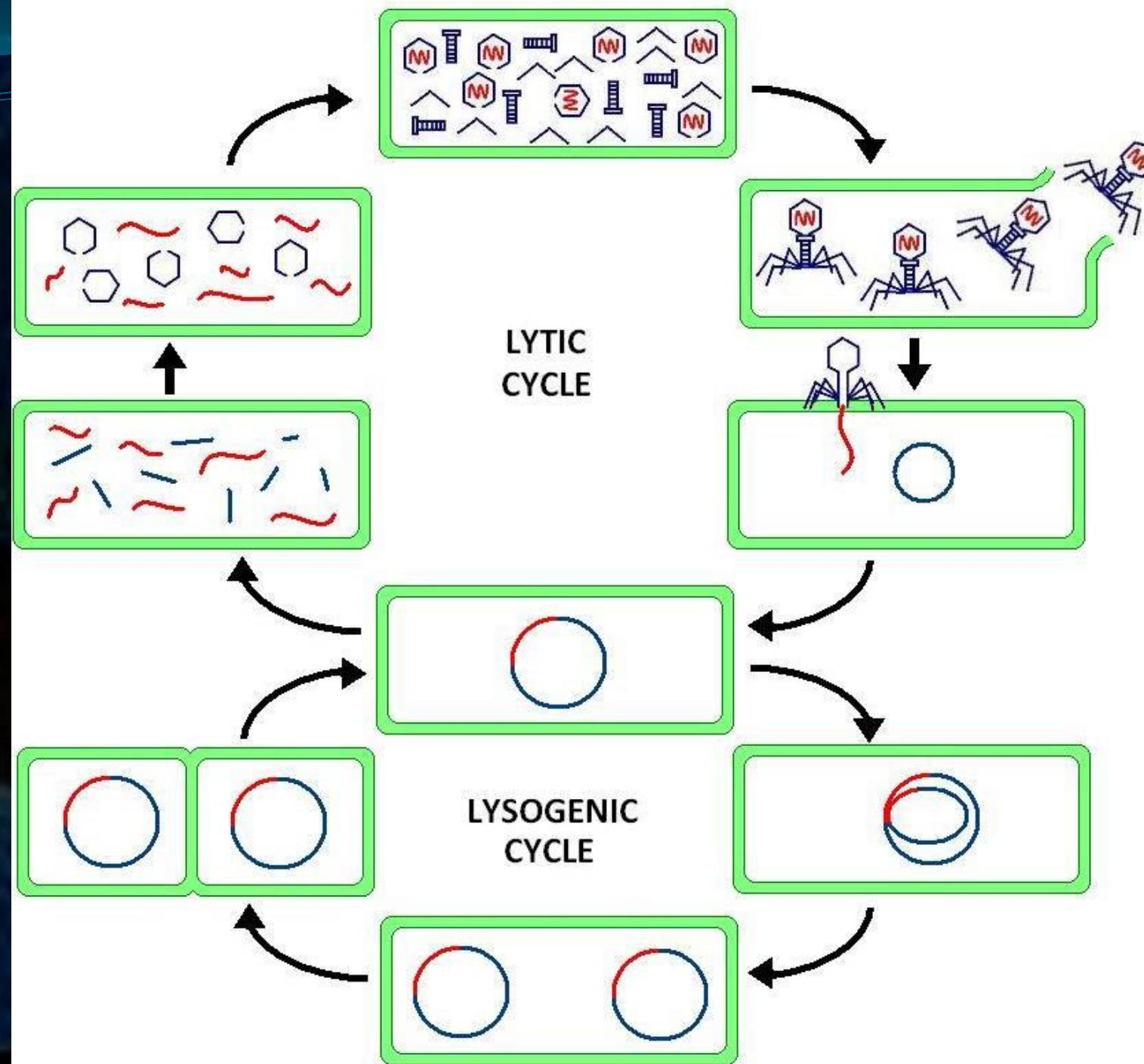
بالمشریحة الذکیة

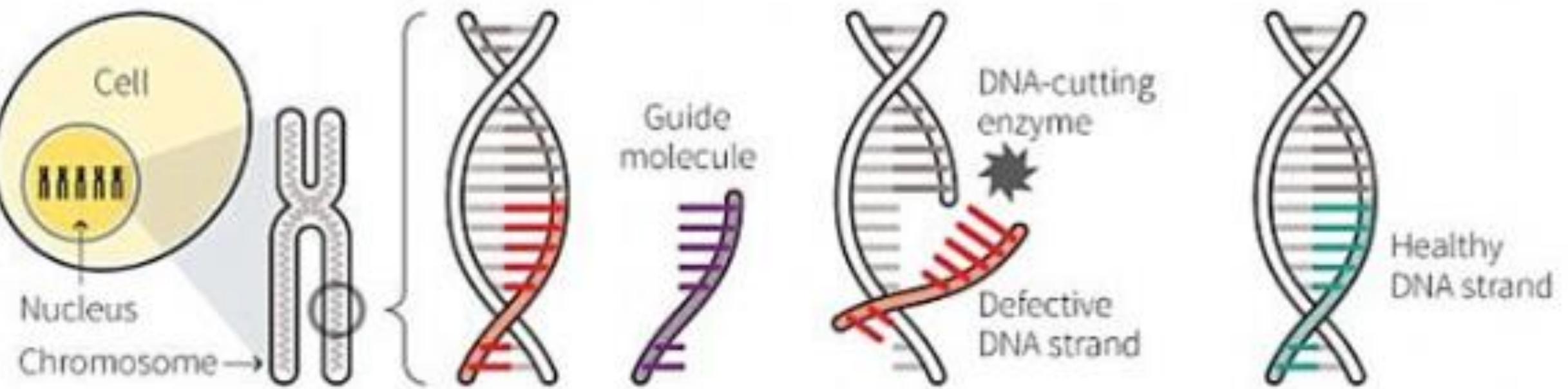
Human Body Tissues

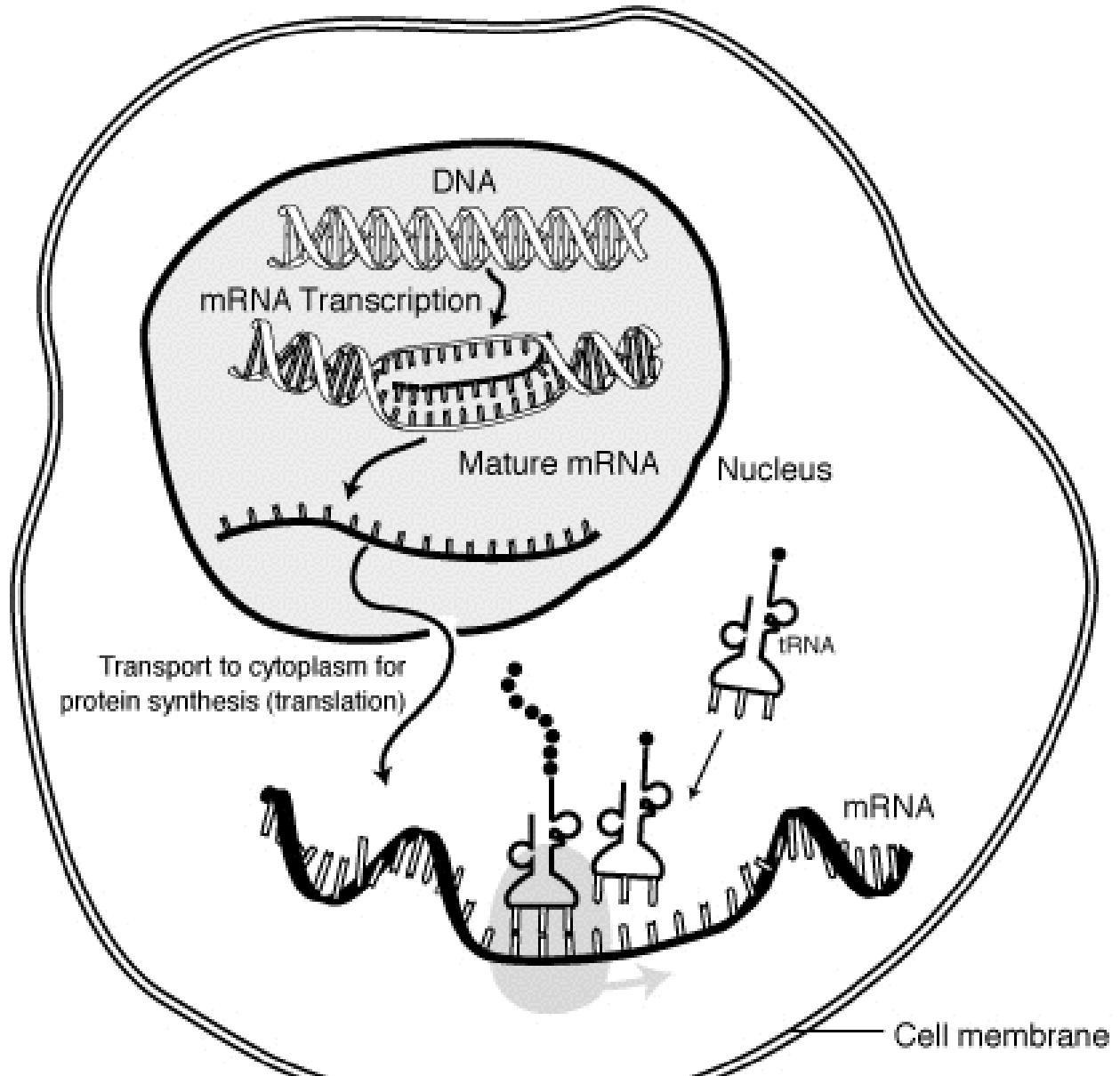


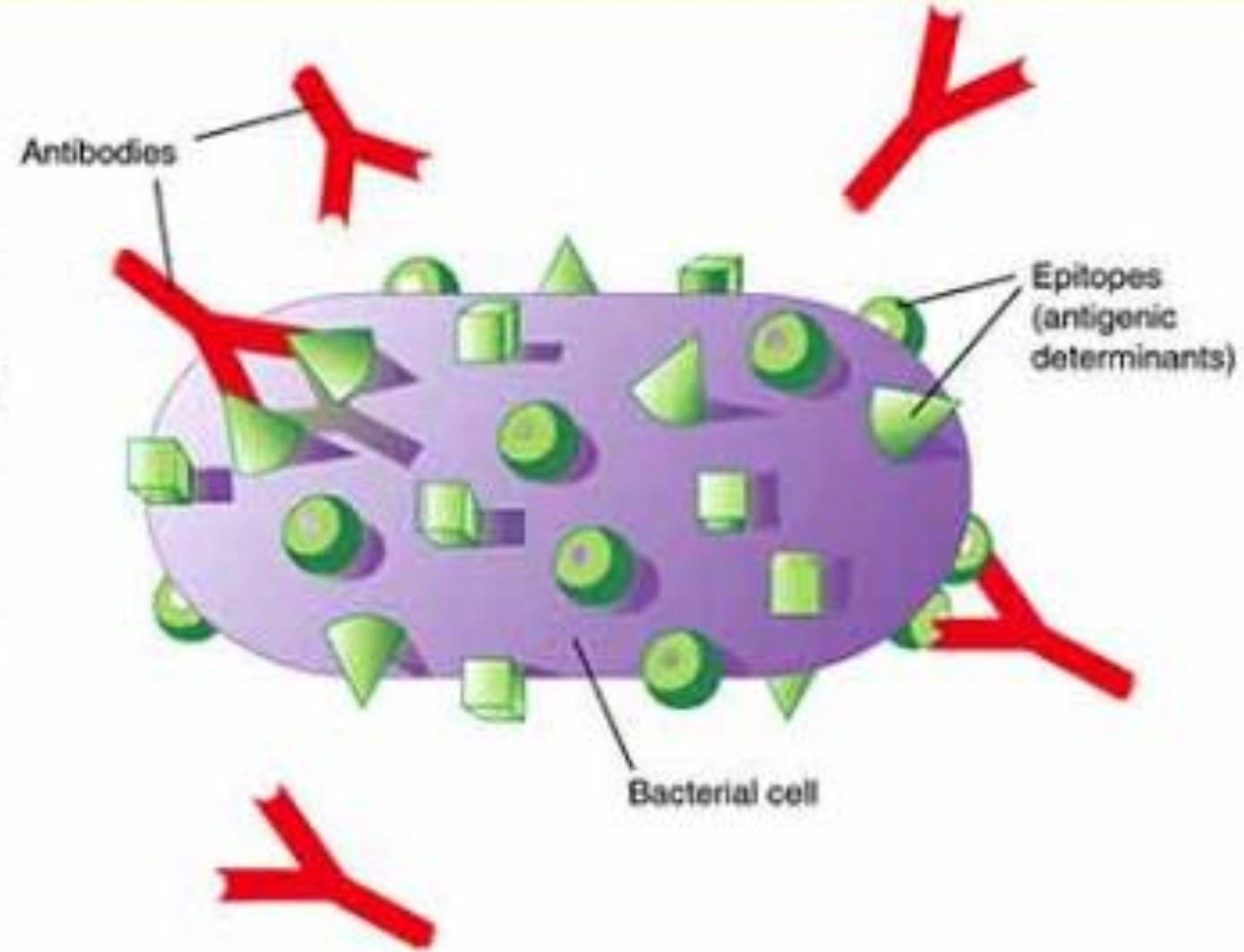
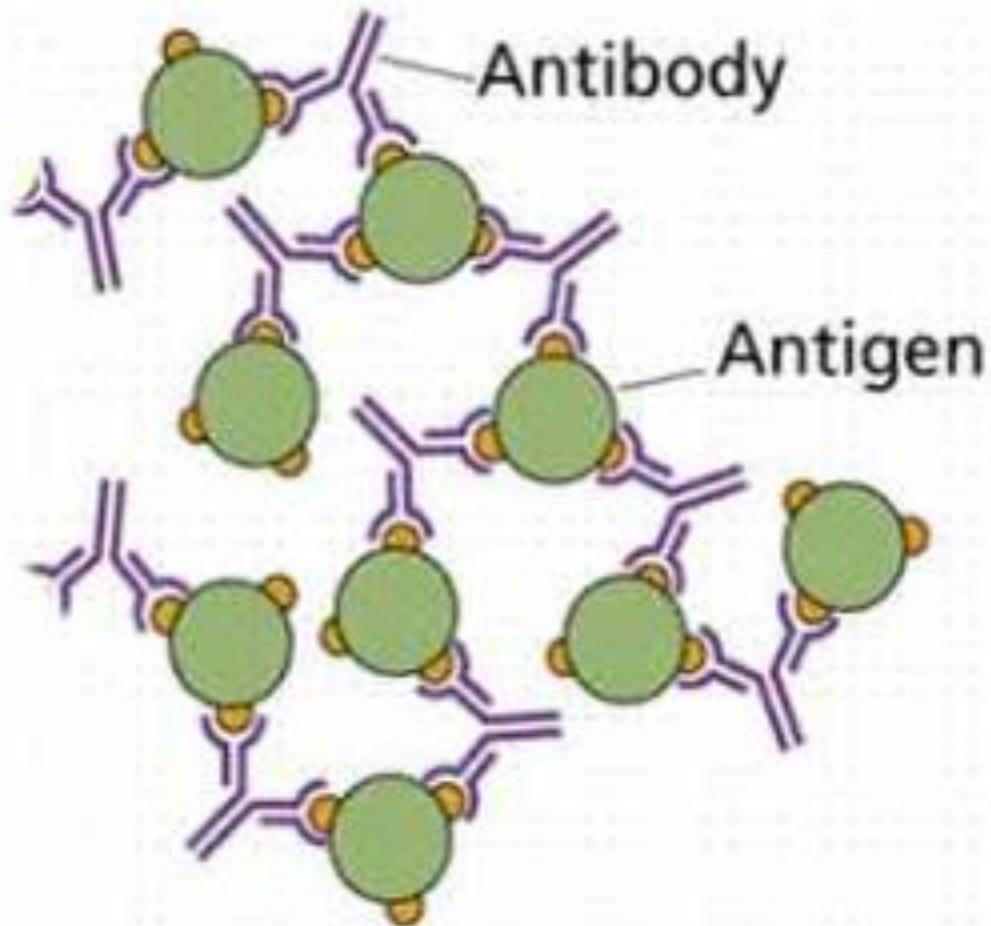


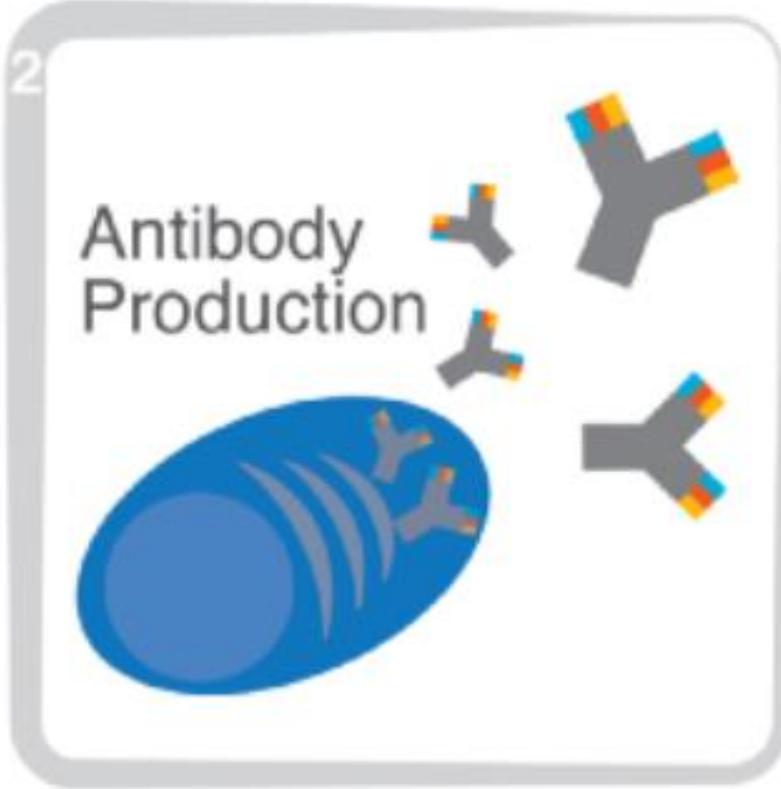
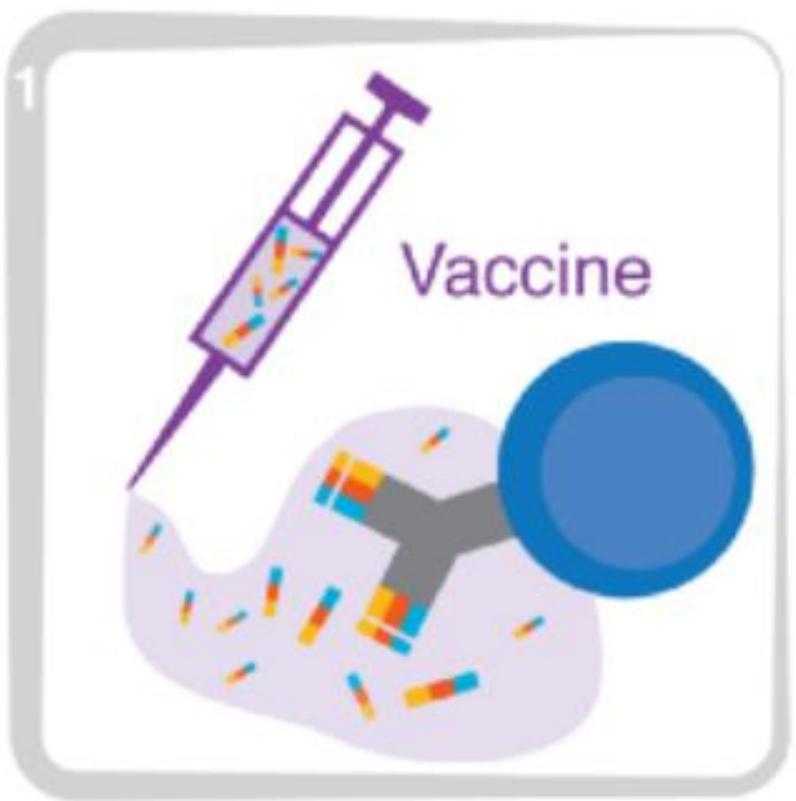


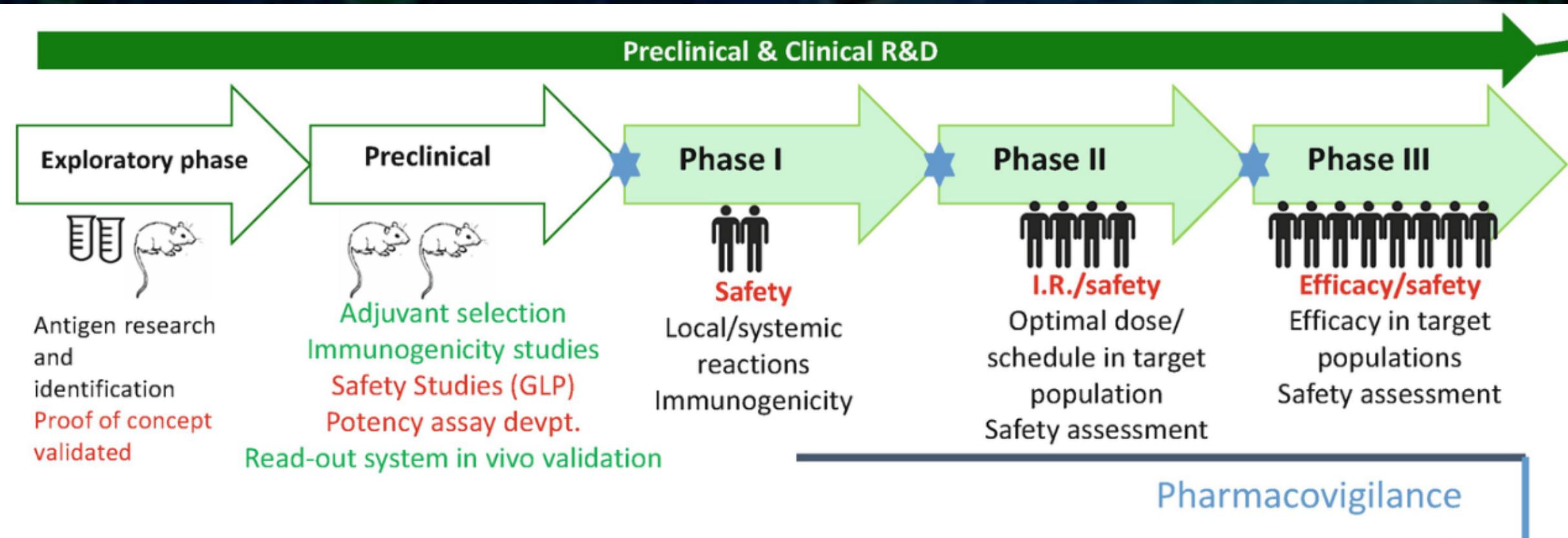




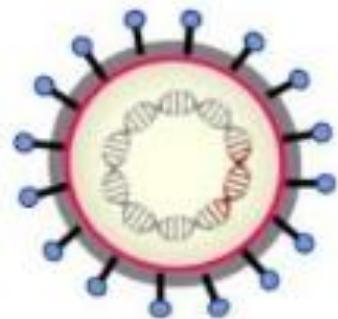




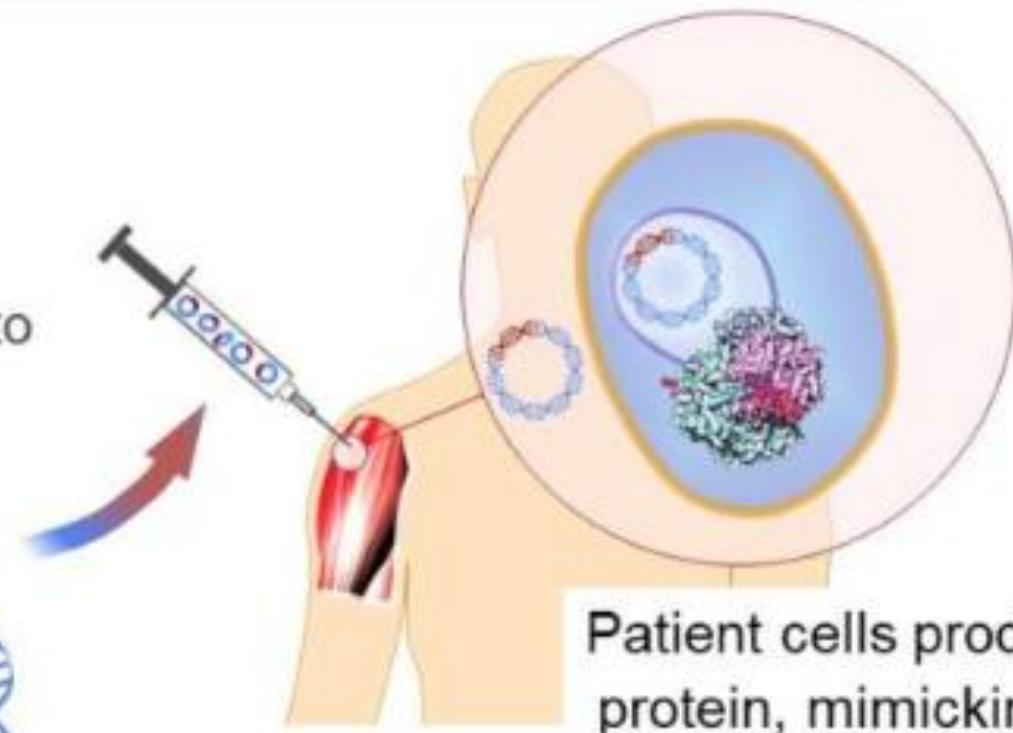
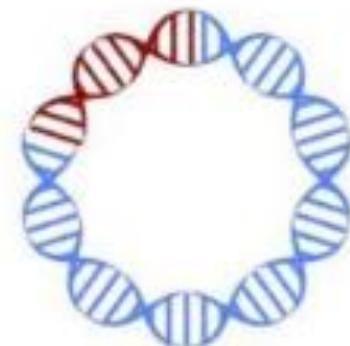




Transfer viral protein gene into a plasmid



Deliver plasmid into patient skin or muscle cells



Patient cells produce viral protein, mimicking a viral infection and inducing a strong immune response

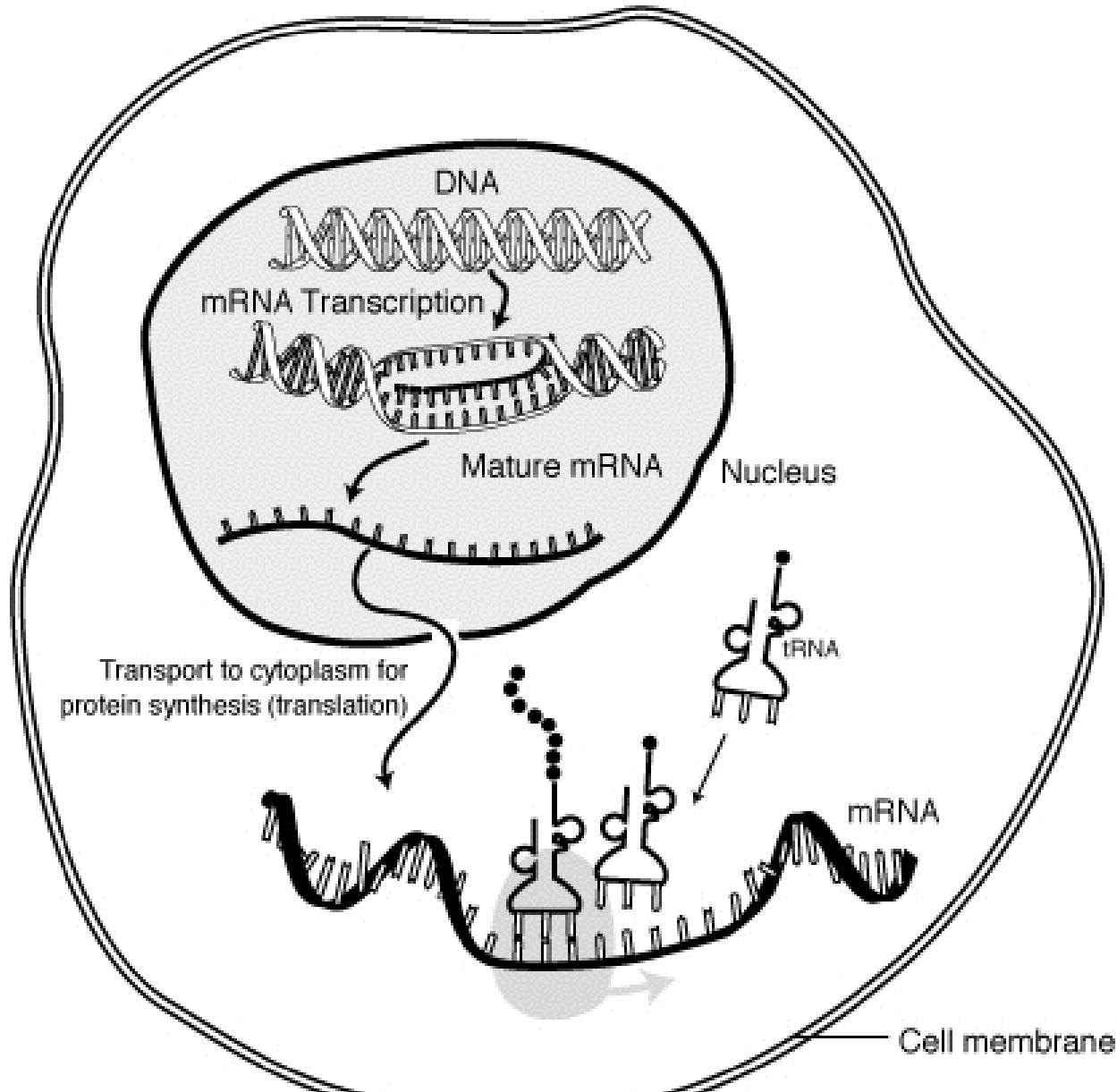
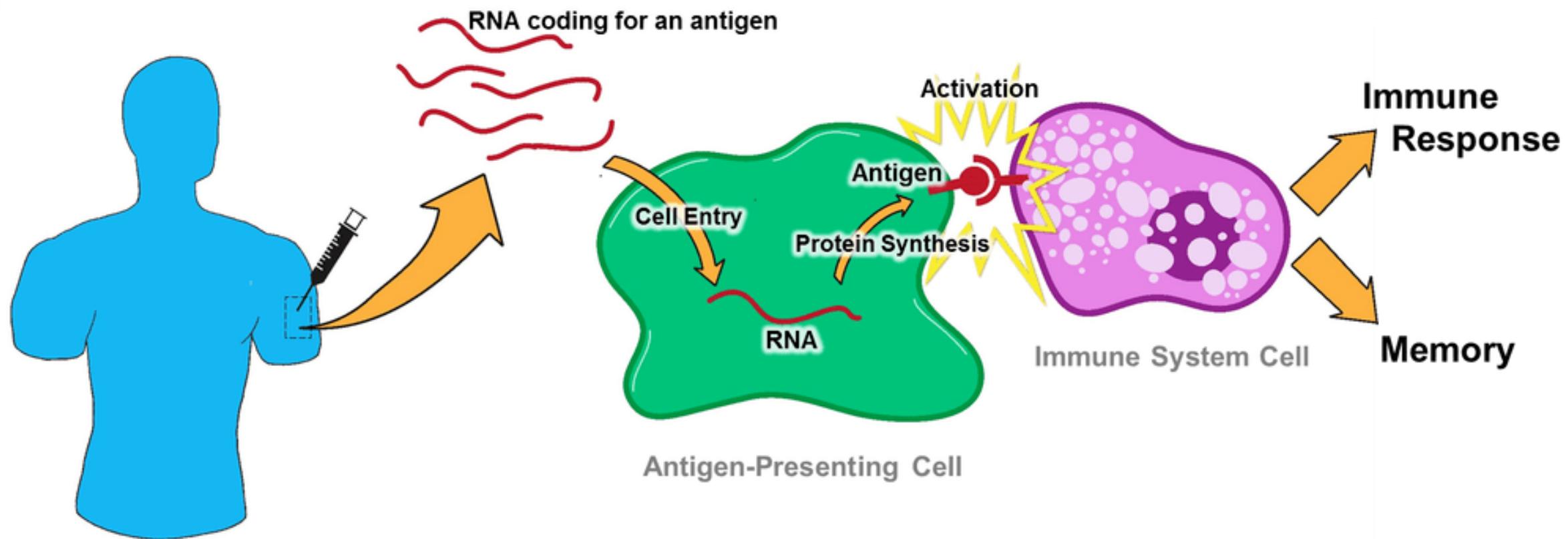


Figure 1: RNA Vaccine Technology



Cloning

Transcription

Capping

Purification

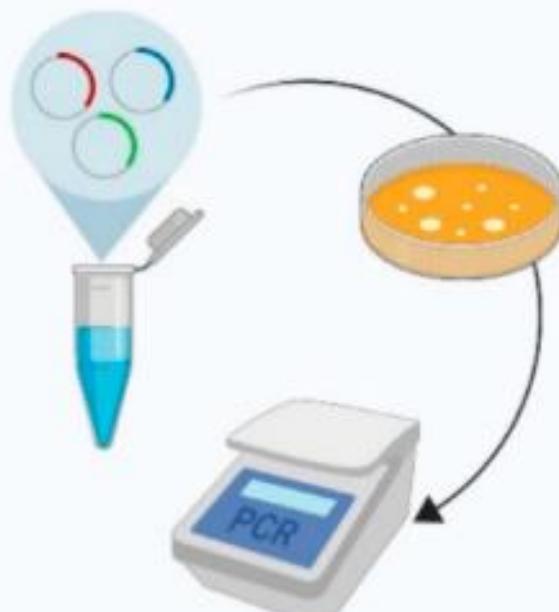
1

2

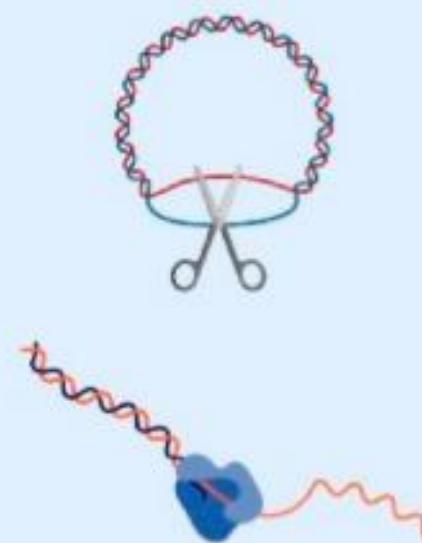
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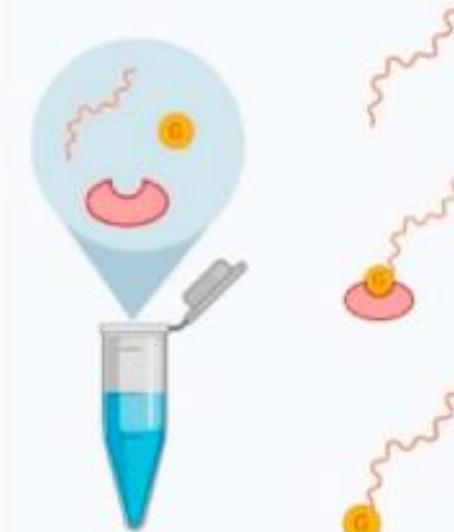
Co-transcriptional capping



cDNA



mRNA



capped mRNA



purified capped mRNA

COVID-19 OXFORD VACCINE TRIAL

Chimpanzee adenovirus



Modified



Unable to cause disease

ChAdOx1 viral vector



Spike protein

SARS-CoV-2



Genes coding spike protein

Cells express spike protein

Body produces antibodies against spike proteins

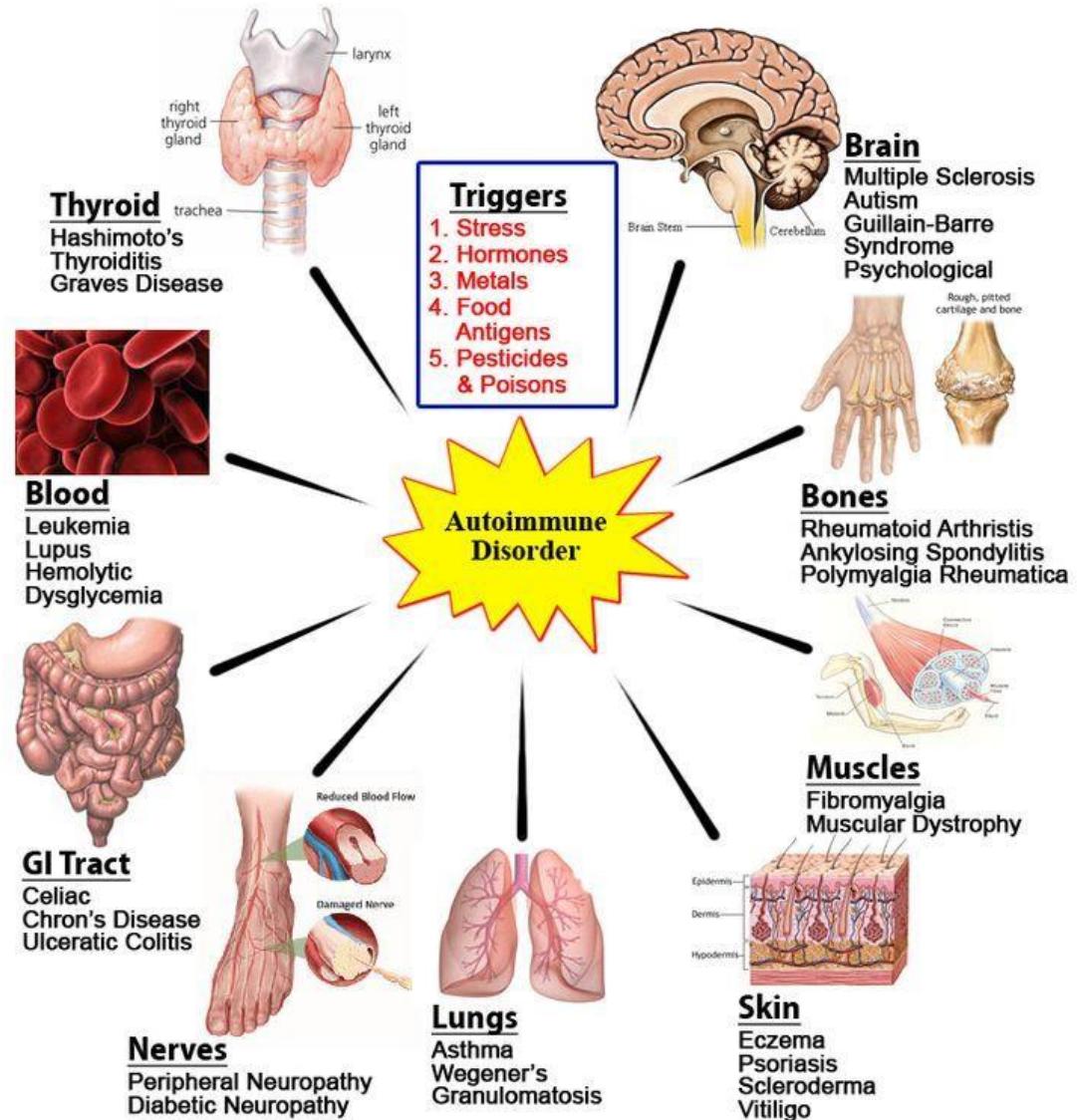


ChAdOx1 nCov-19 vaccine



If infected, immune system attacks SARS-CoV-2

Tissues of The Body Affected By Autoimmune Attack







<https://www.cdc.gov/vaccines/basics/test-approve.html>

<https://www.historyofvaccines.org/content/articles/vaccine-development-testing-and-regulation>

https://en.wikipedia.org/wiki/RNA_vaccine

https://en.wikipedia.org/wiki/DNA_vaccination

<https://en.wikipedia.org/wiki/Nanobiotechnology>

<https://www.sciencemag.org/news/2020/06/abortion-opponents-protest-covid-19-vaccines-use-fetal-cells>

<https://www.news-medical.net/news/20200623/Scientists-find-COVID-19-antibodies-fade-quickly.aspx>

وَالْمَجْدُ لِلَّهِ دَائِمًا