

All truth about AIDS

How does HIV drugs works

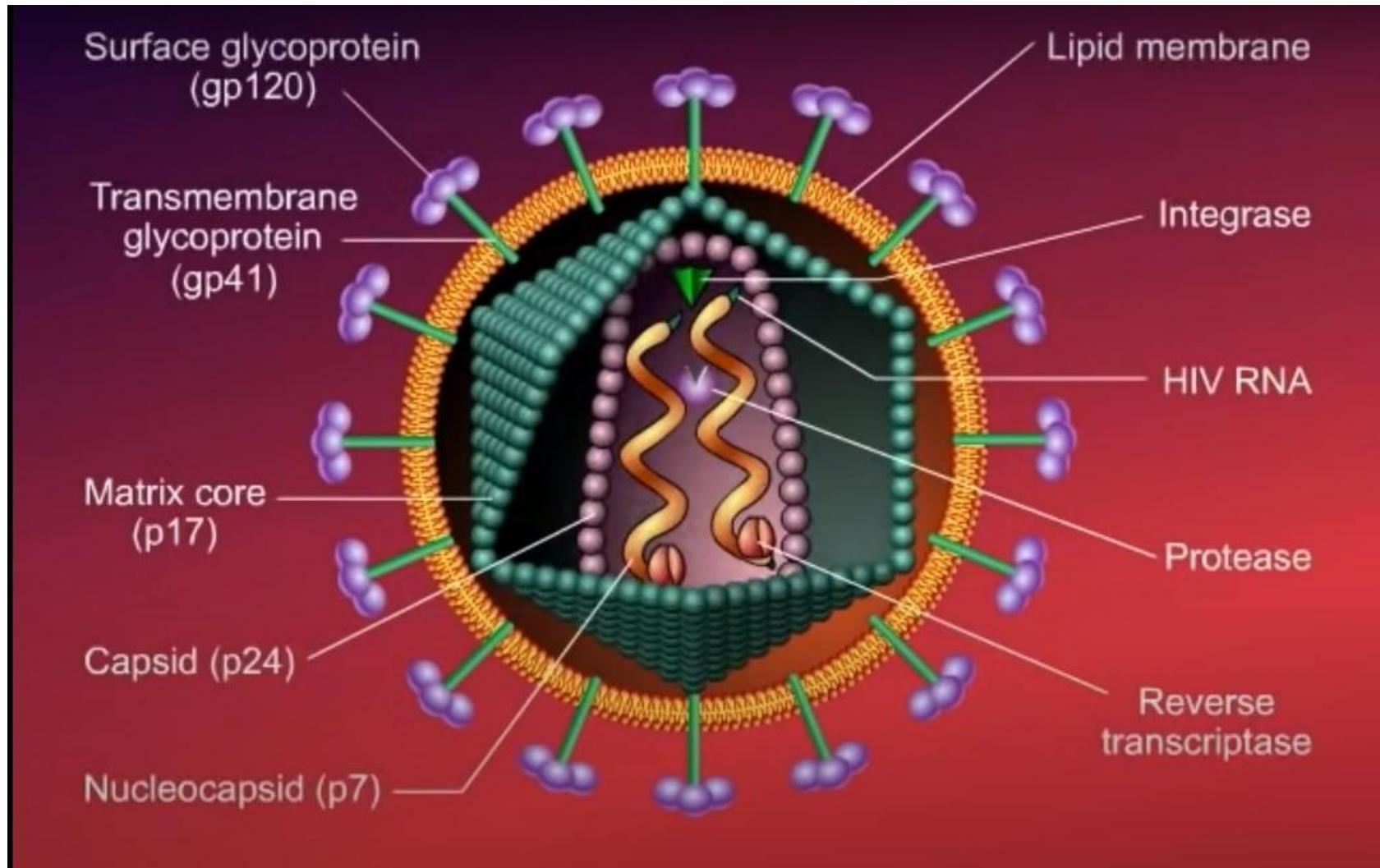


Выполнил
студент группы 1 ла
Поречин И.В.
Преподаватель:
Тертерьянц Е.С.

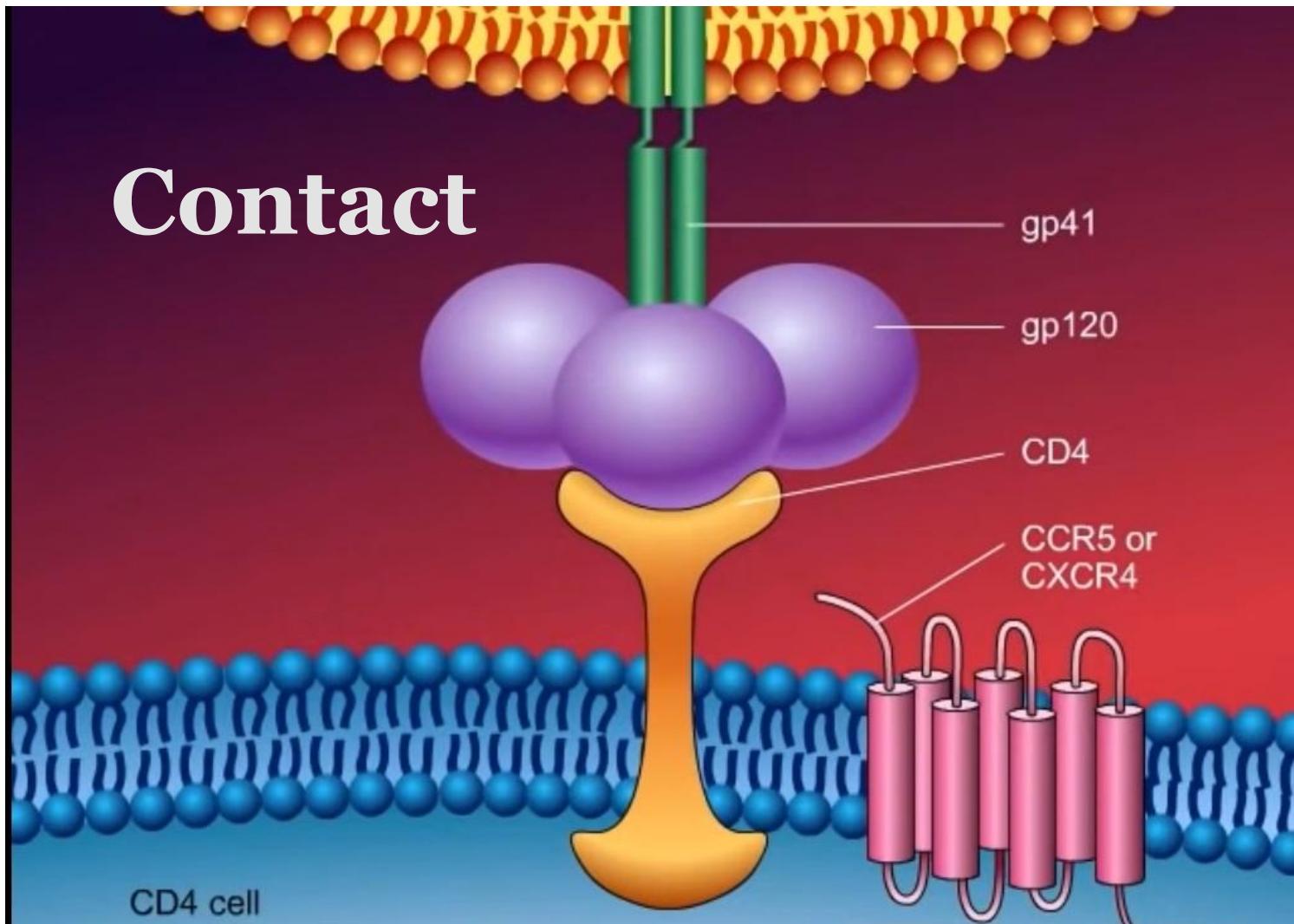
Plan

- **Parts of HIV**
- **How dose HIV function**
- **How dose anti-retrovirals works**
- **Resistance problem**

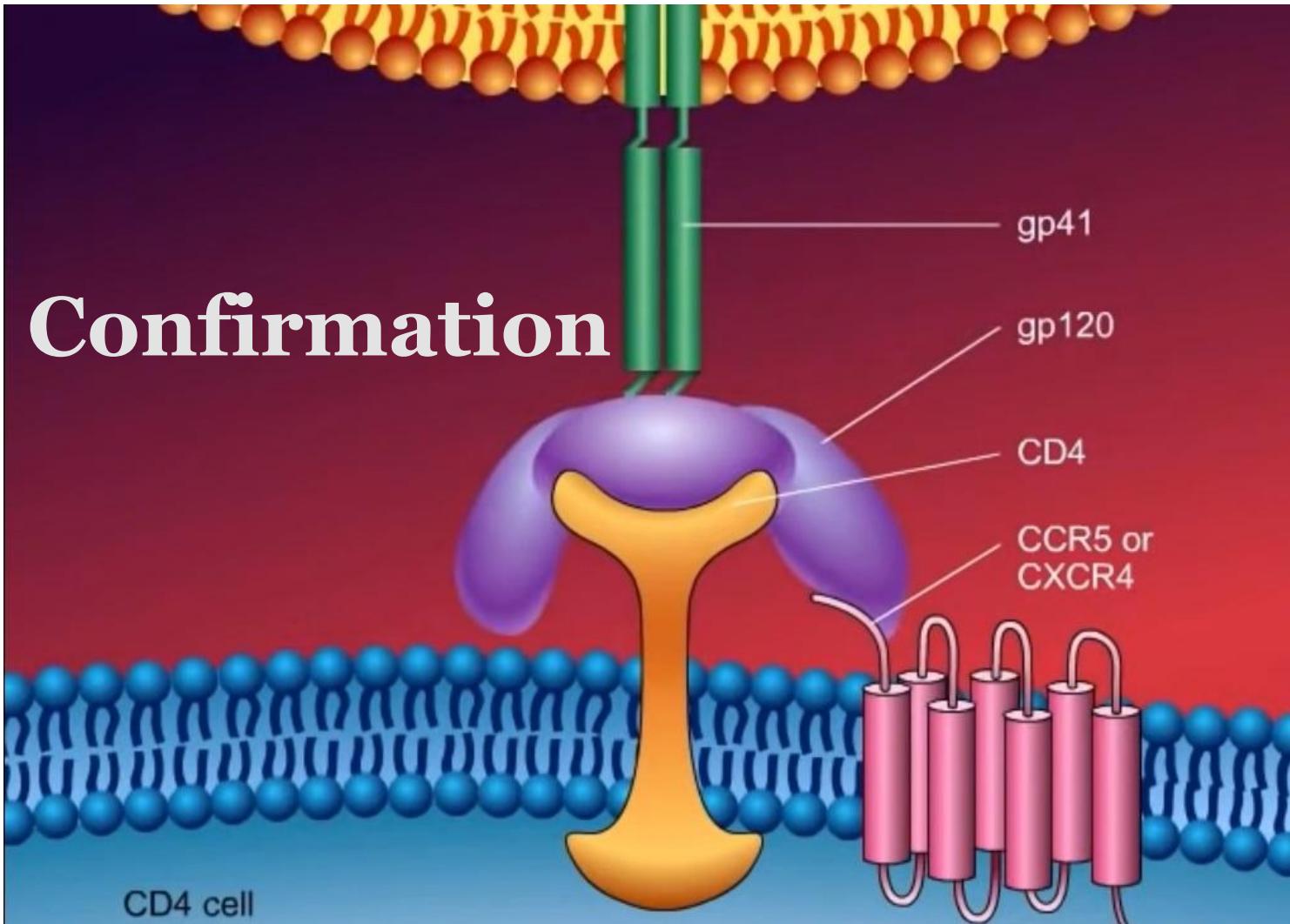
Parts of HIV



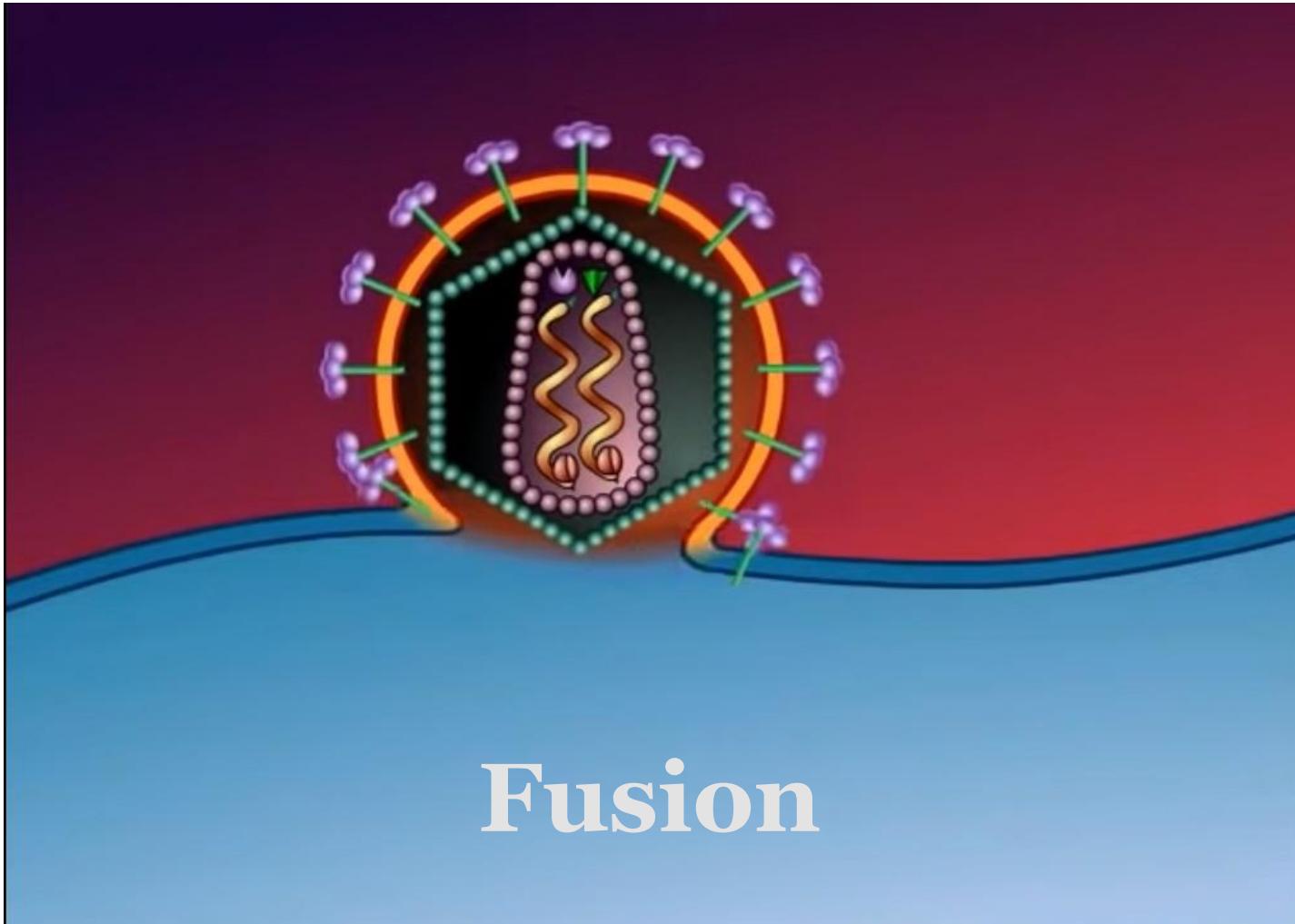
How does HIV function



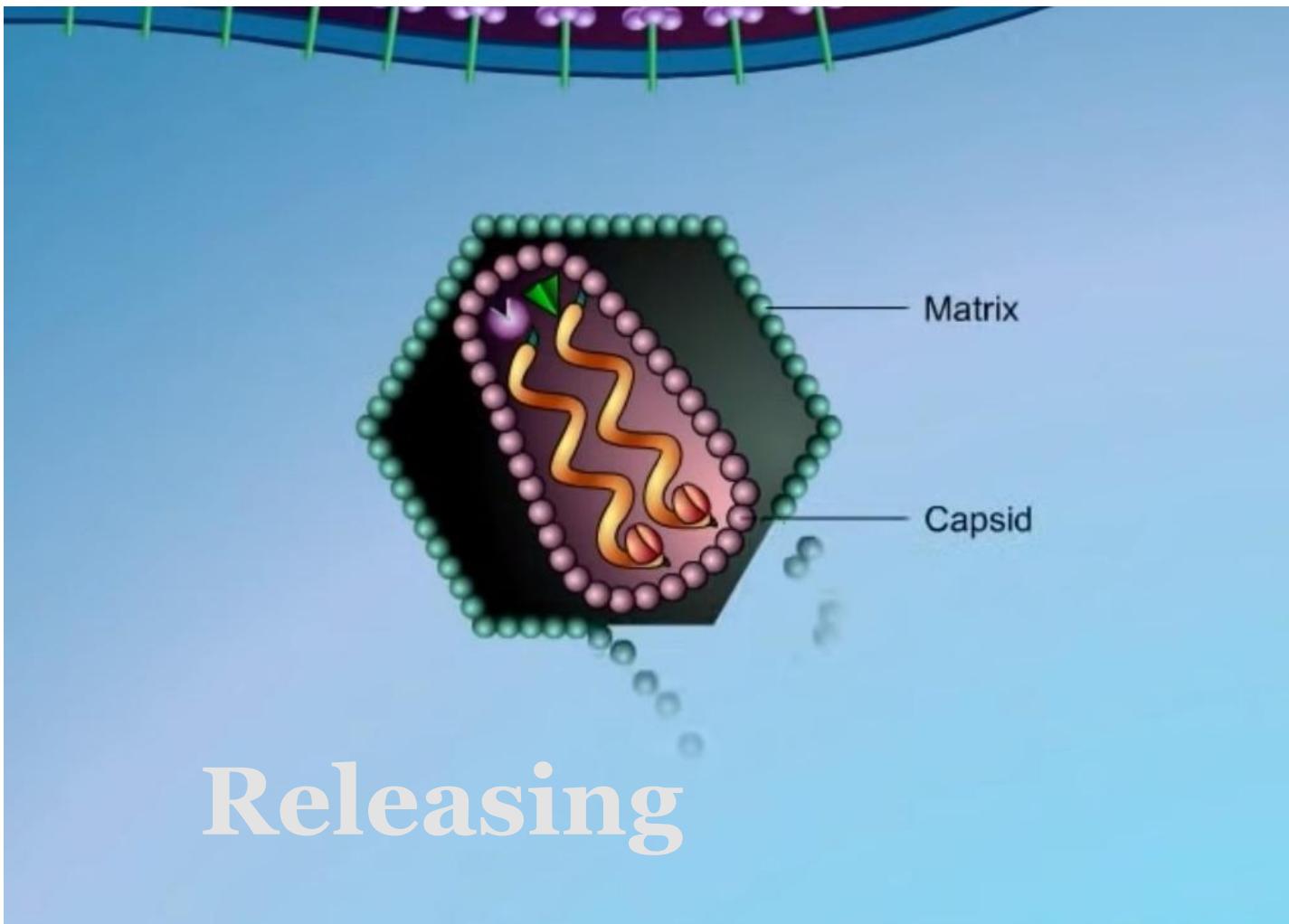
How does HIV function



How does HIV function

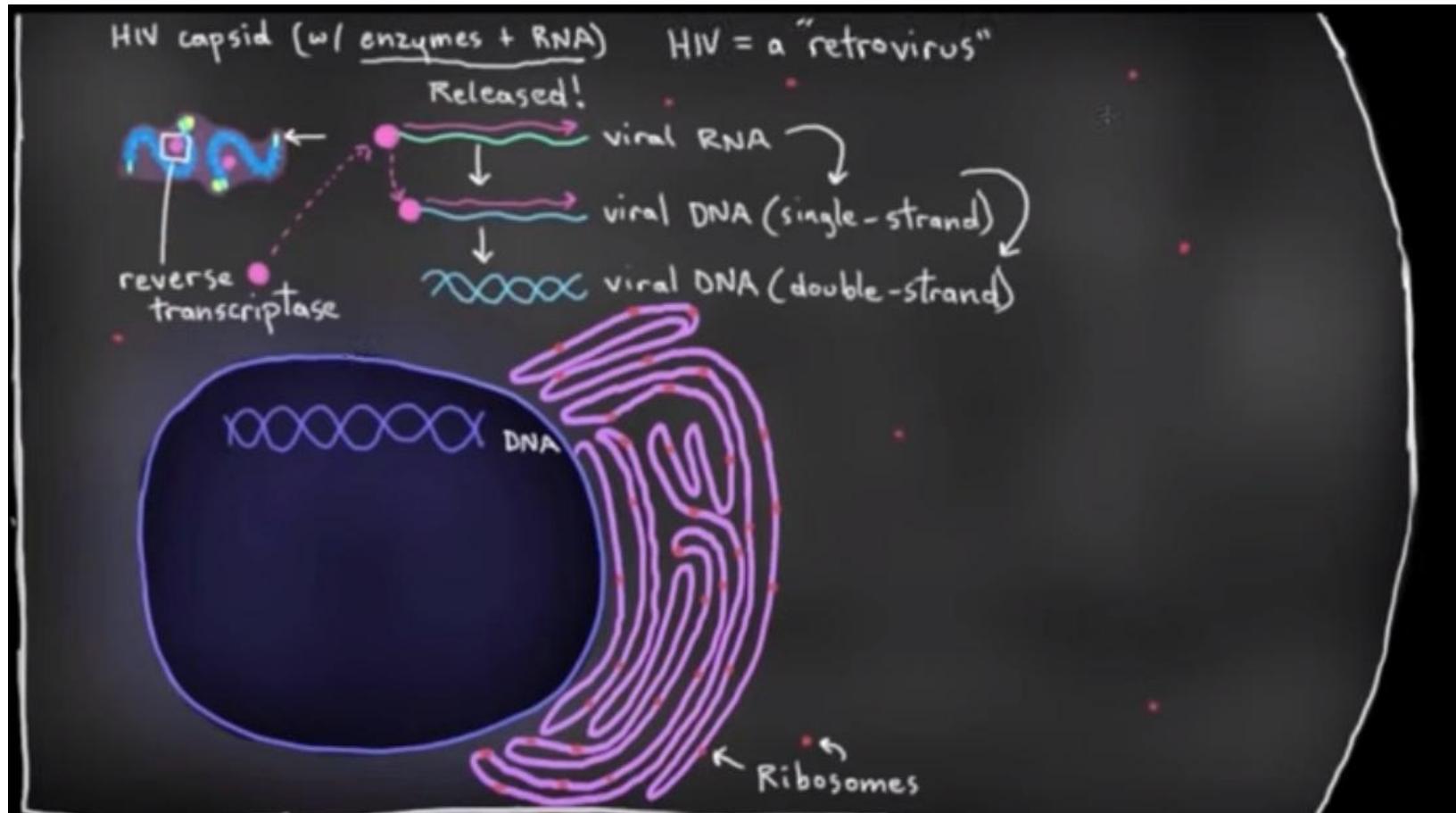


How dose HIV function



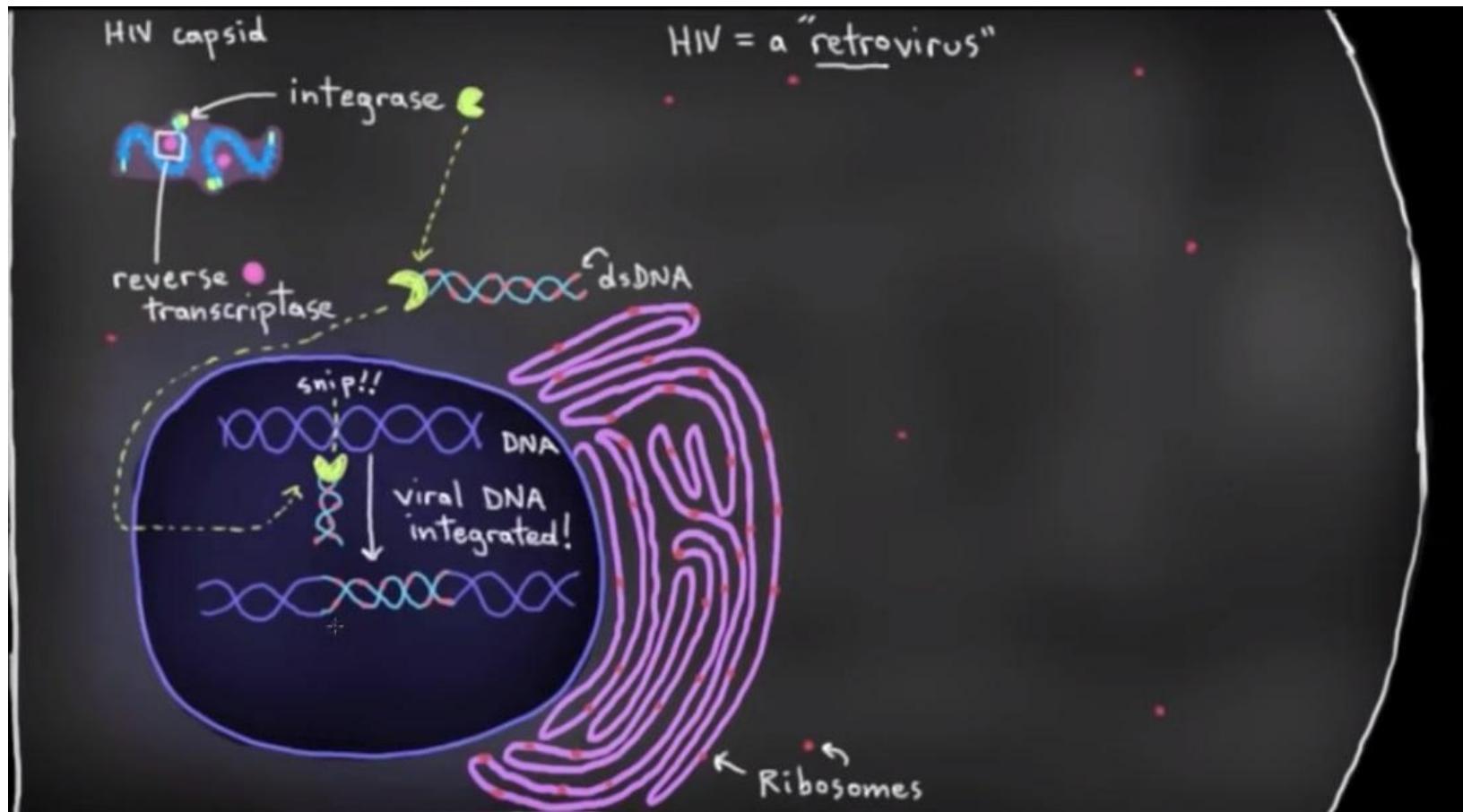
How does HIV function

Transcription viral RNA



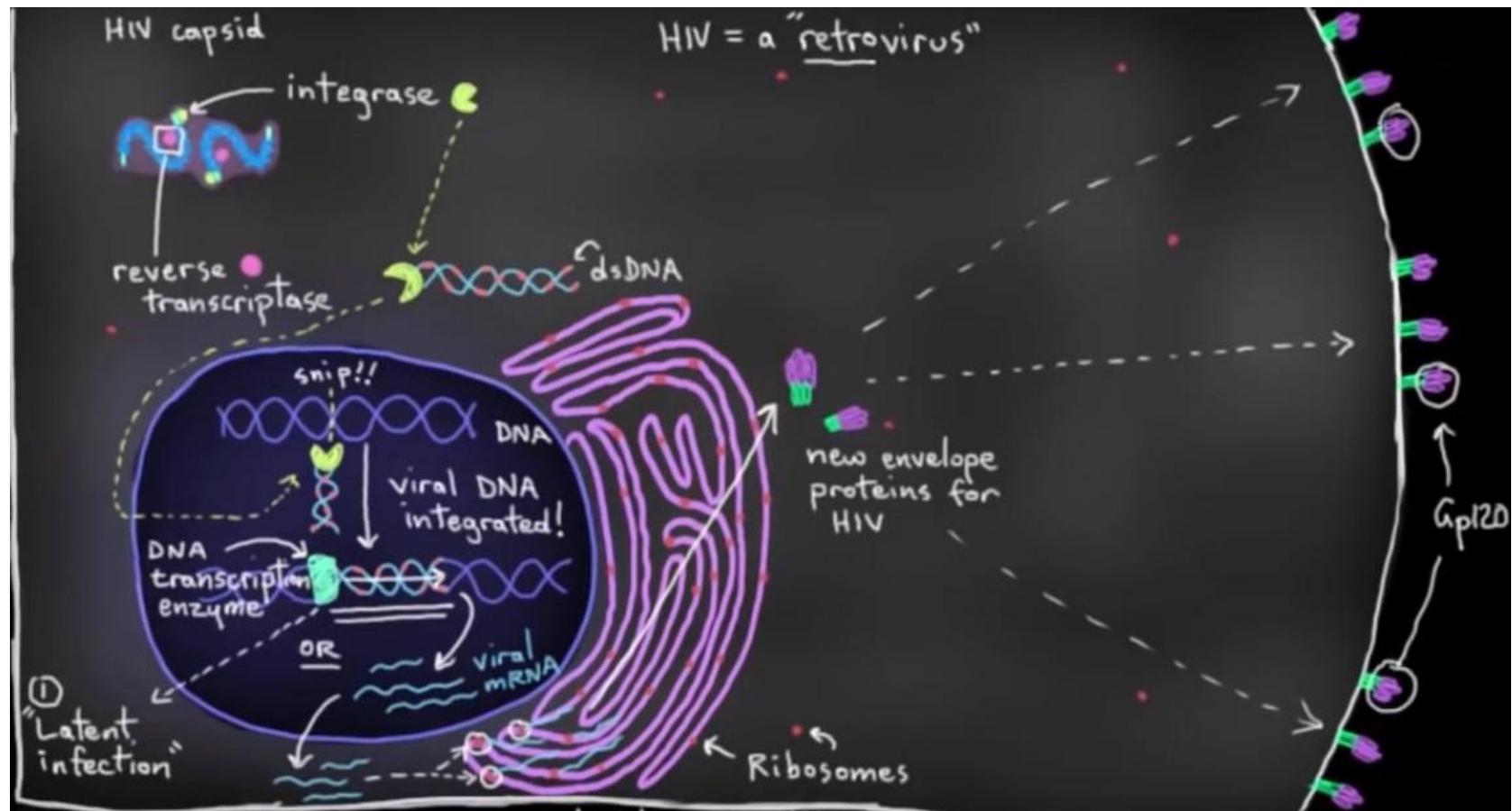
How does HIV function

Enter to the nucleus



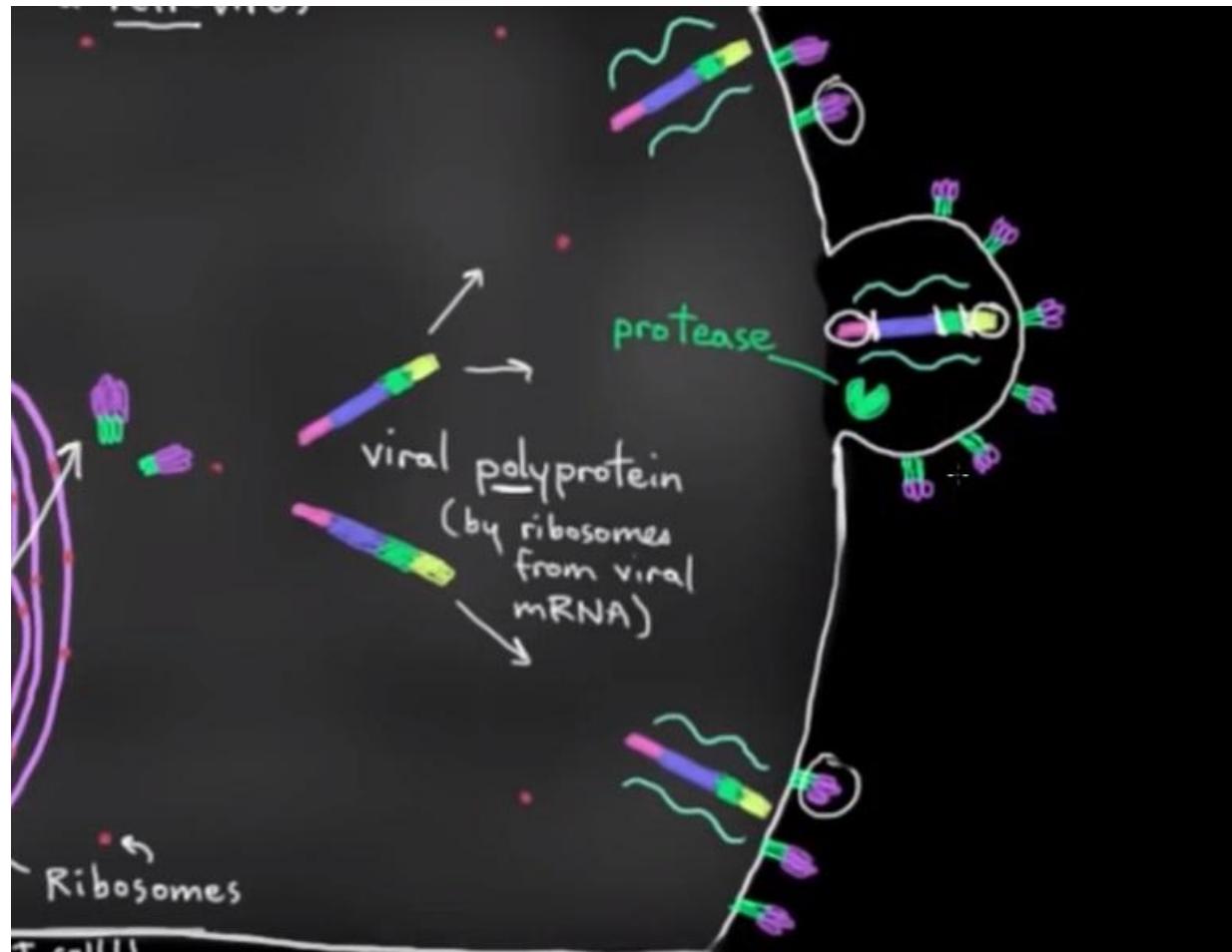
How does HIV function

Transcription DNA

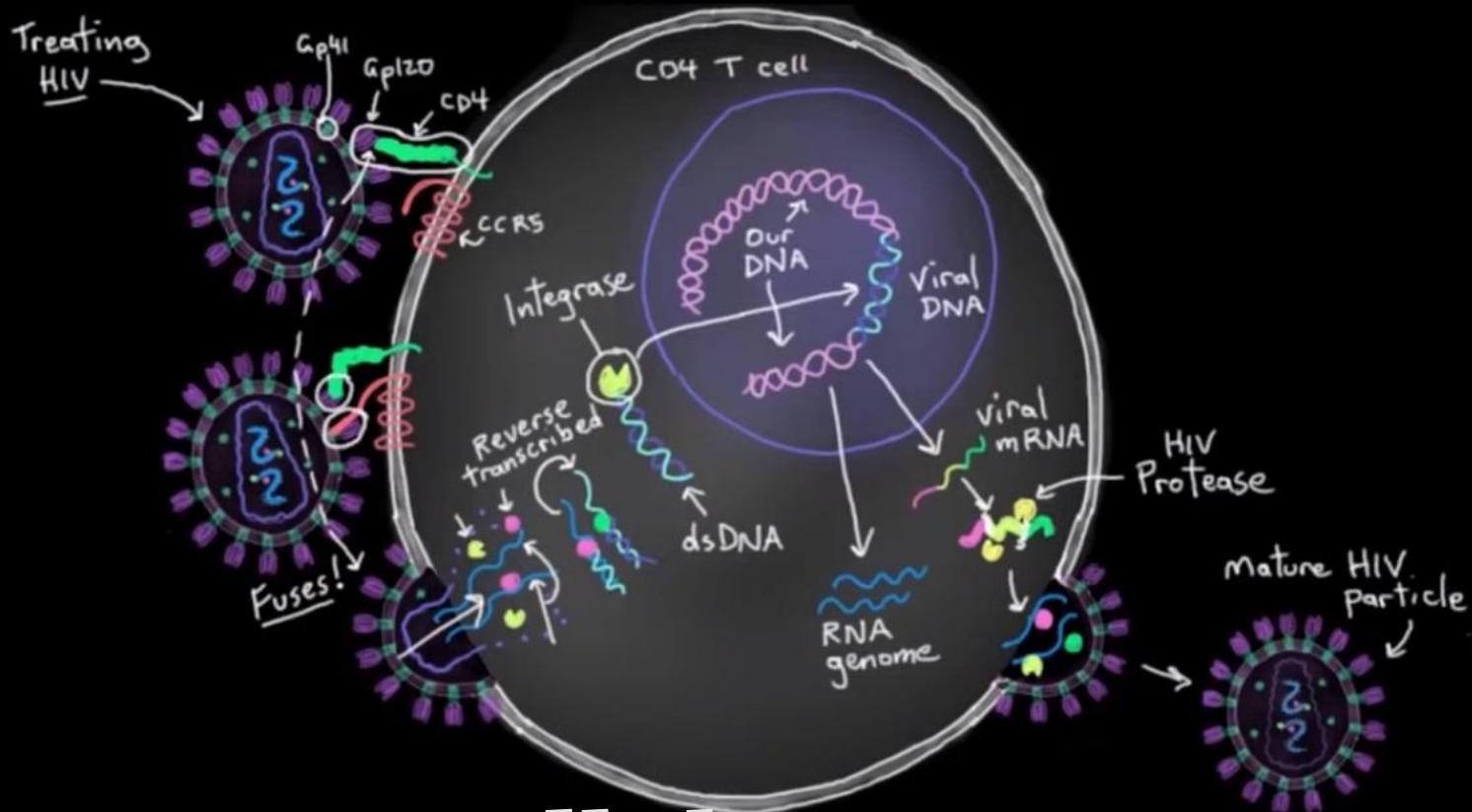


How does HIV function

Cutting



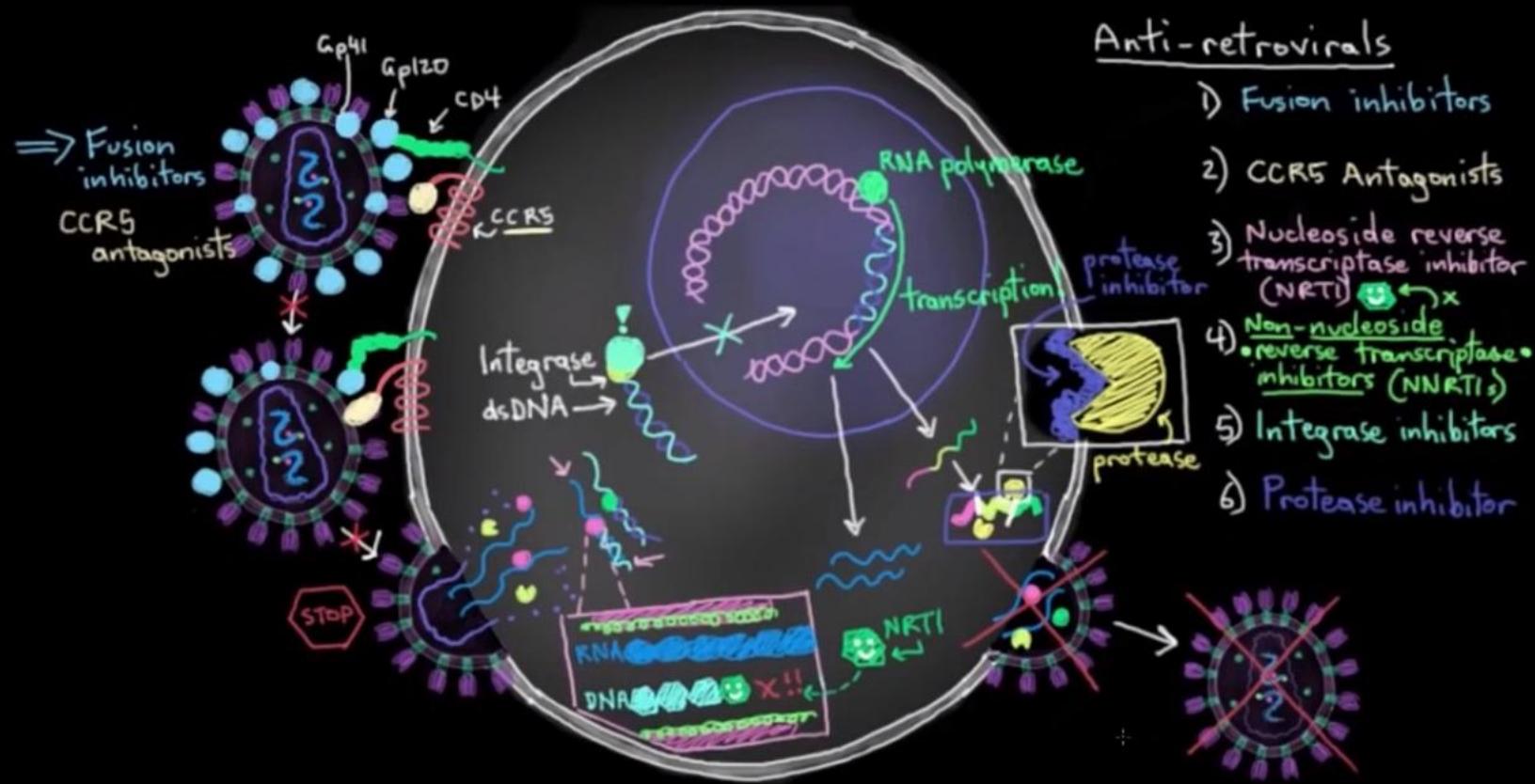
How does HIV function



All the way

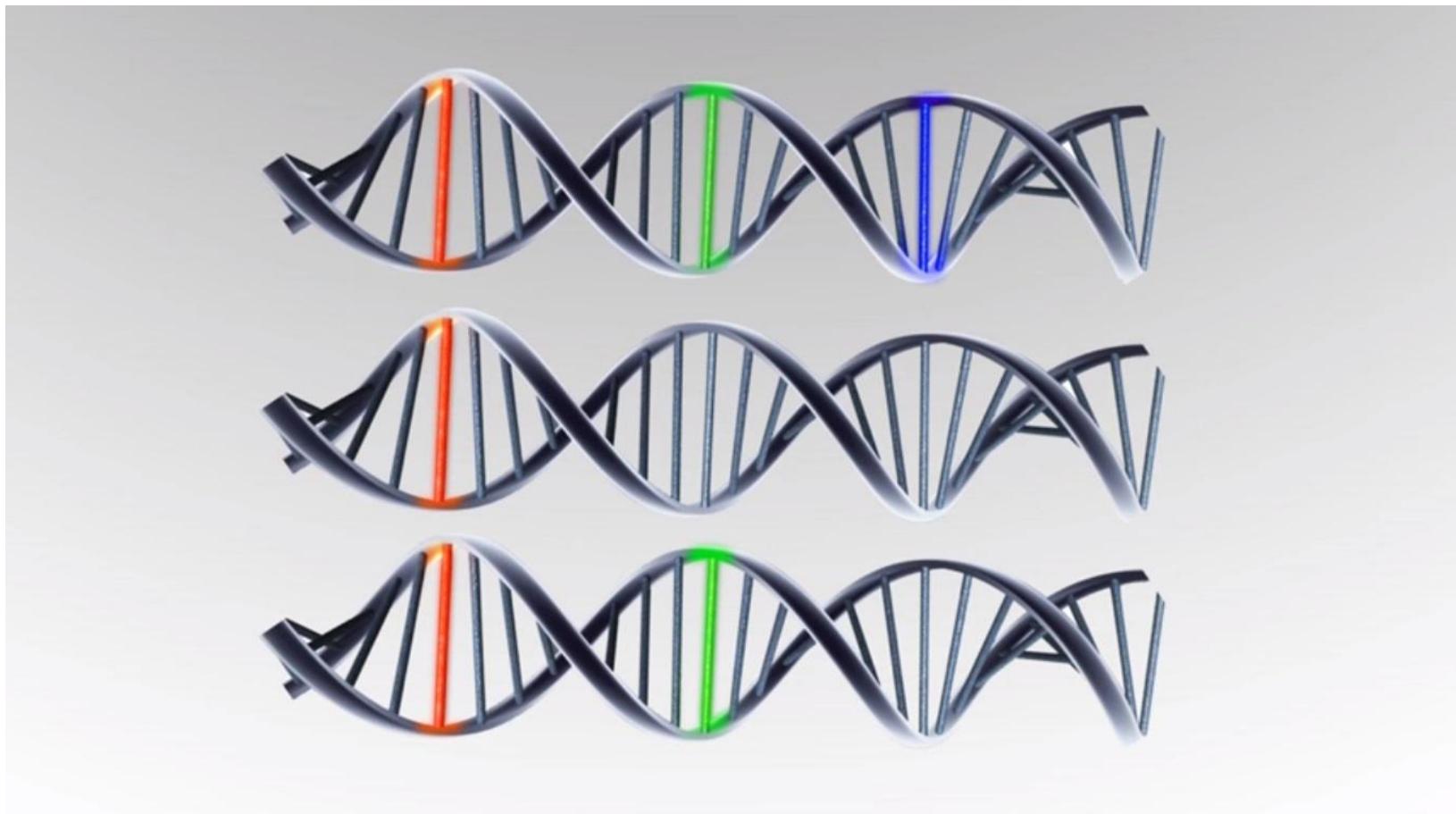


How dose anti-retrovirals works



Resistance problem

A large number of mutations



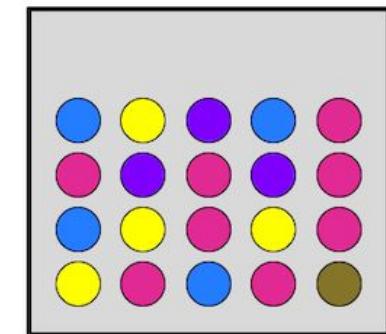
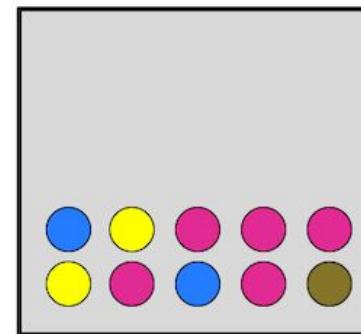
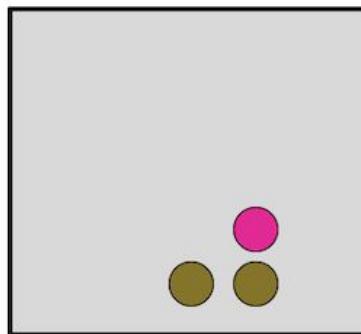
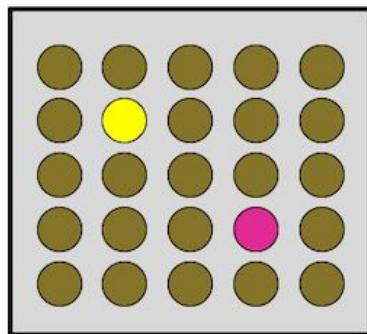
Resistance problem

Antiretroviral Therapy

Pretreatment

Initial Response

Adherence Problems



Wild-Type HIV

Resistant HIV

List of sources

1. <https://www.youtube.com/watch?v=Zi4Fqc8Fkws> – “How HIV infects us: CD4 (T-helper) lymphocyte infection” - Khan Academy Medicine.
2. <https://www.youtube.com/watch?v=wAfAitV-krc> – «Treating HIV: Antiretroviral Drugs» - Khan Academy Medicine.
3. <https://www.youtube.com/watch?v=8sipX86JfUw&t=26s> – “HIV Life Cycle” - Animated HIV Science
4. https://www.youtube.com/watch?v=5_nX16odmsQ&t=3s – “HIV Resistance: Basics principles” - Aviro Health
5. <https://www.hiv.uw.edu/go/antiretroviral-therapy/evaluation-management-virologic-failure/core-concept/all> – “Evaluation and Management of Virologic Failure” – National HIV curriculum.



Thank you for the attention