

15 минут о
жизни вирусов

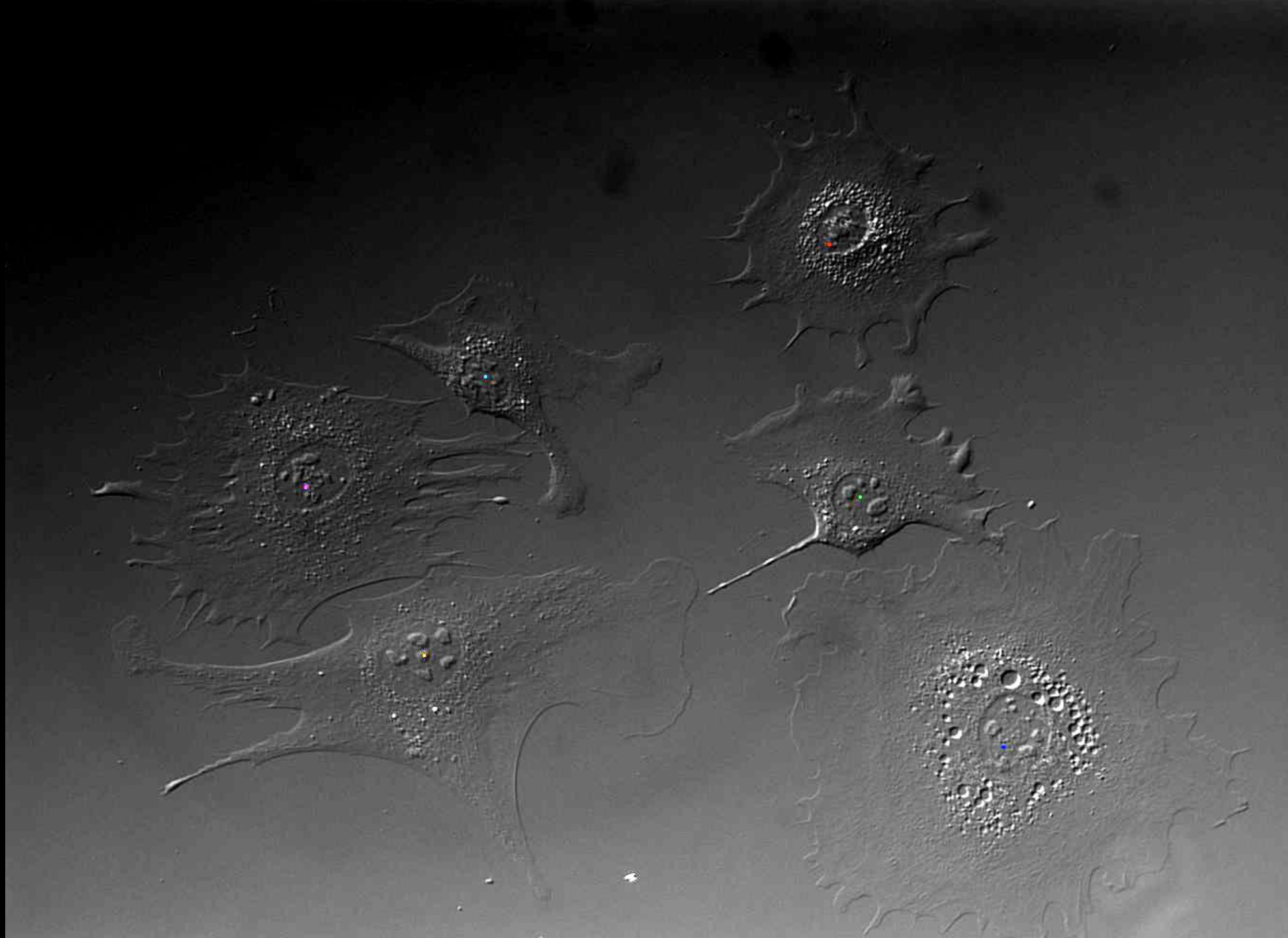
15x4

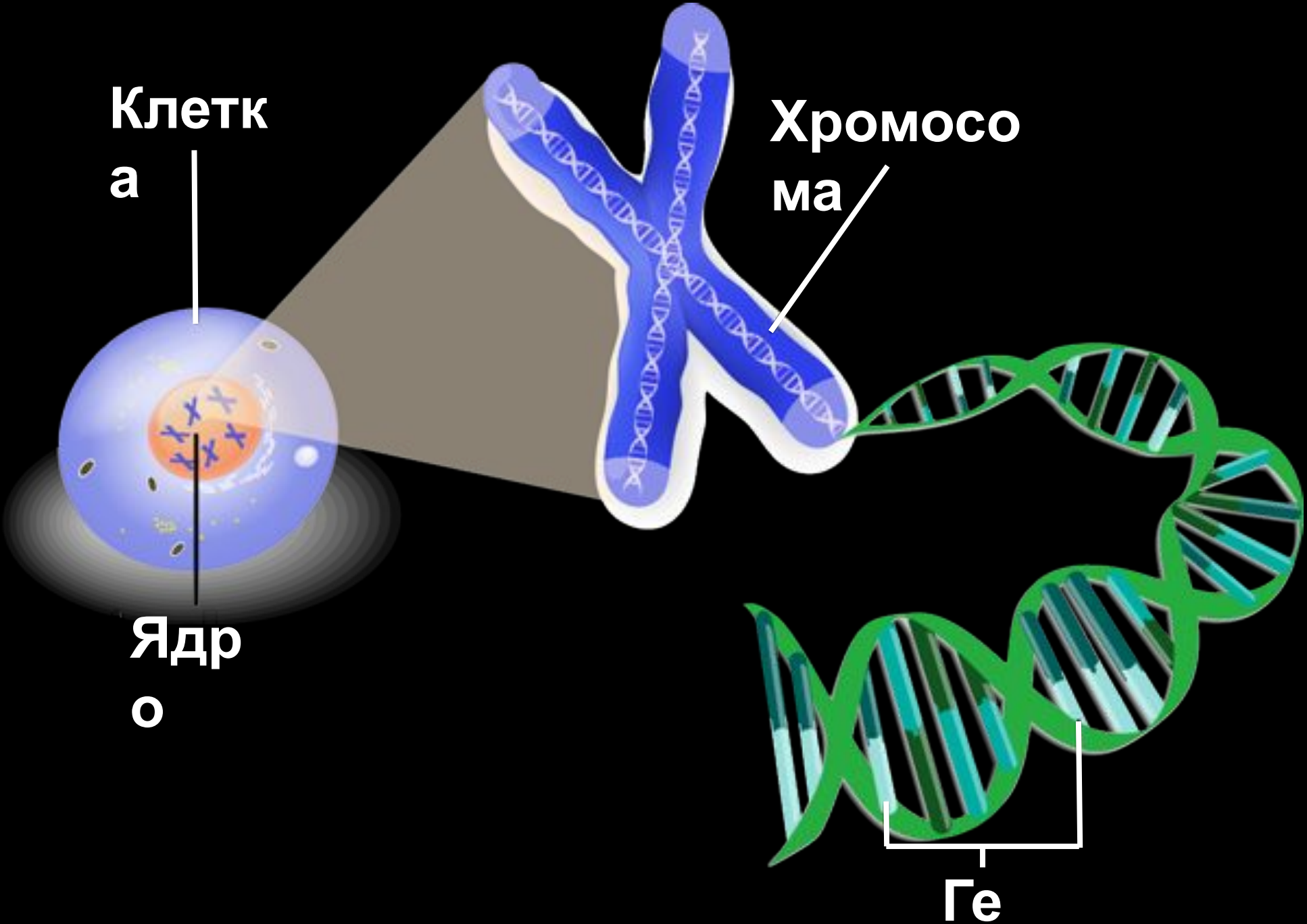
Юлия Евтеева











Клетка

а

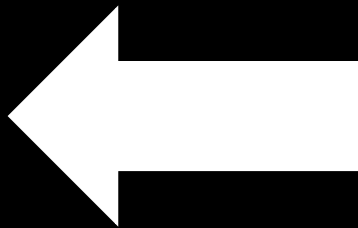
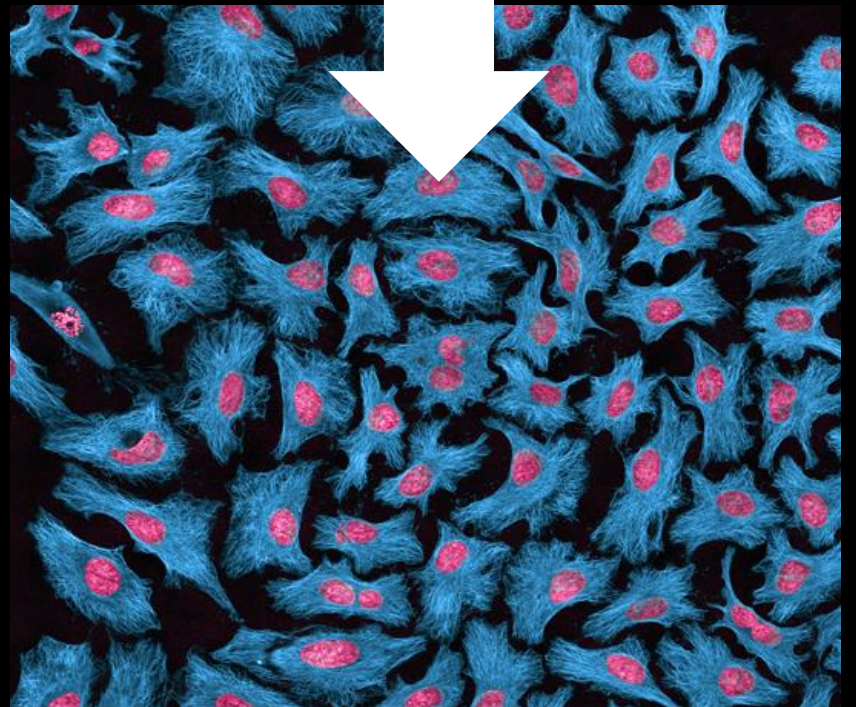
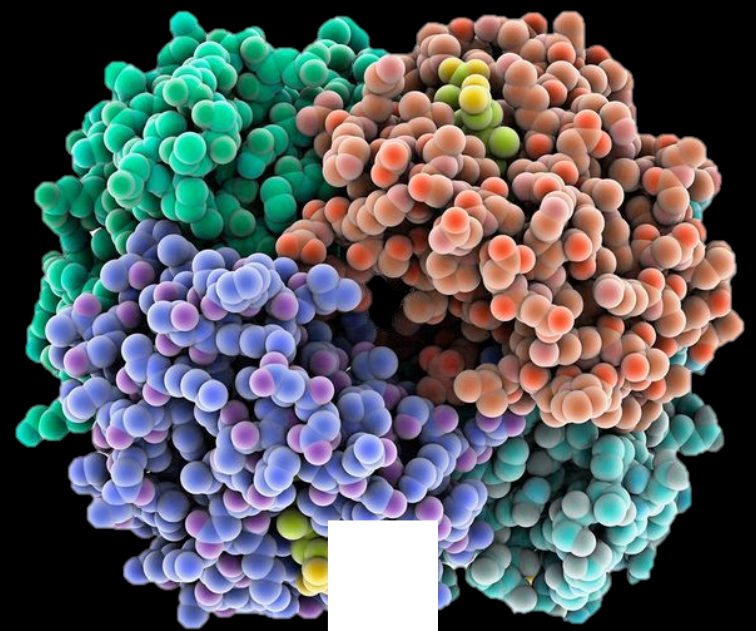
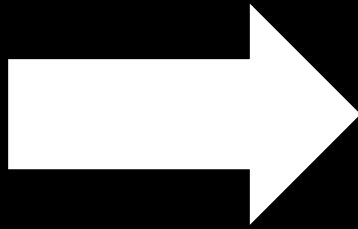
Ядро

о

Хромосома

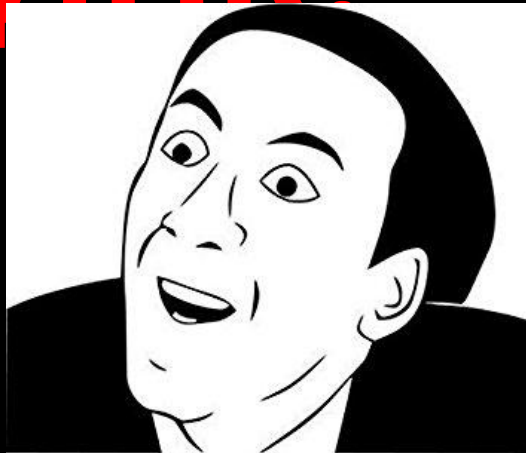
ма

Ген



Из чего состоят хромосомы и гены?

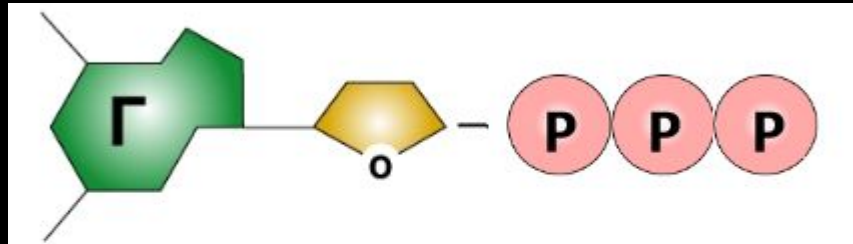
**Из
ДНК!**



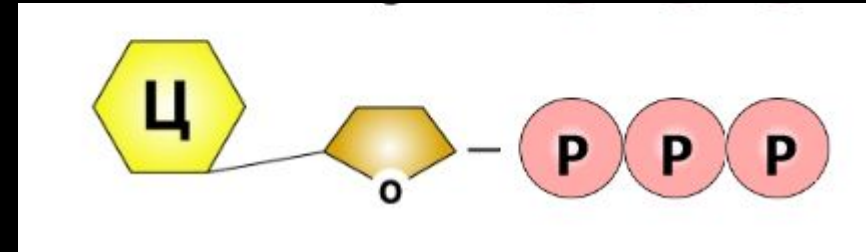


Нуклеотиды

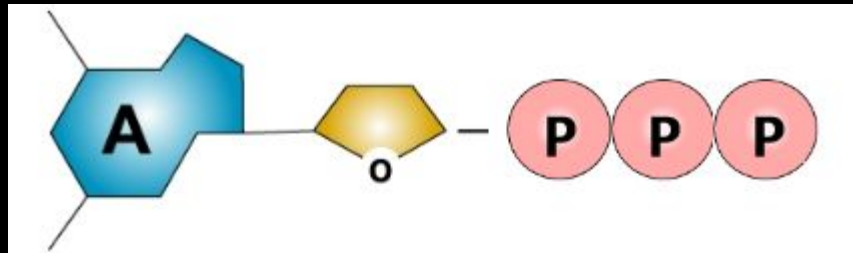
Гуанин



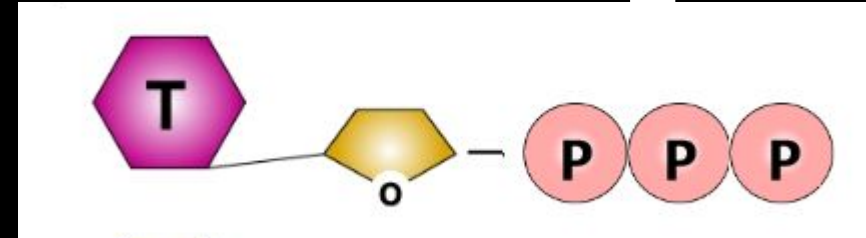
Цитозин



Аденин

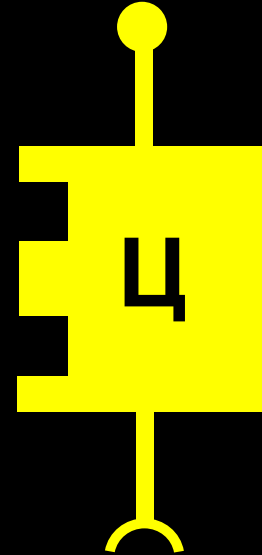


Тимин



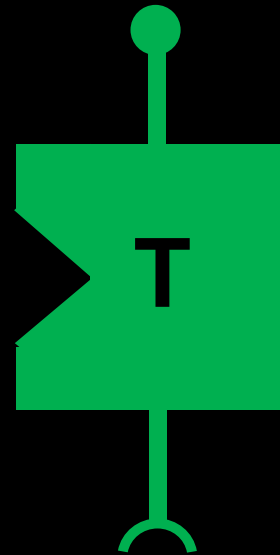
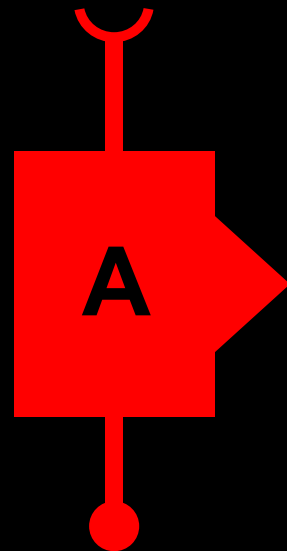
Комплементарно

Гуани
н

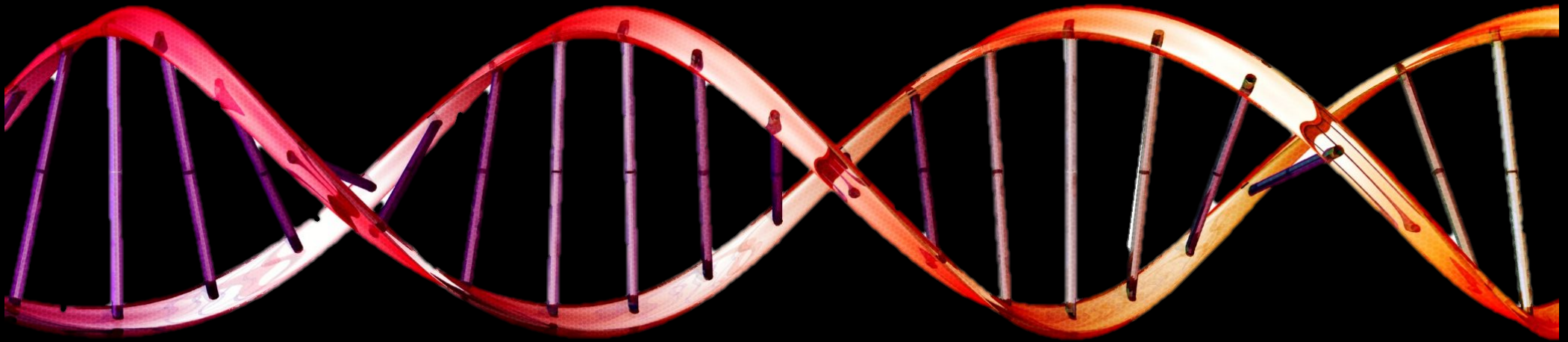
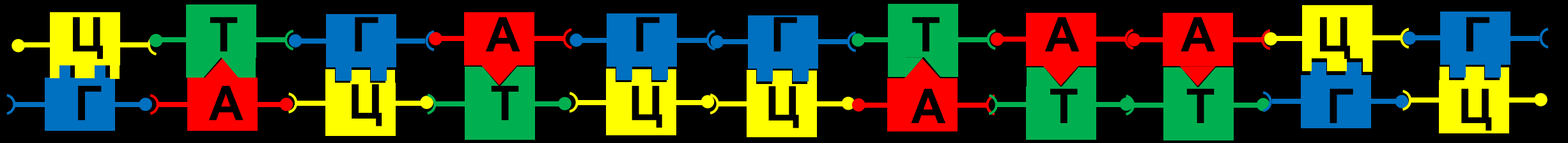


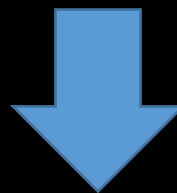
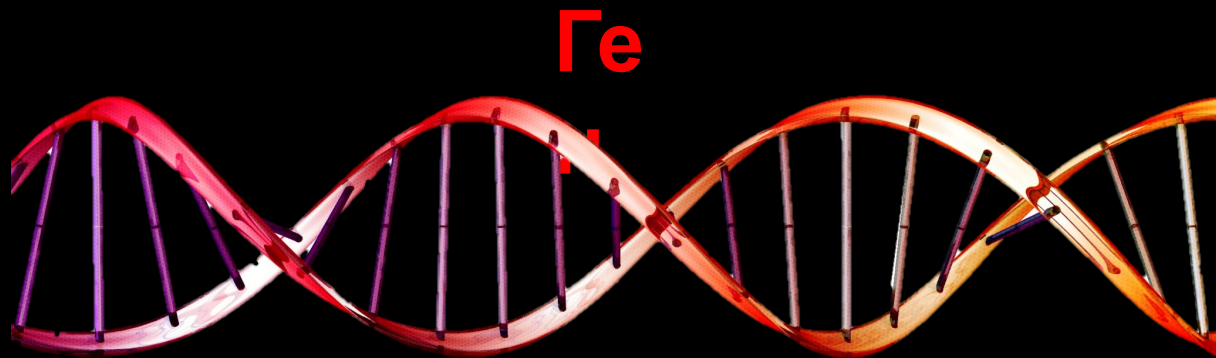
Цитози
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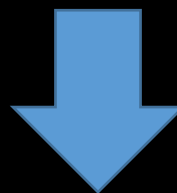


Тими
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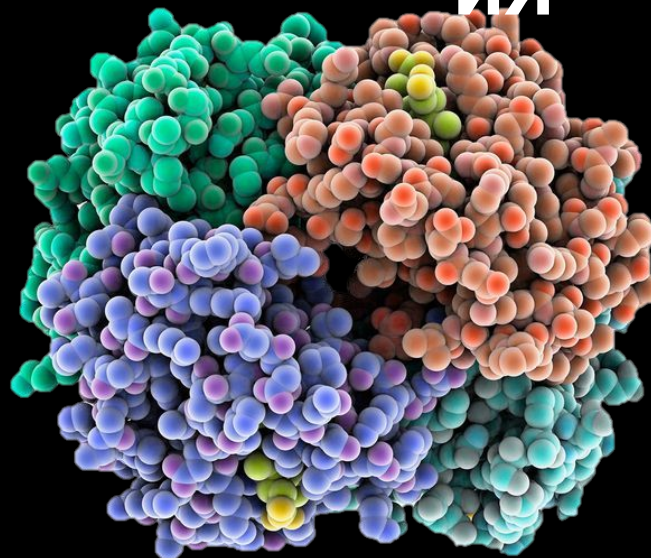




**Транскрипц
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**Трансляц
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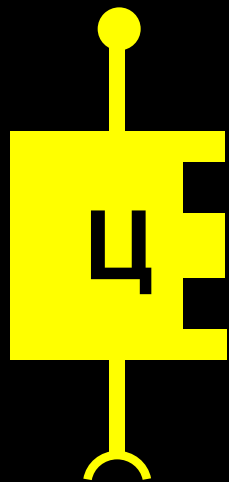
РН
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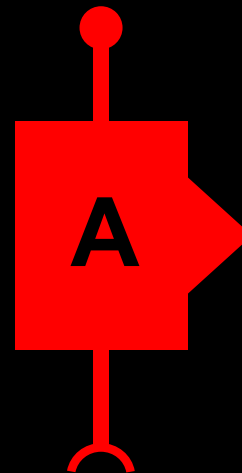
ДН
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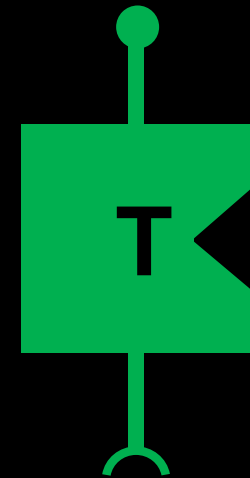
Гуани



Цитози

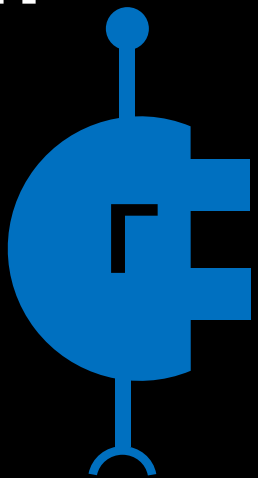


Адени



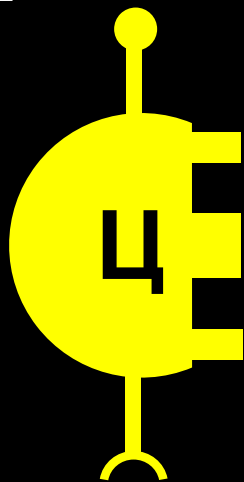
Тими

Н



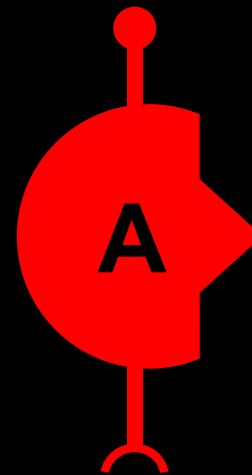
Гуани

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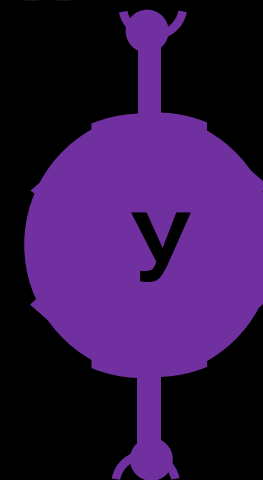
Цитози

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Адени

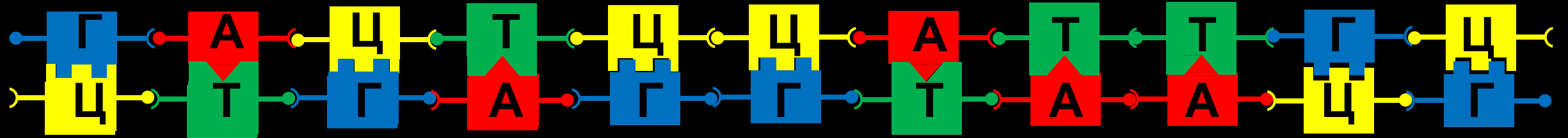
Н



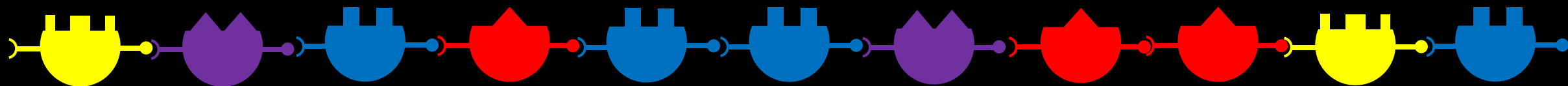
Ураци

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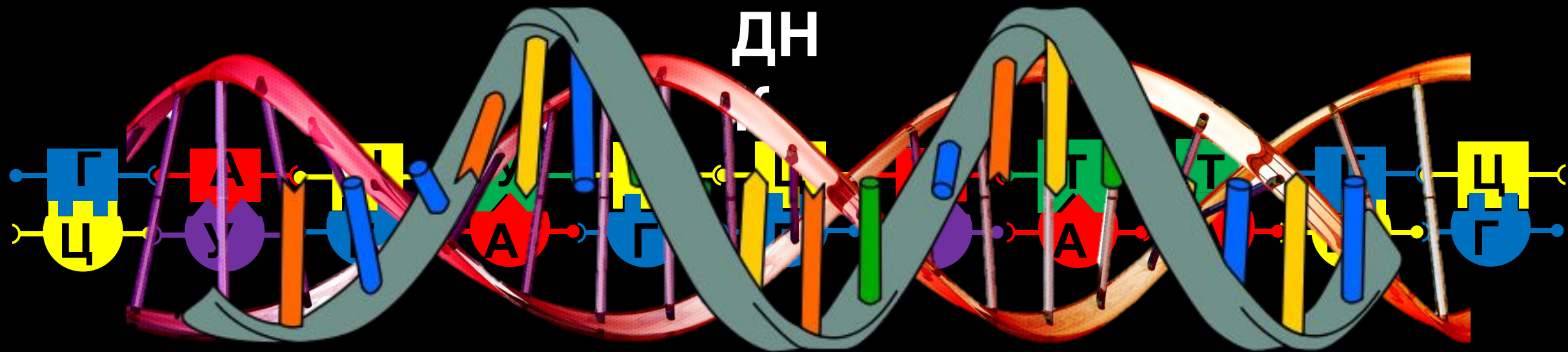
ДН
К



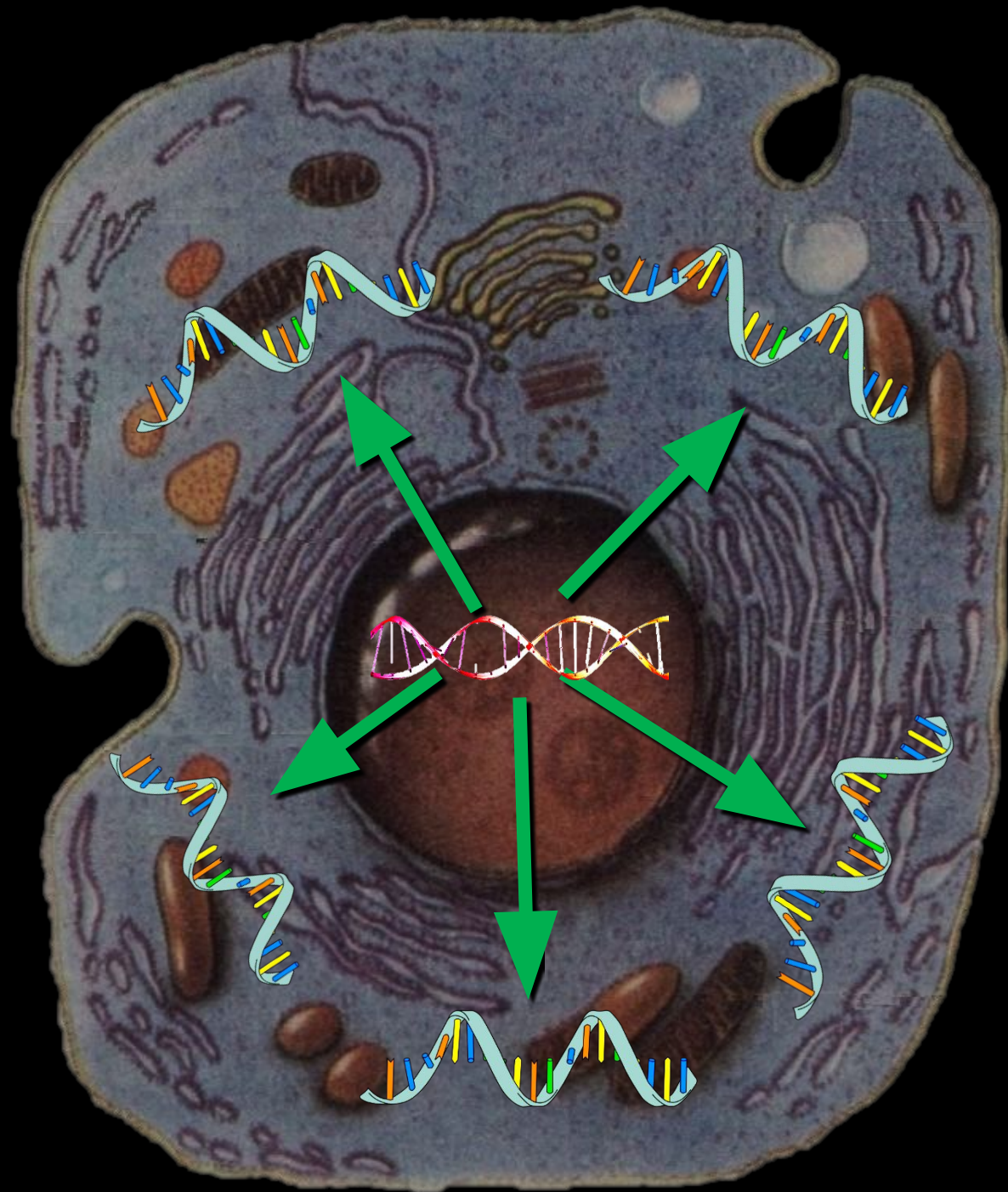
ДН
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РНК-
полимераза

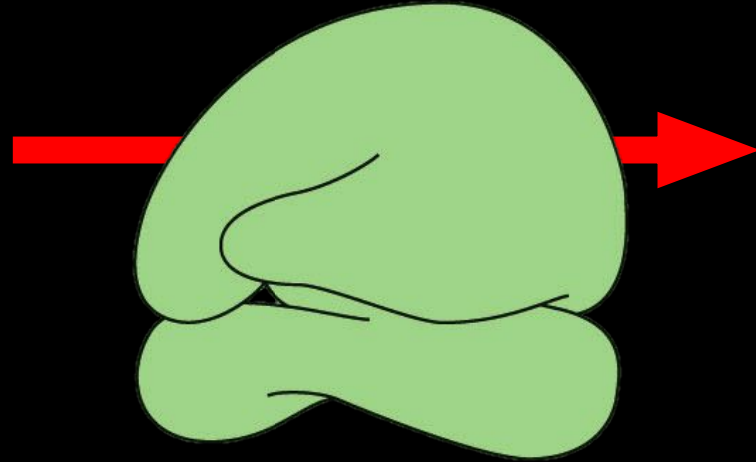


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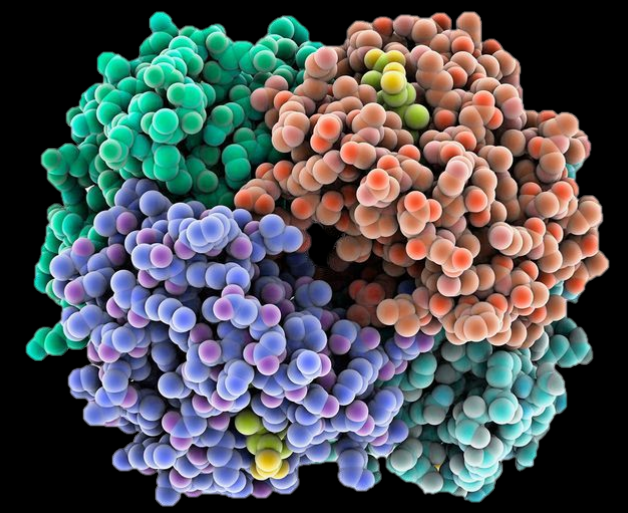
Трансляция

РНК



Рибосома

Белок

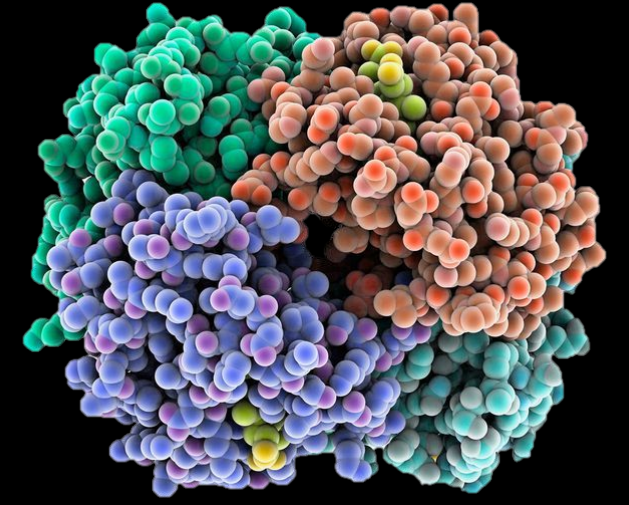




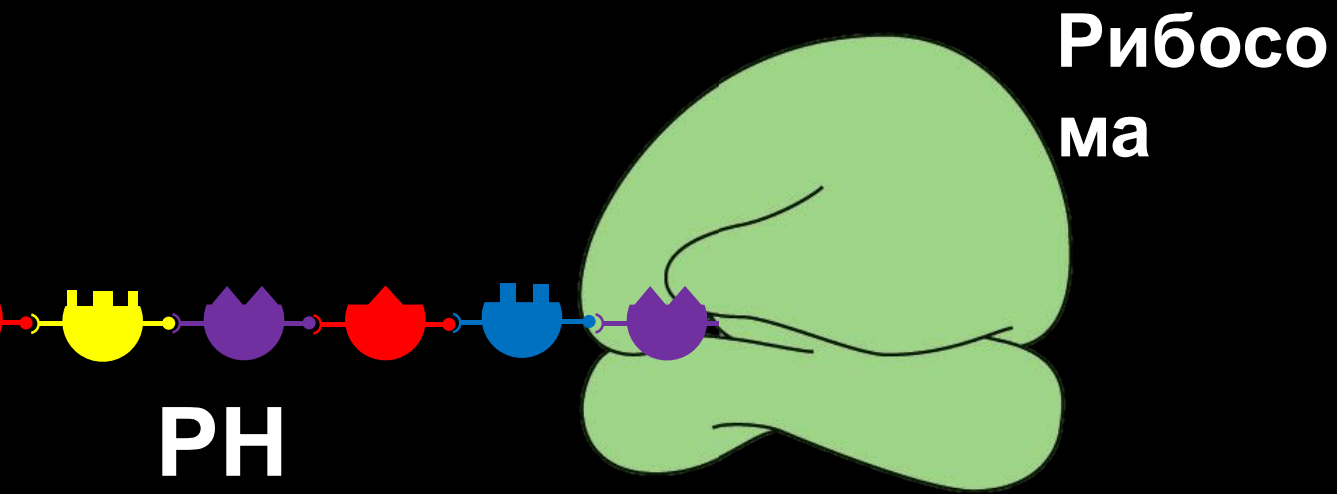
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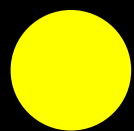
Рибосома



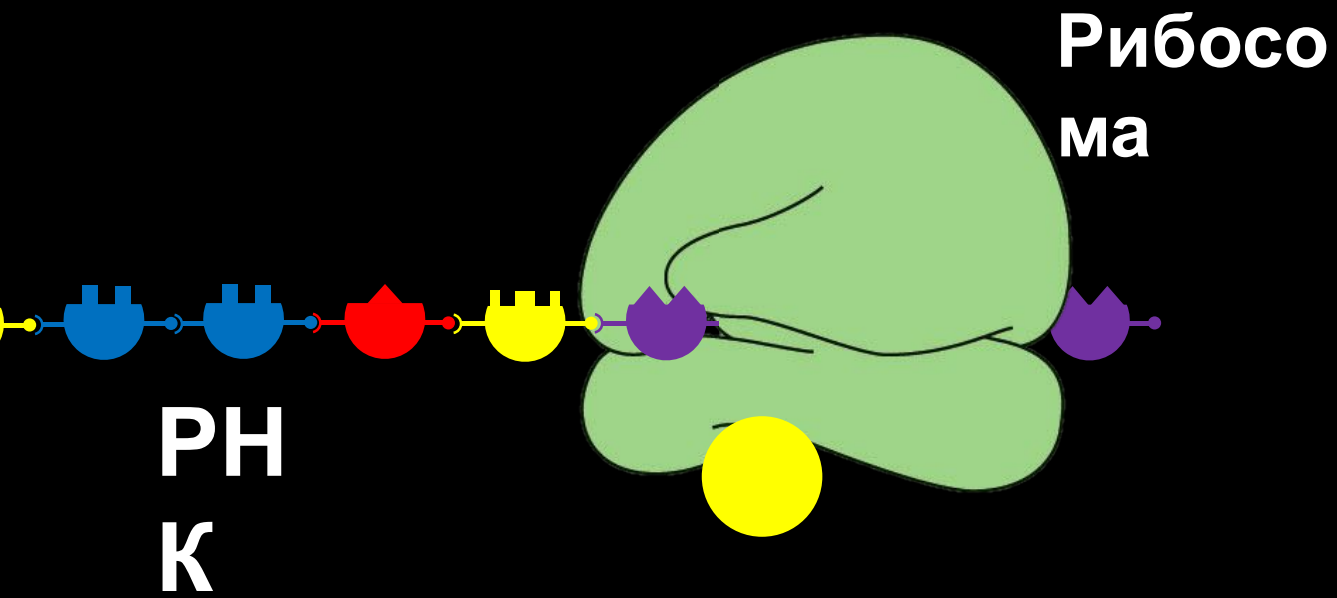
Бело
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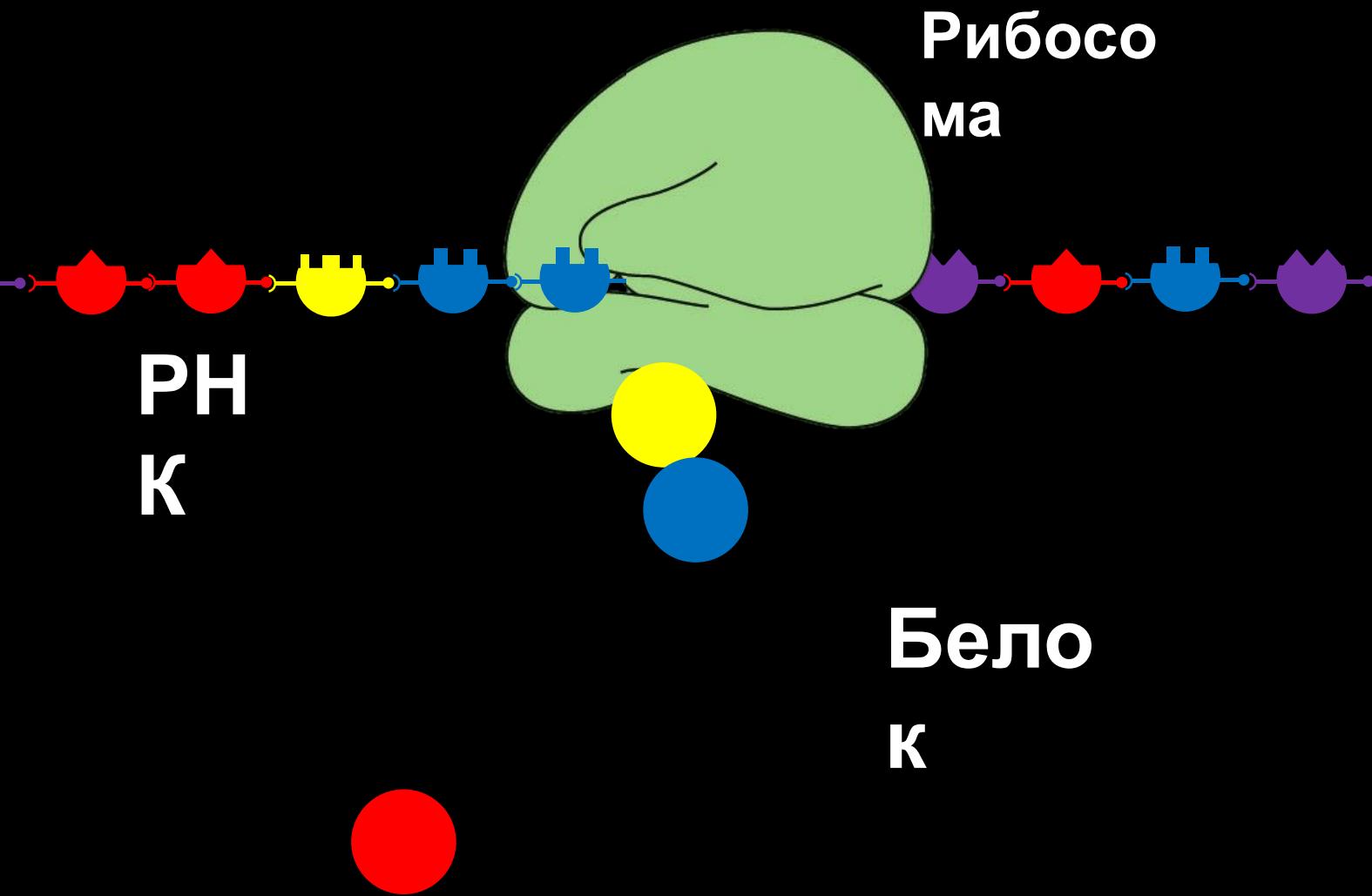


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Бело
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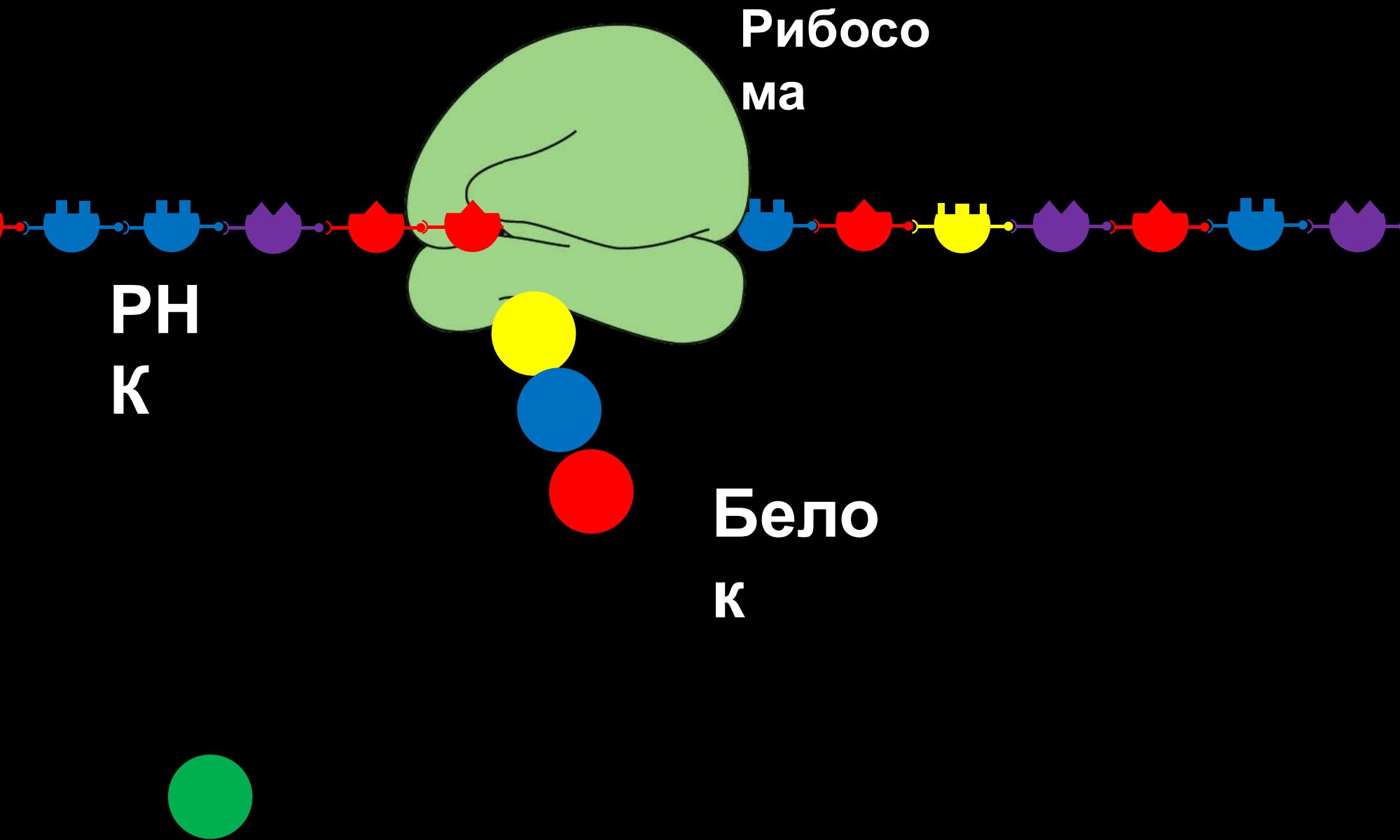


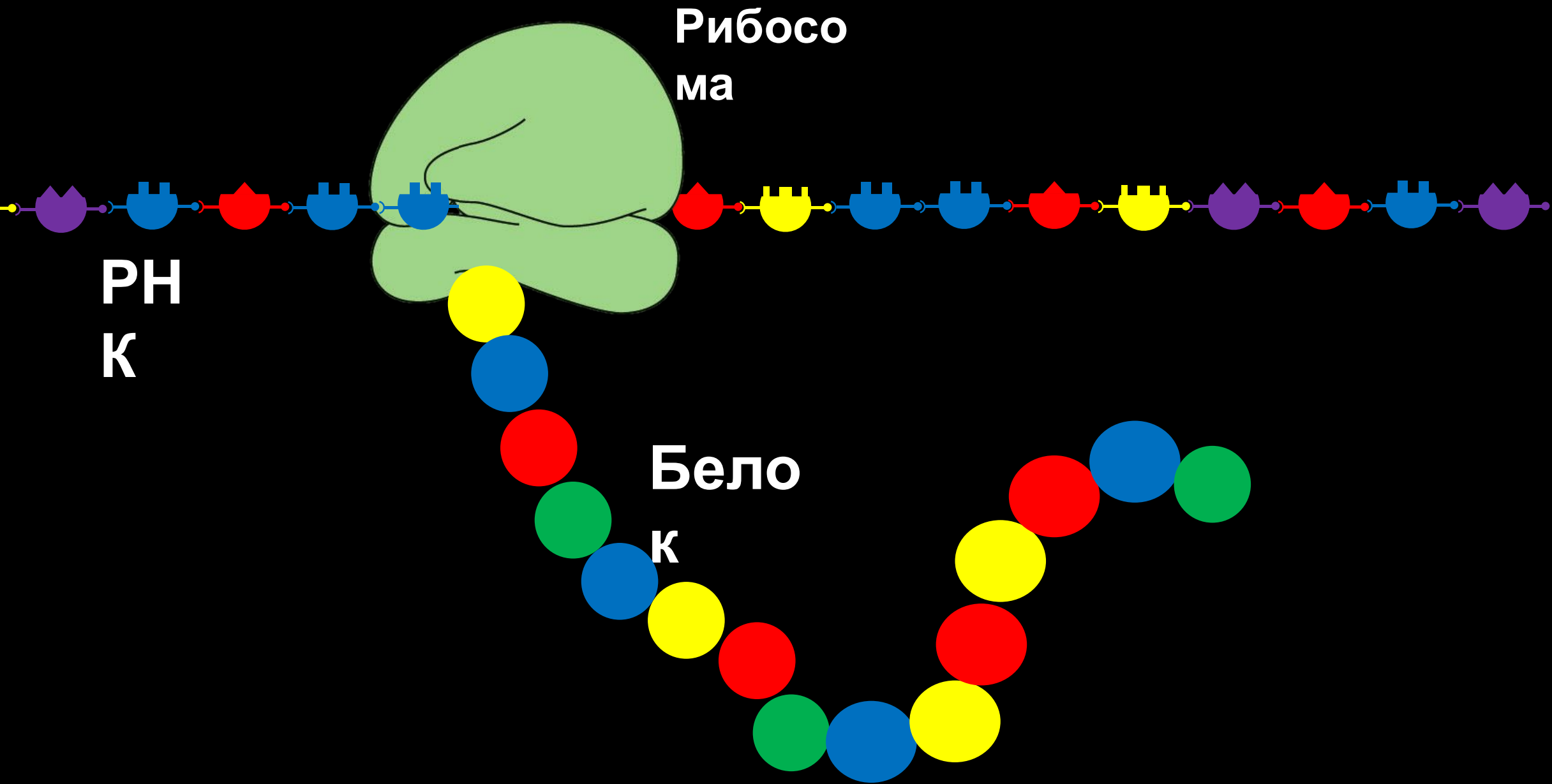


Рибосо
ма

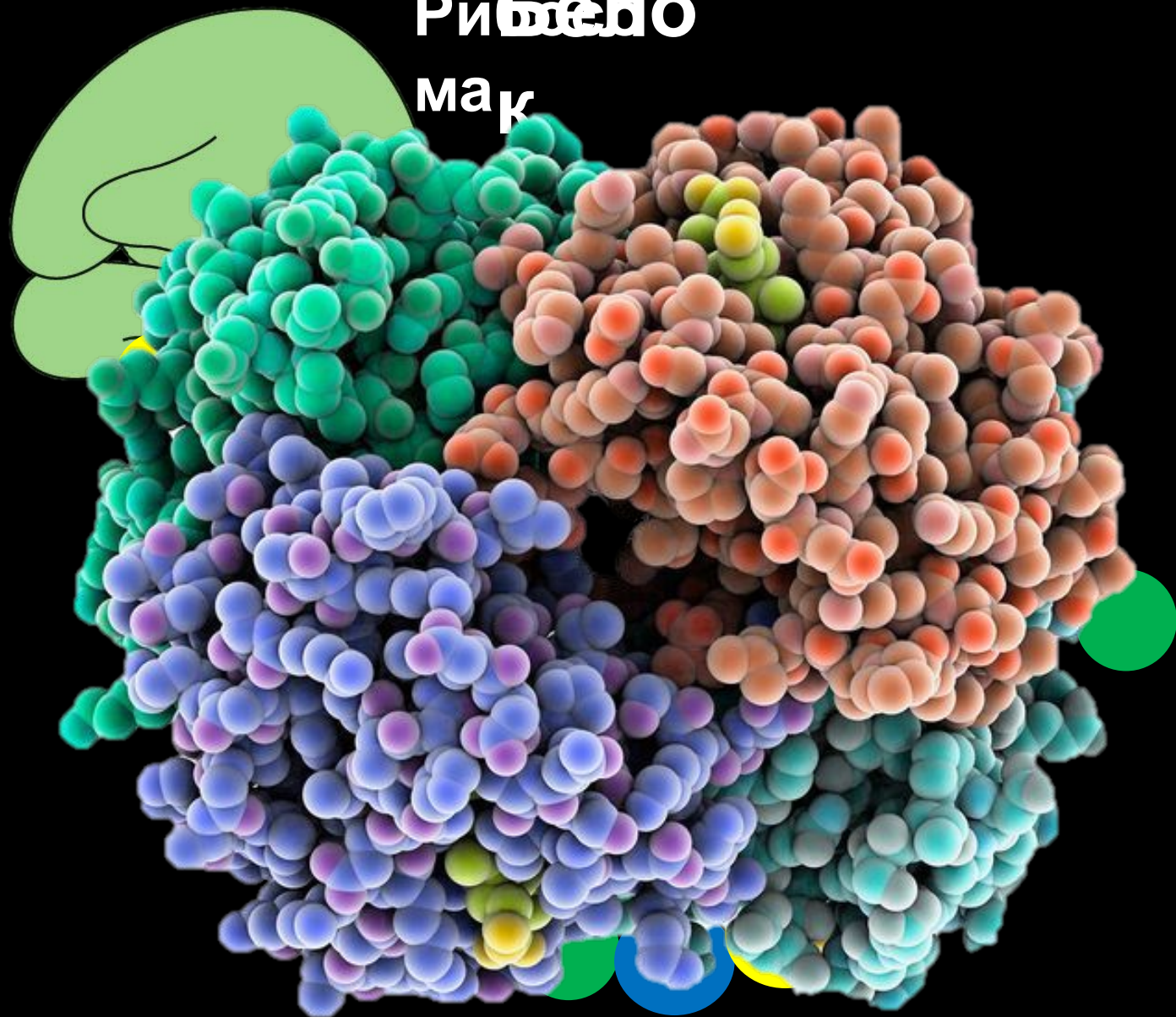
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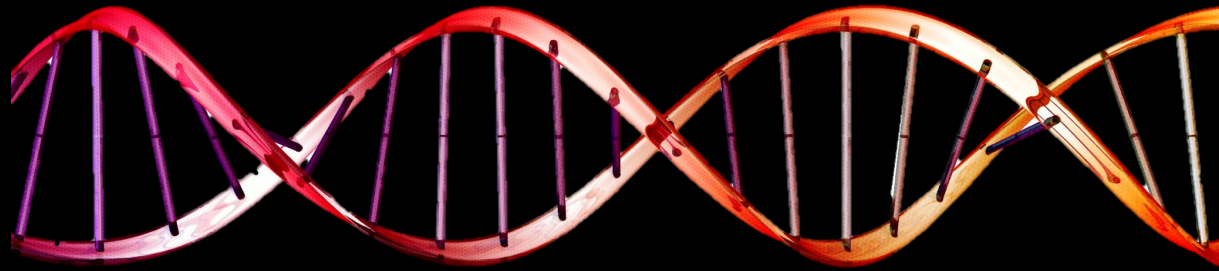
Бело
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Рибосома

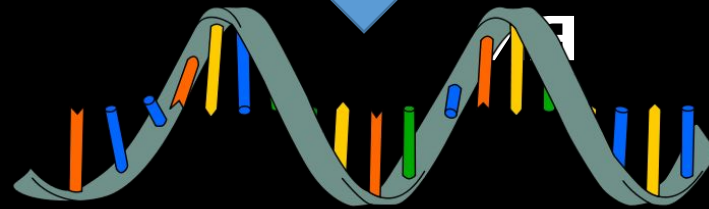




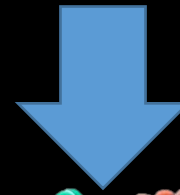
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Транскрипц



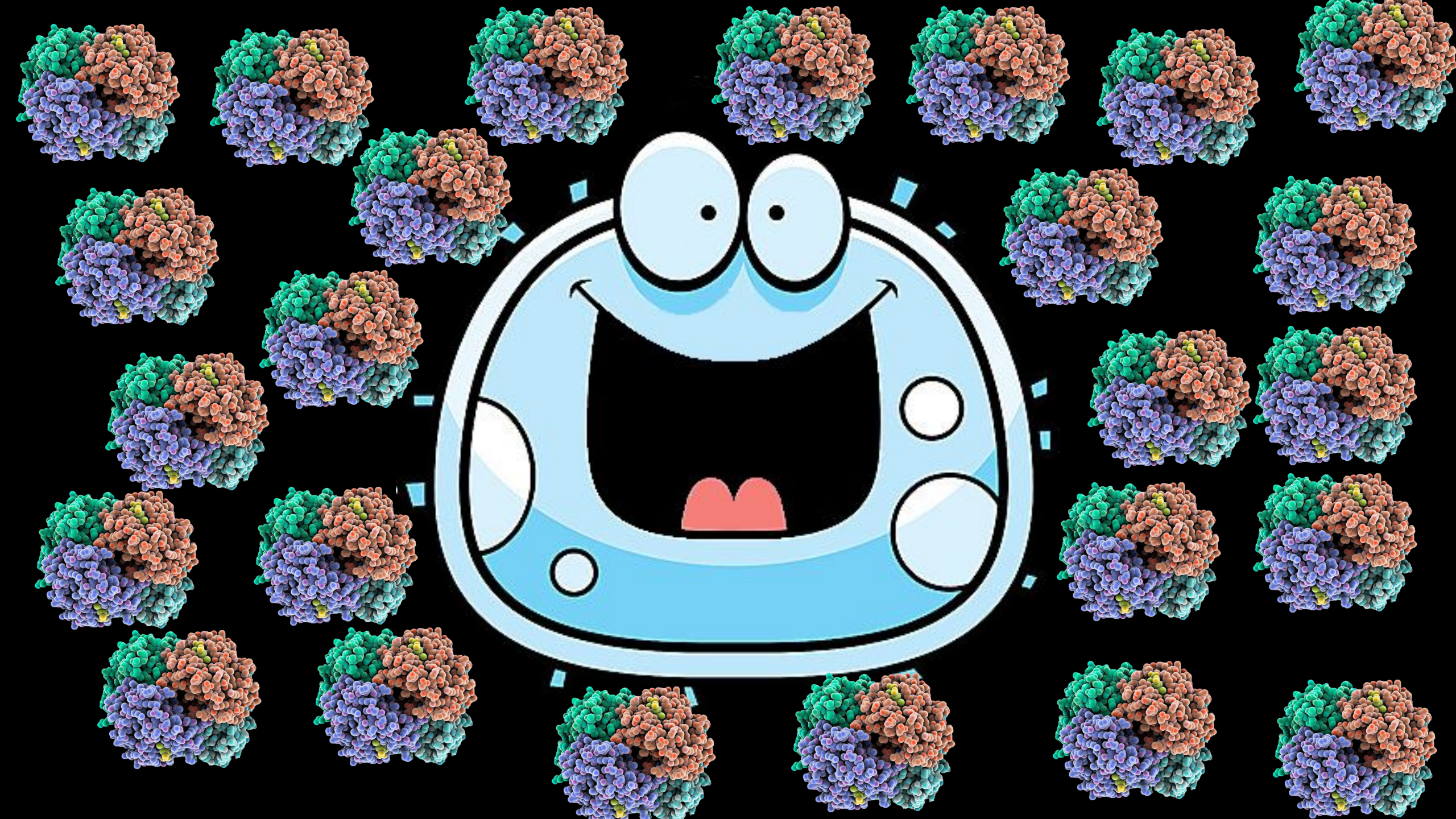
**РН
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**Трансляц
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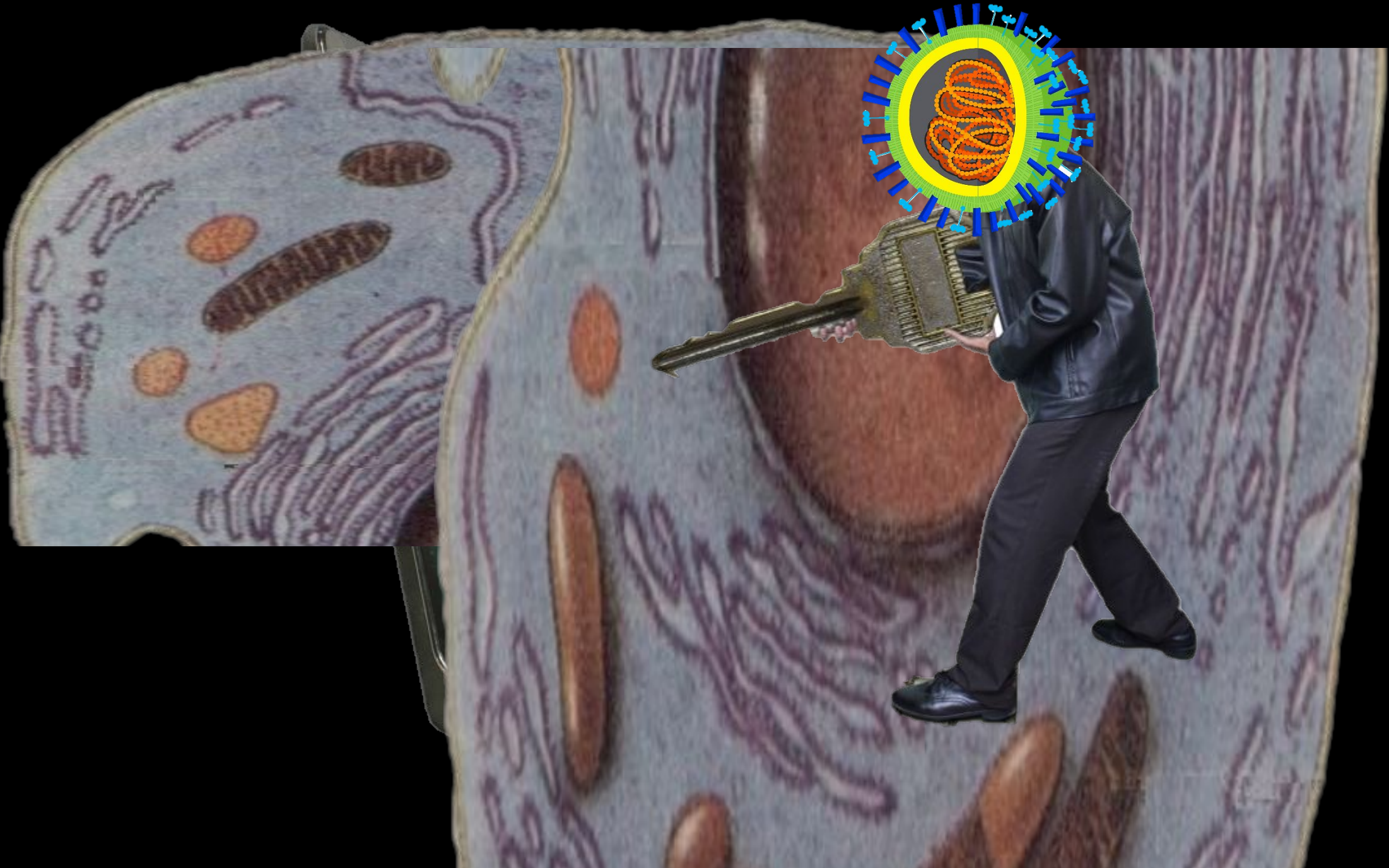
Белок

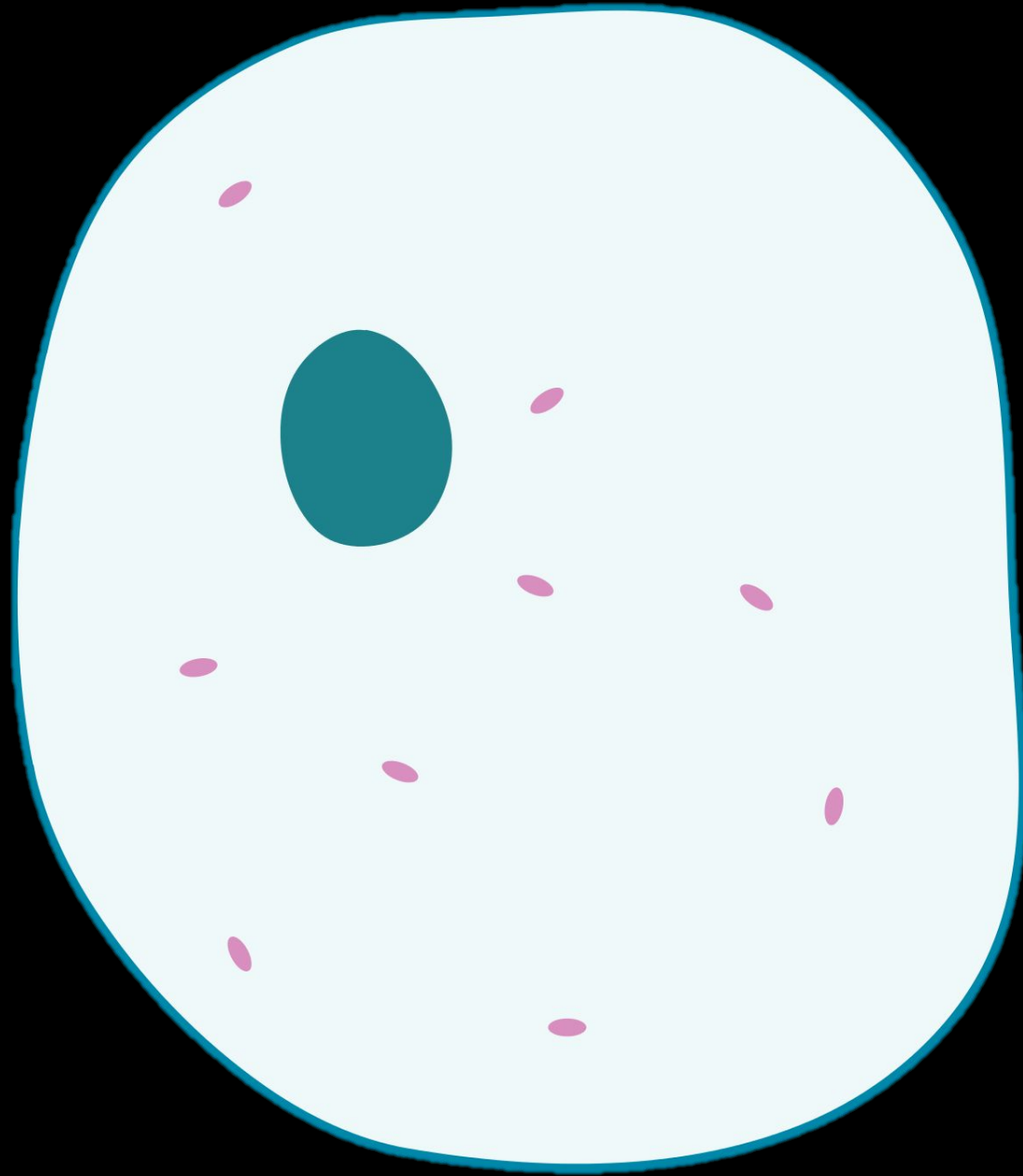
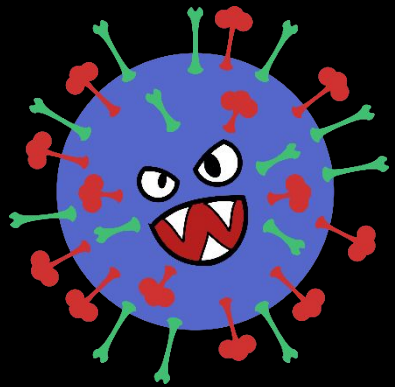


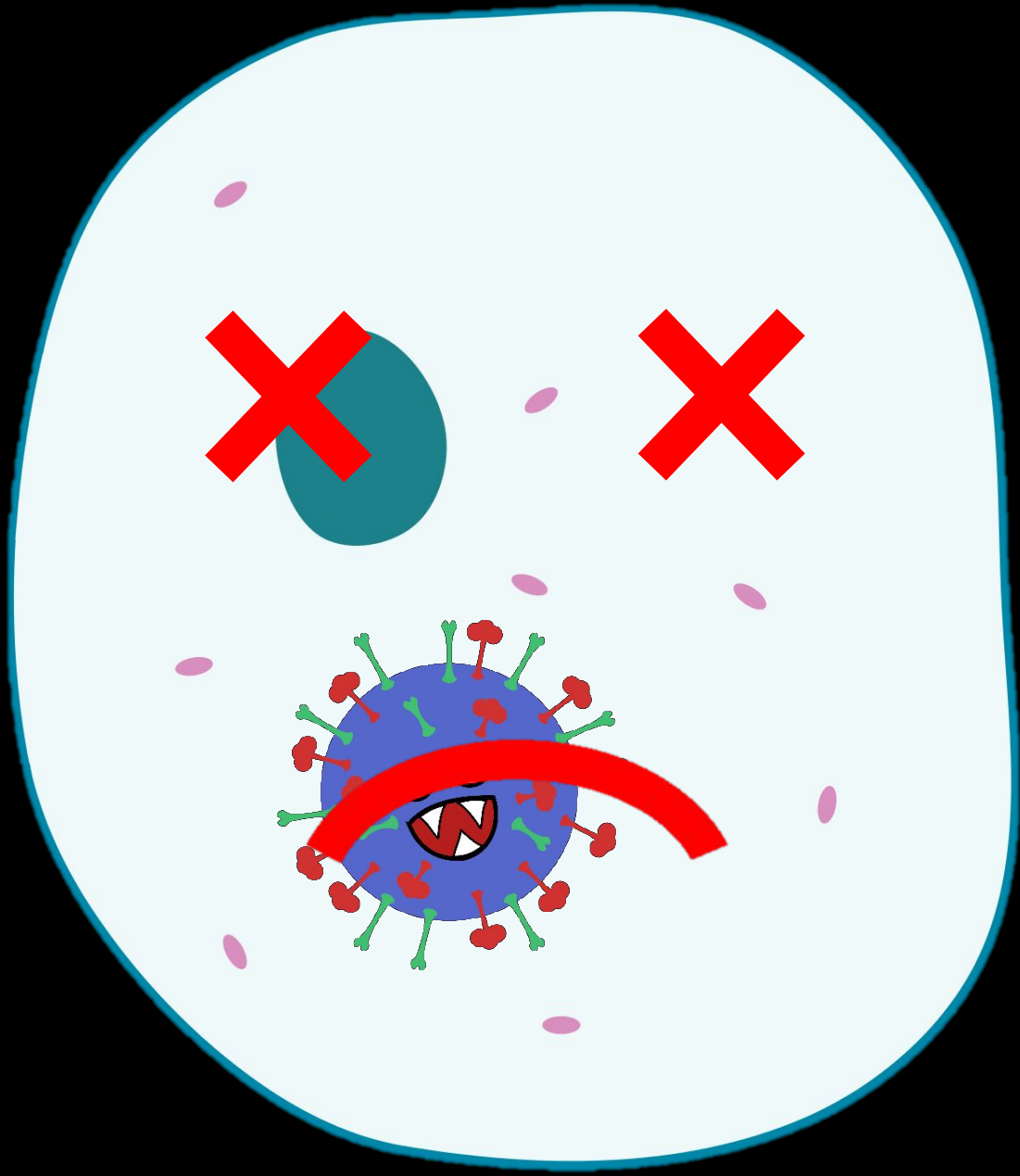
MISS ME?

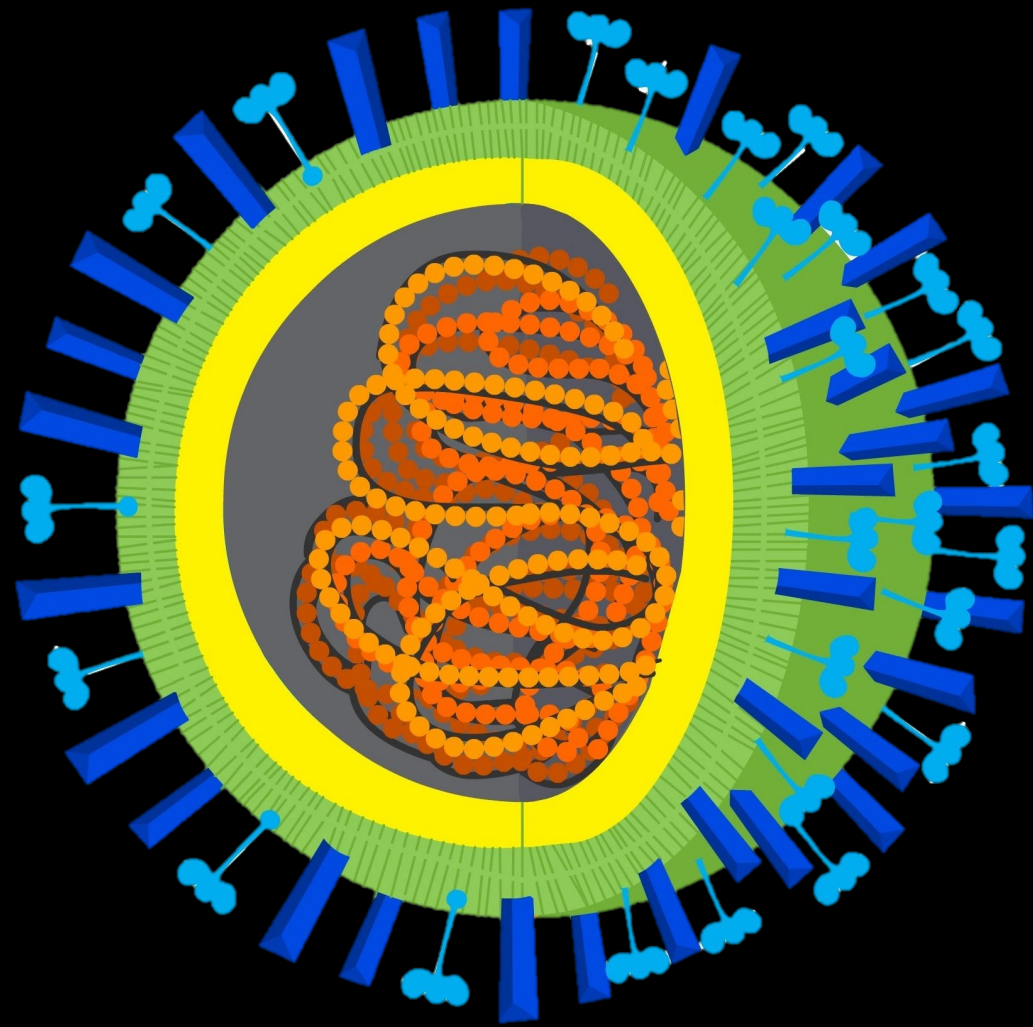


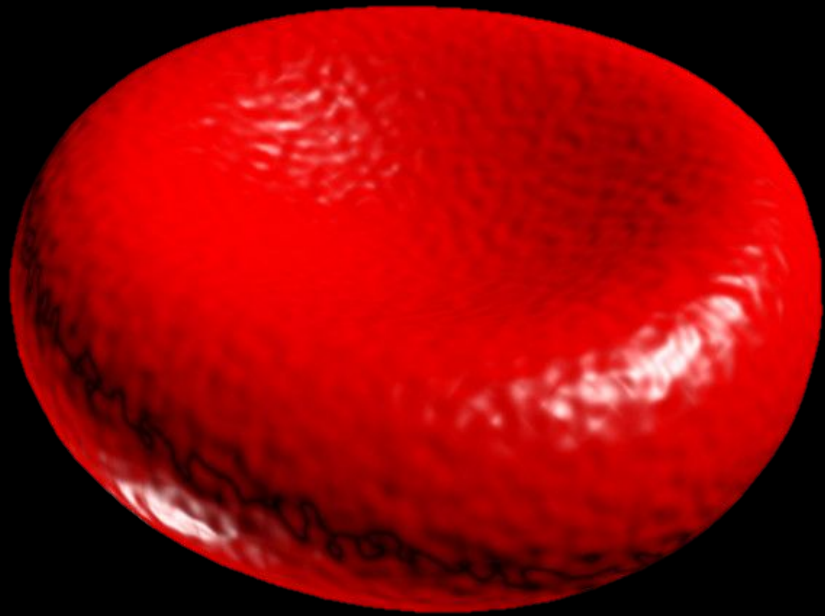




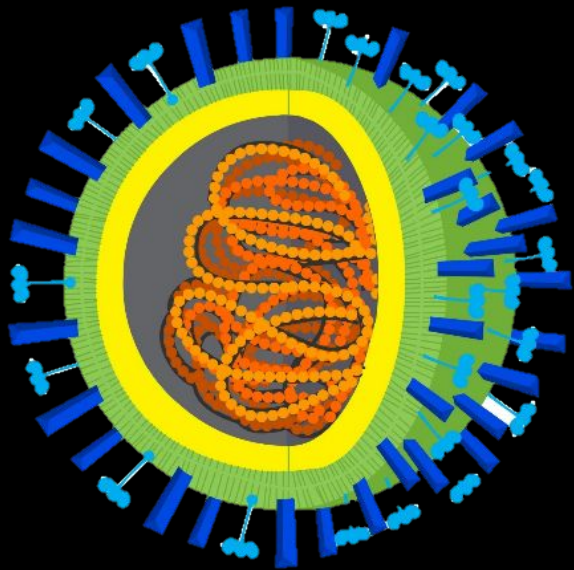






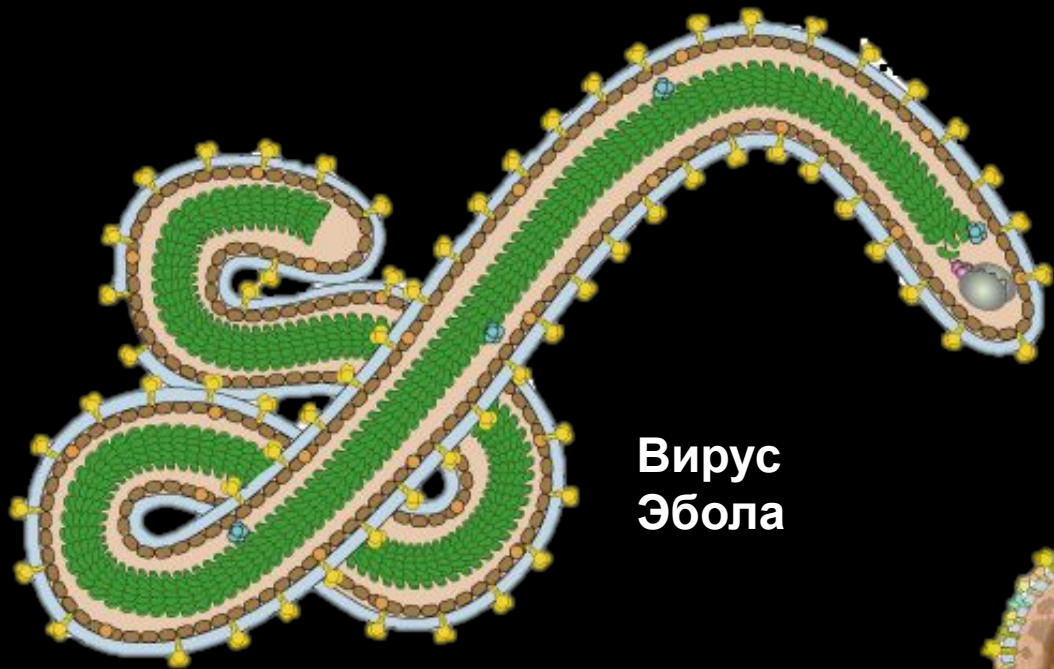


8 МКМ

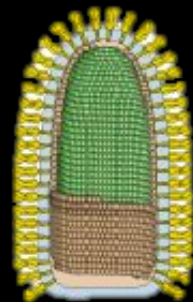


0,02 МКМ

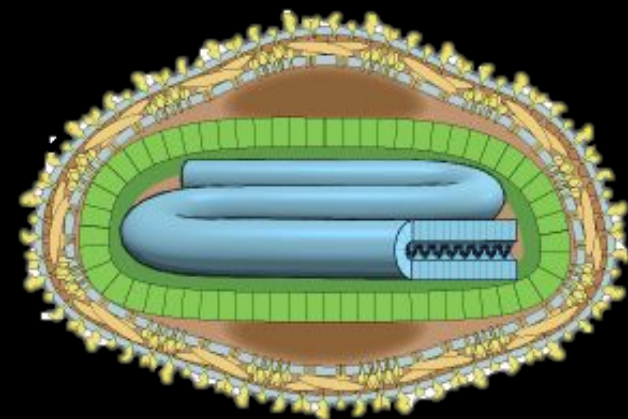




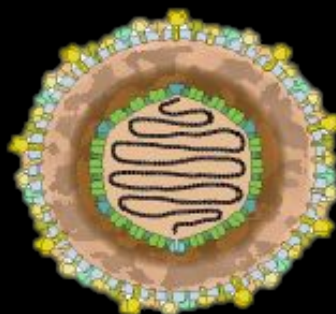
**Вирус
Эбола**



**Вирус
бешенства**



**Вирус
оспы**



**Вирус
герпеса**



**Вирус
кори**



**ВИ
Ч**



**Вирус
гриппа**



**Аденовир
ус**



**Вирус
Зика**



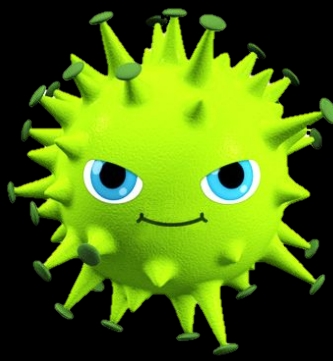
**Вирус
гепатита
С**



**Вирус
полиомиели
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Строени

е



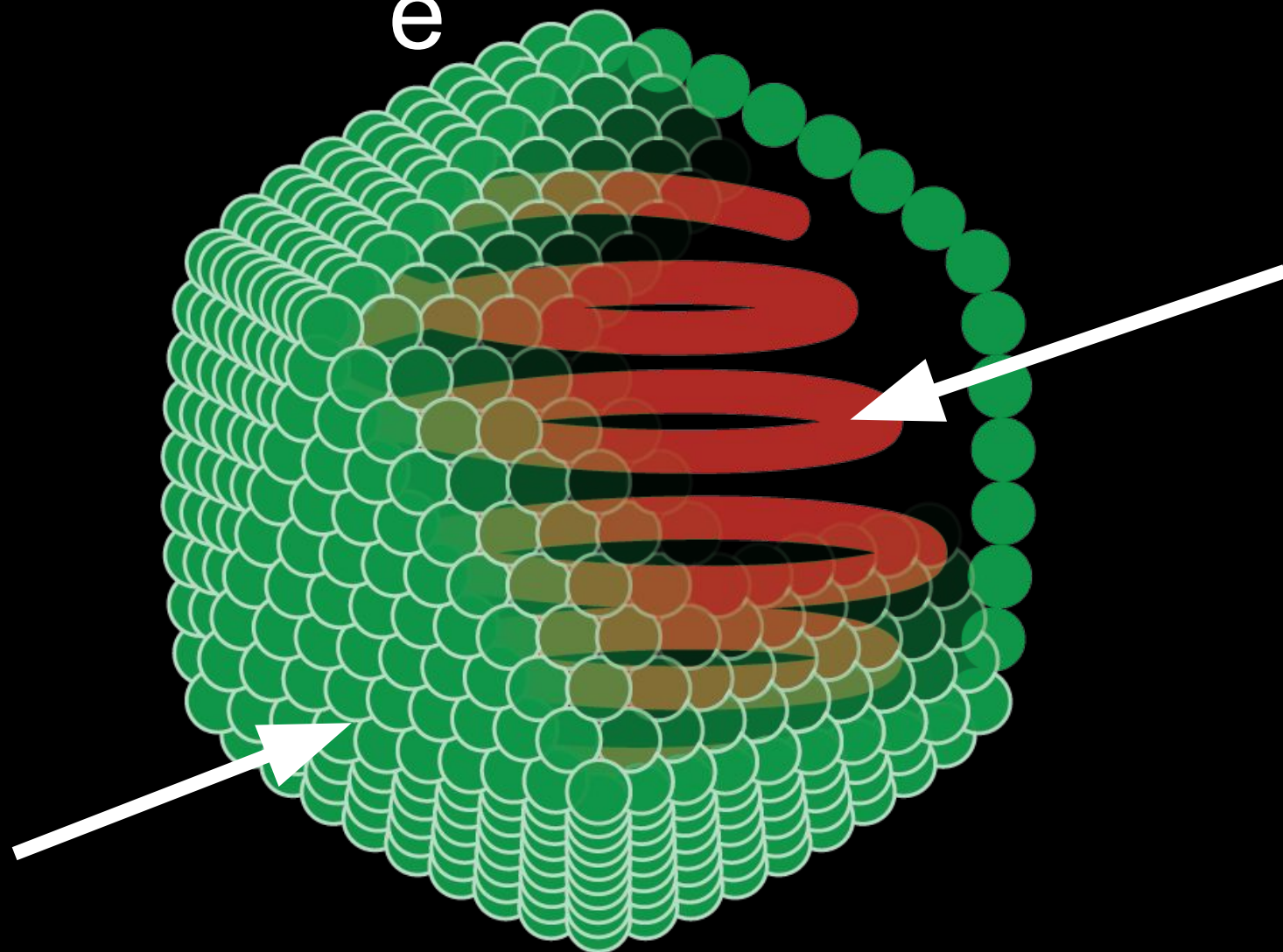
- Простые
- Сложные (с оболочкой)

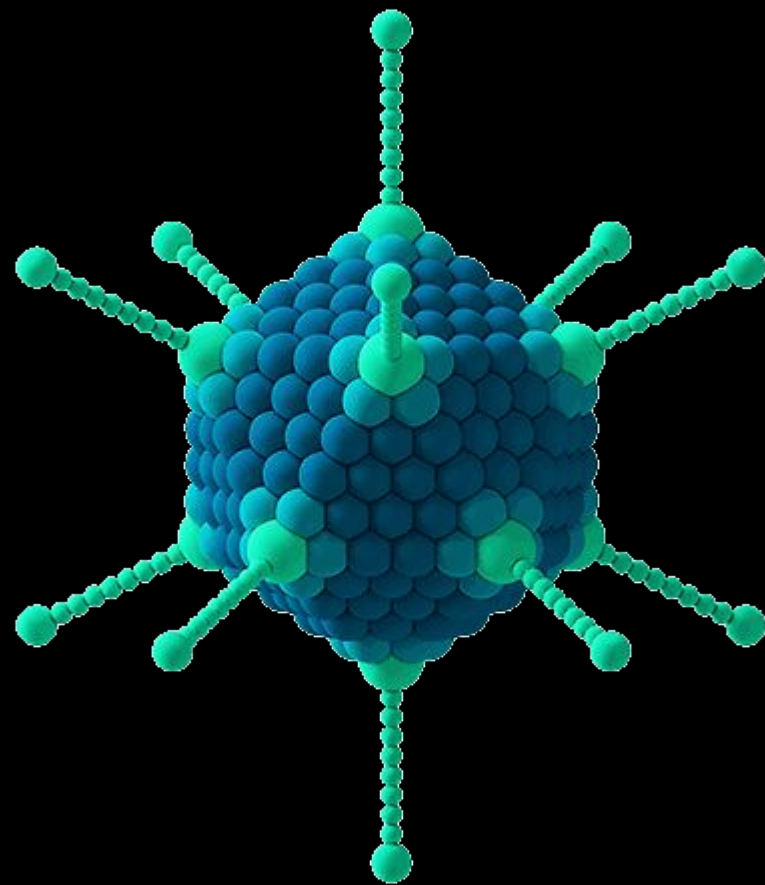
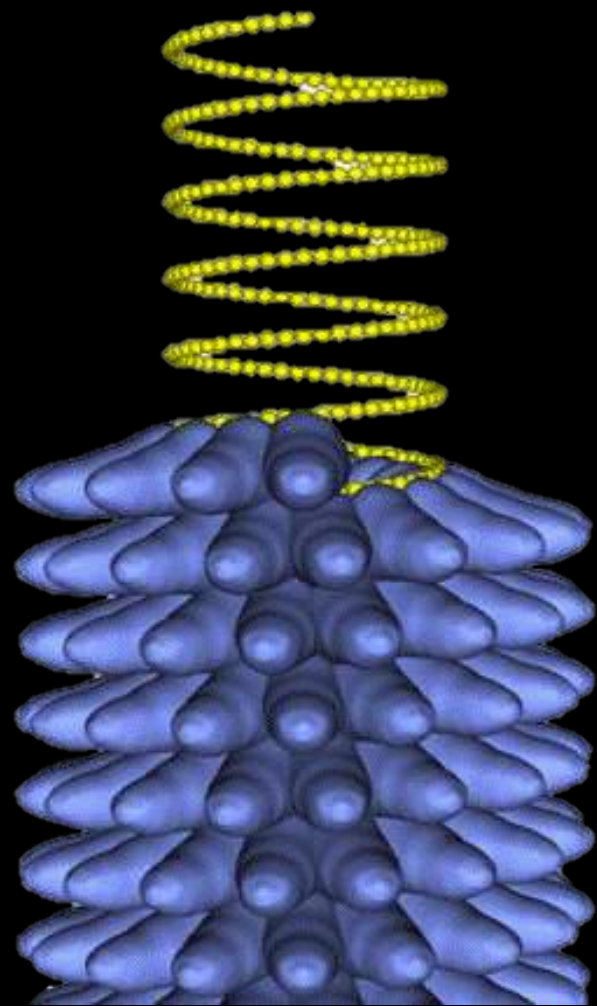
Строени

е

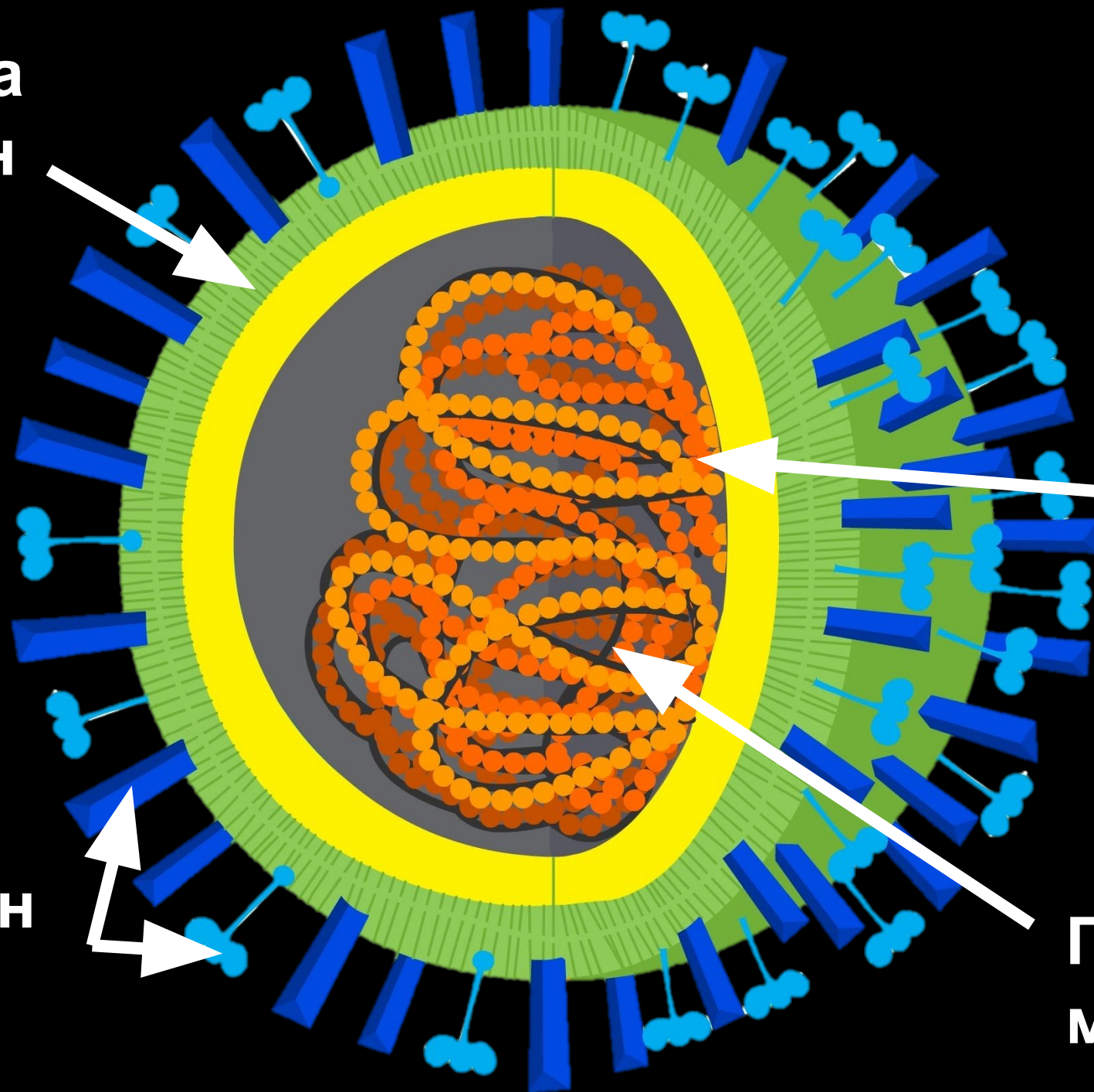
Гено
м

Белковый
капсид





Оболочка
(мембрана)
а)



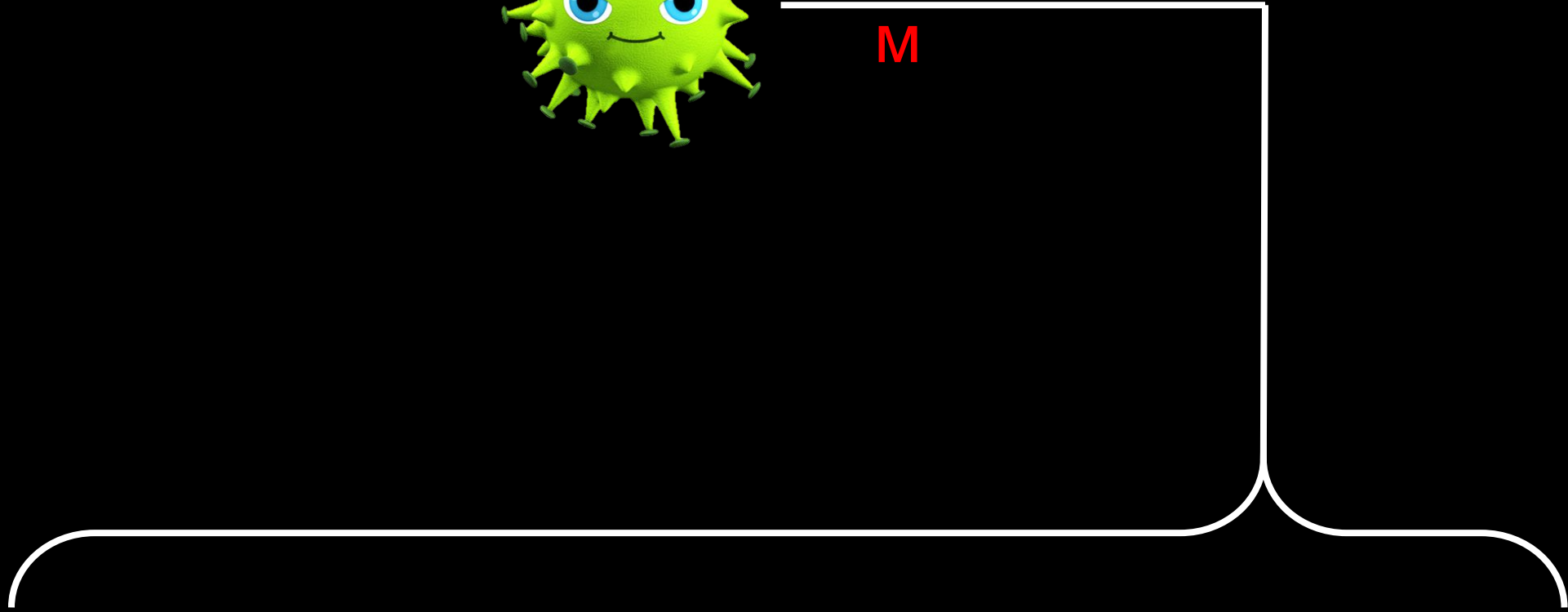
Капси
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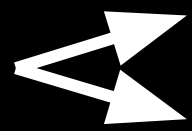
Гено
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Гено
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- ДНК-
вирусы
- РНК-
вирусы



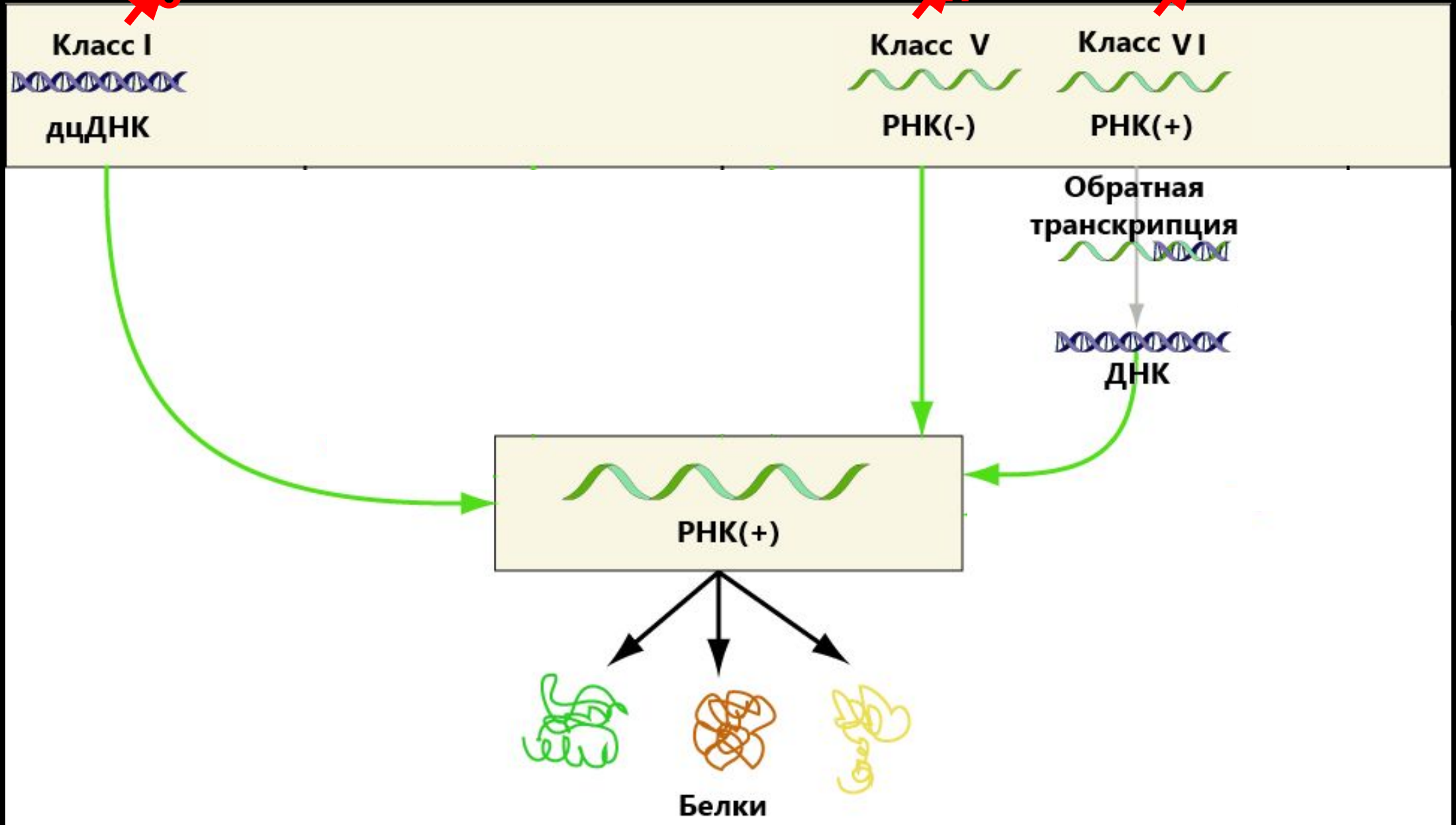
- Собственно РНК-
вирусы
- Ретровирусы

Герпе

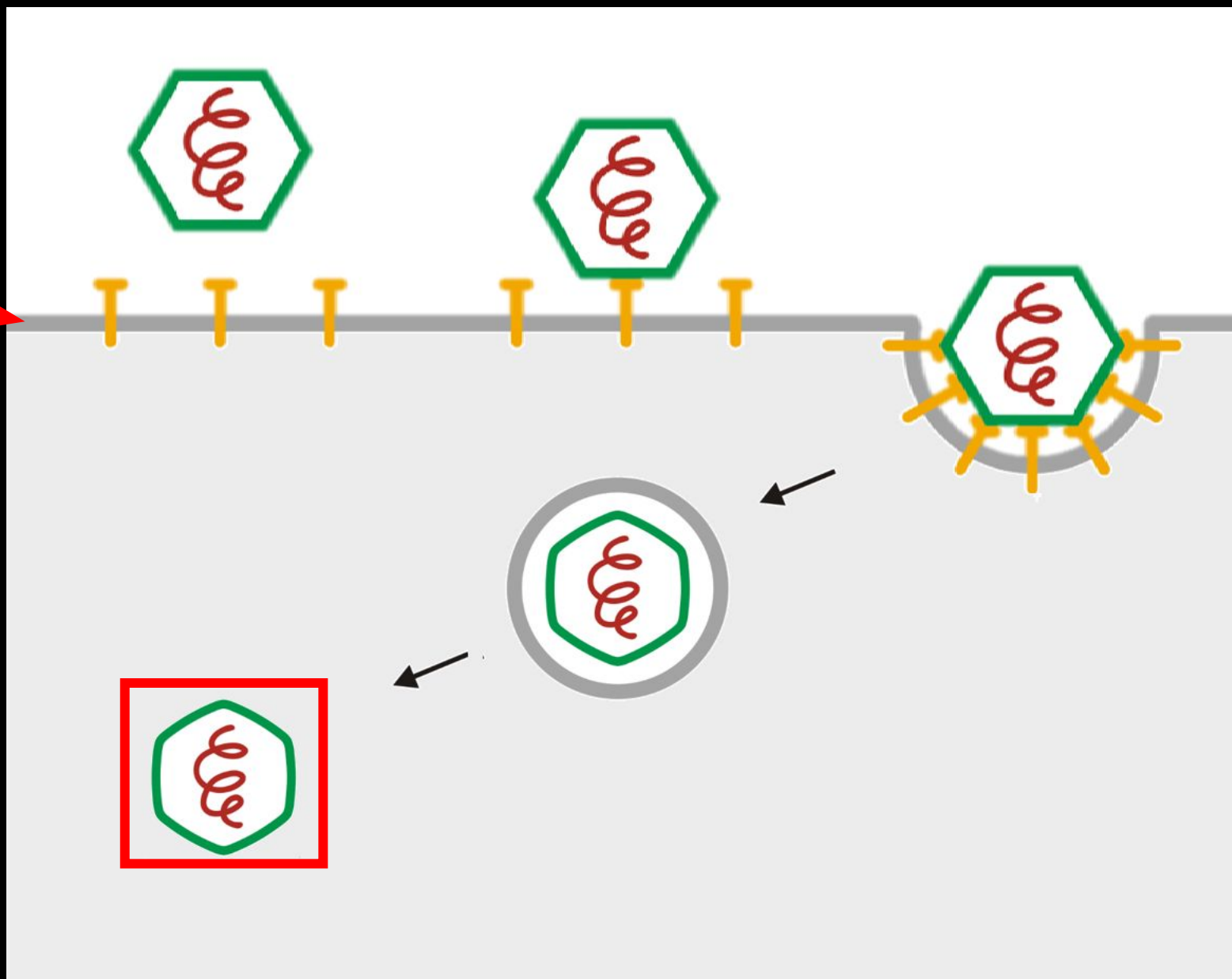
Гено

Грип

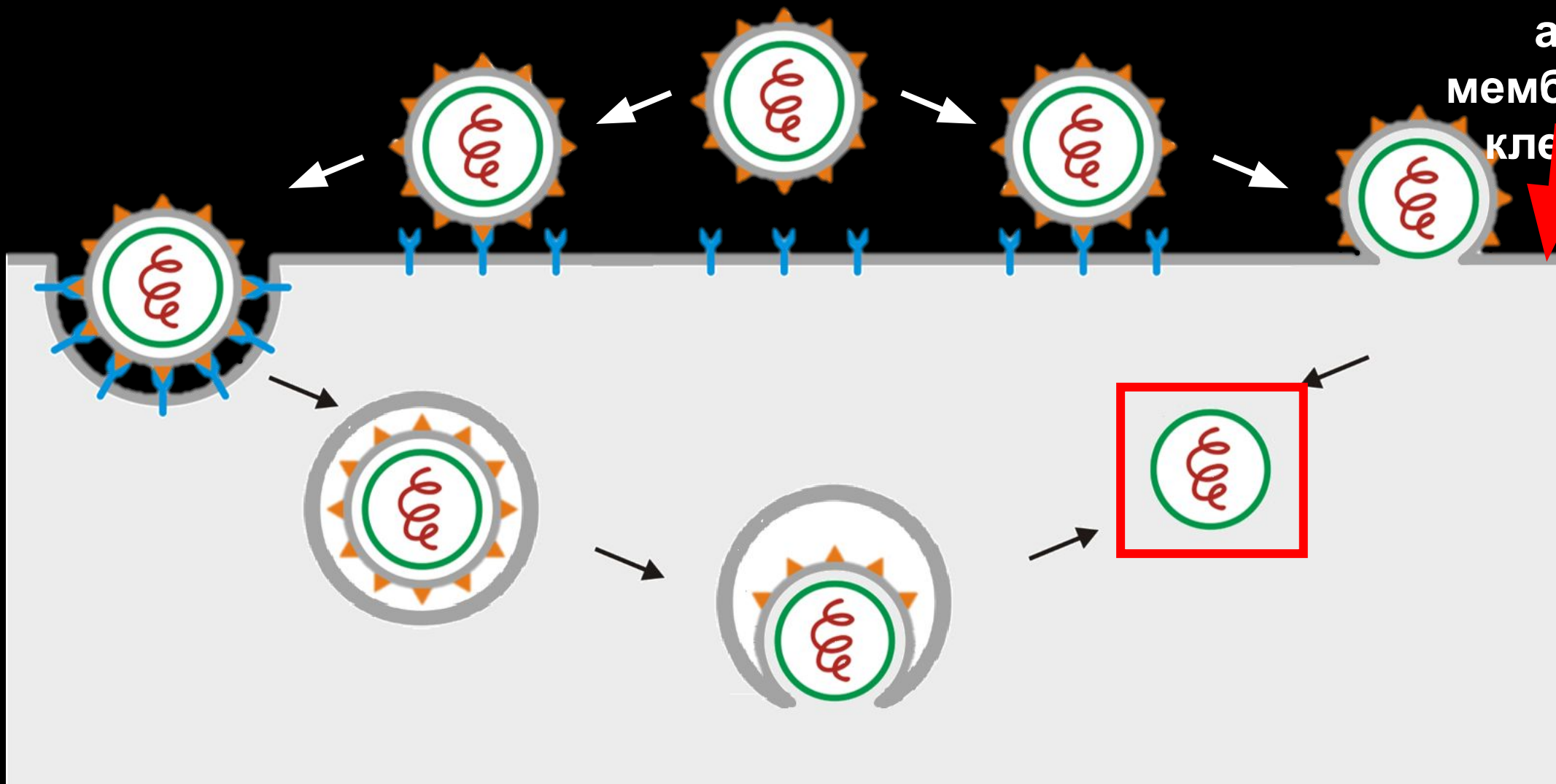
ВИ



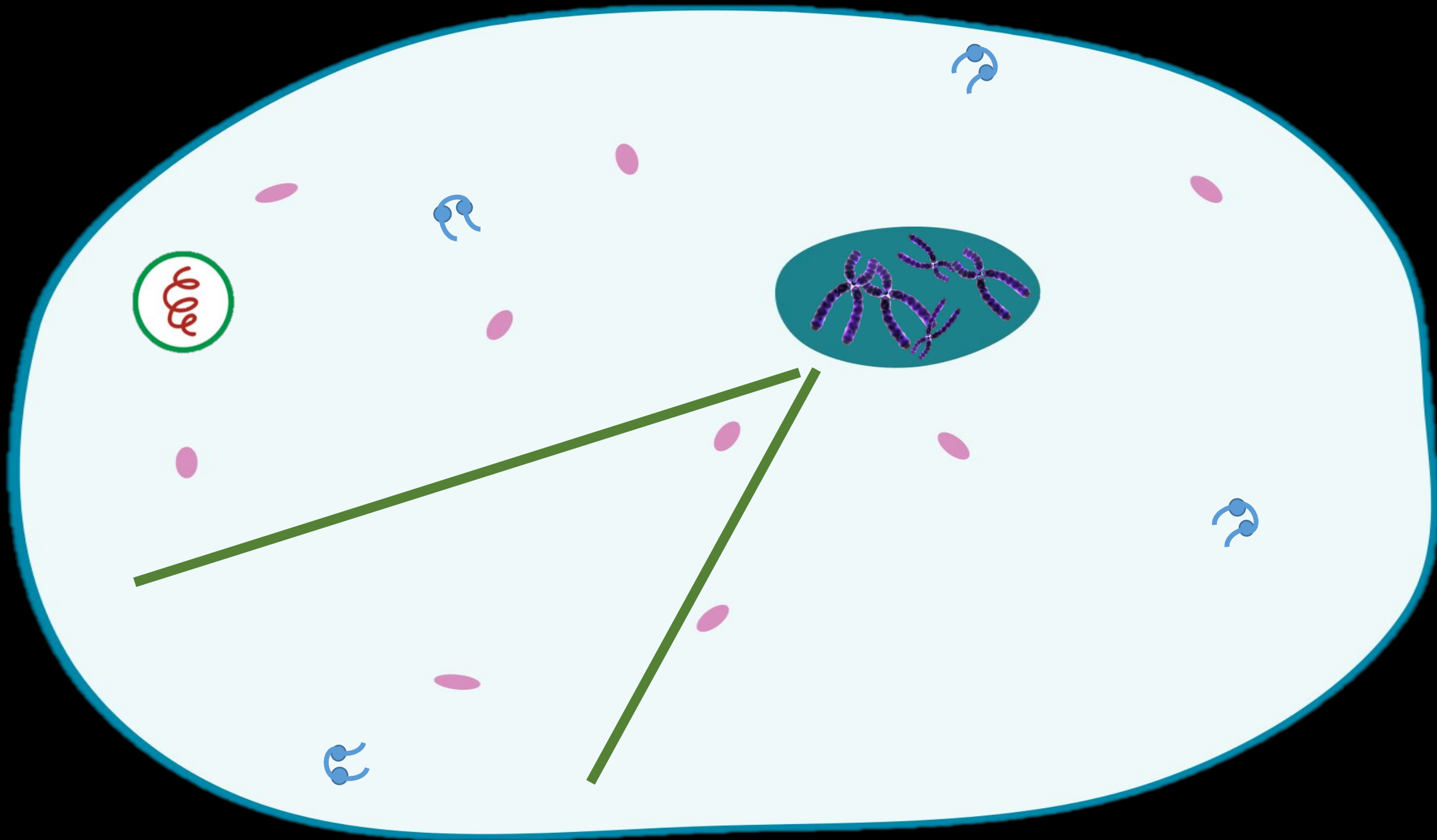
Поверхности
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мембрана
клетки

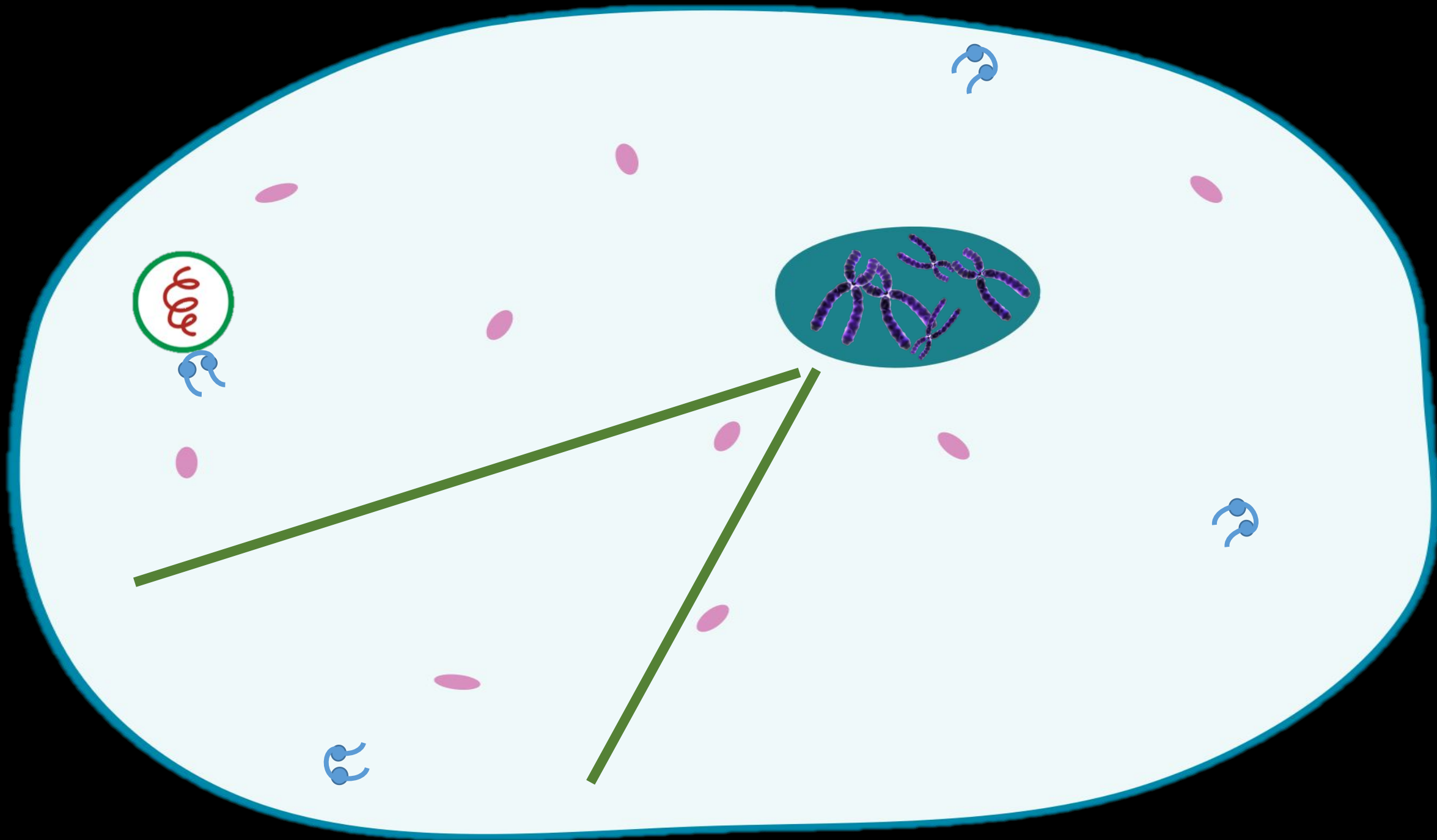


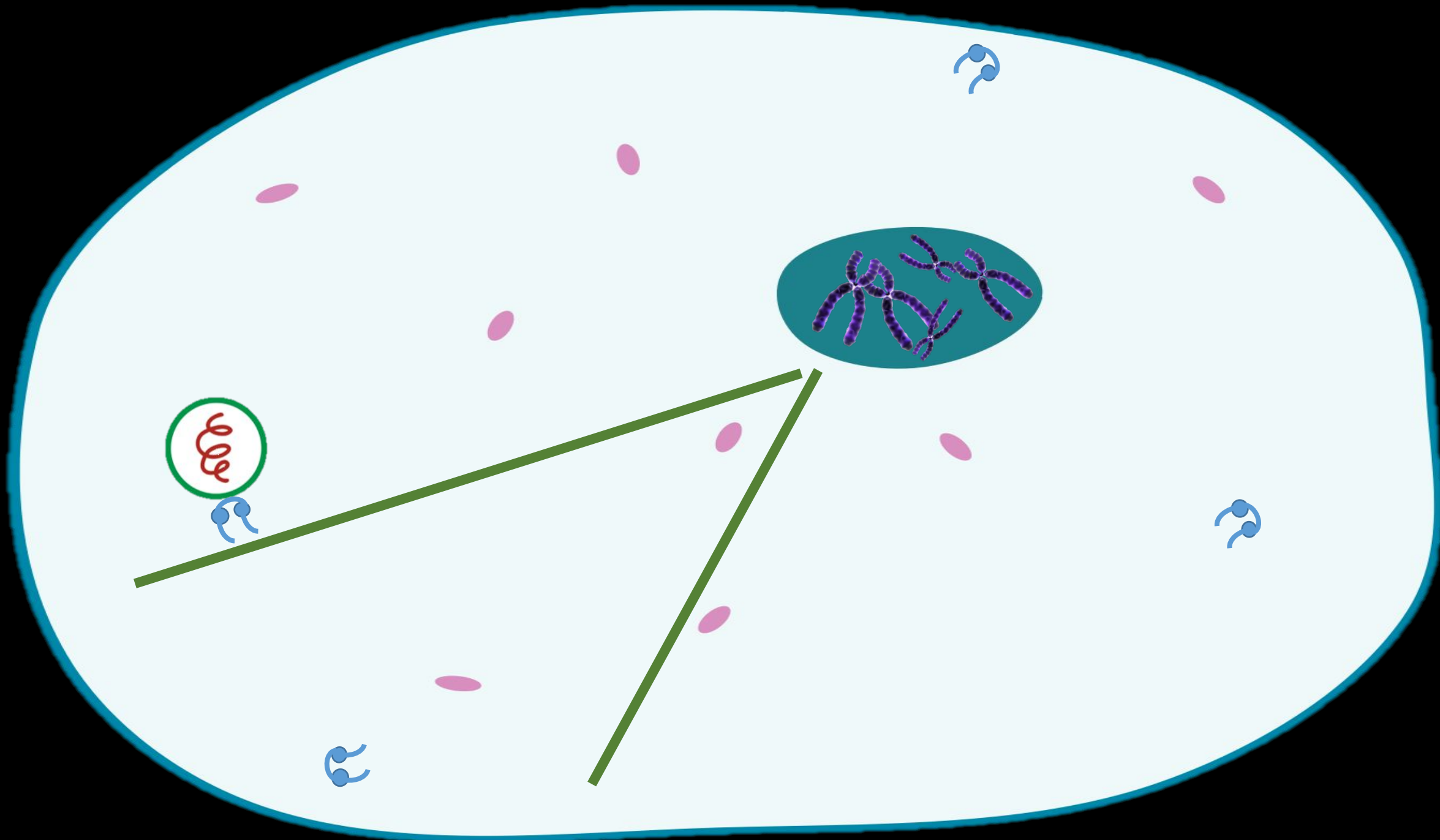
Поверхностная
мембрана
клетки

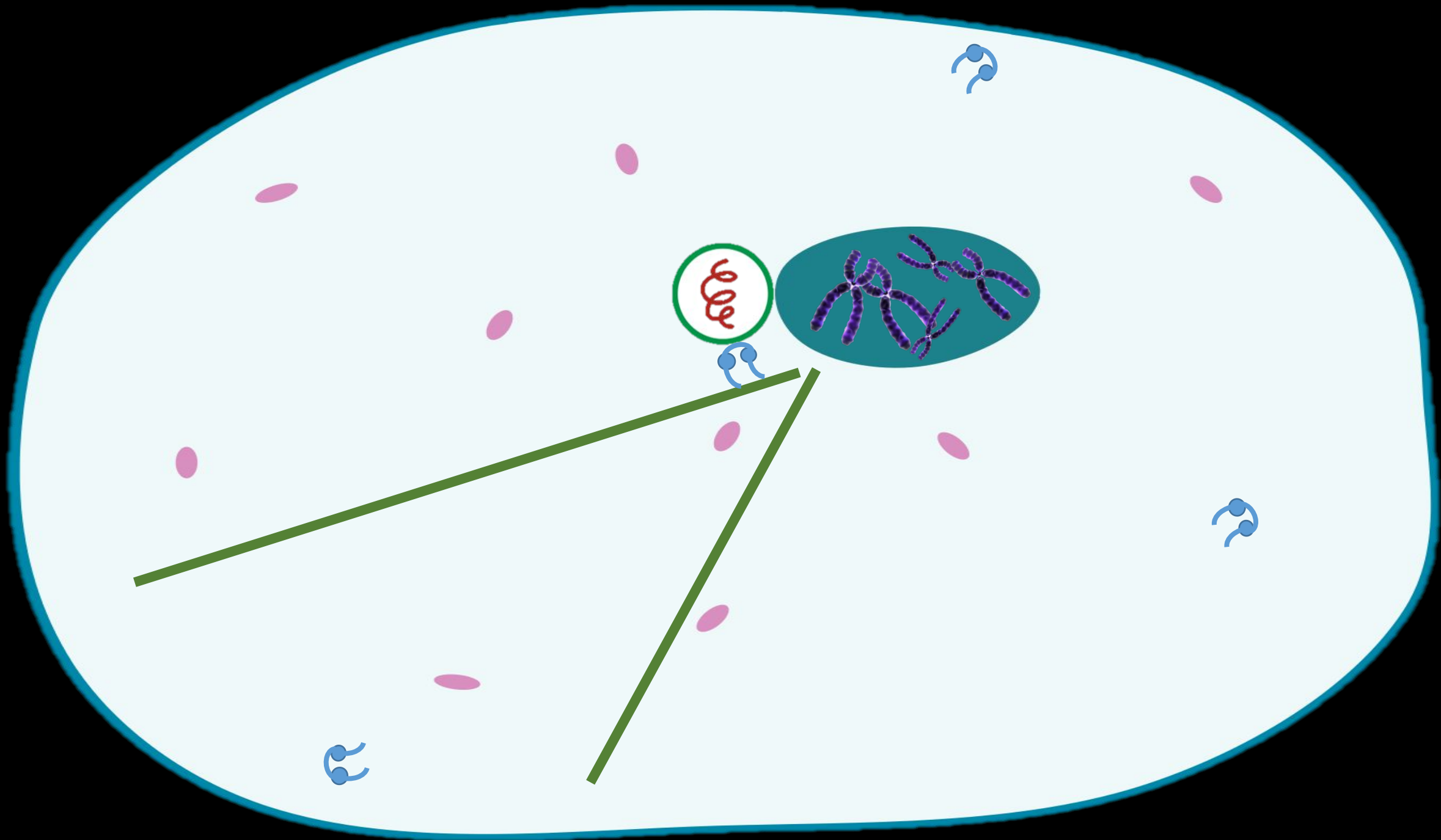








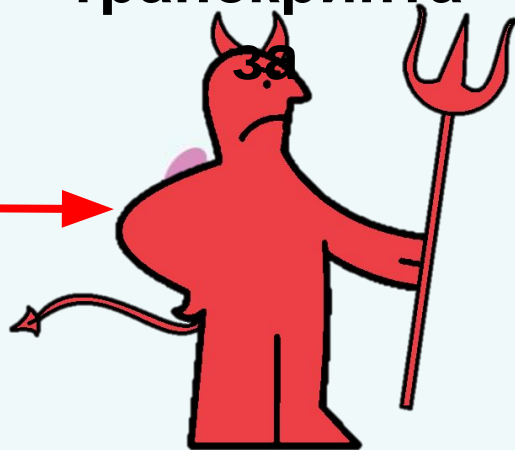




Ретровирус ВИ

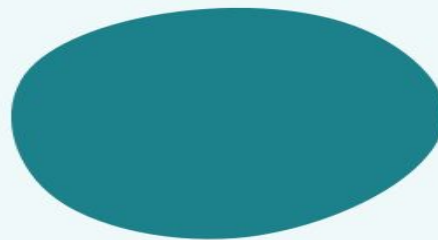


Обратная транскрипта



РН
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ДН
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(это неправда)

REverse

ТRanscription

Обратная транскрипция

Обратная
транскрипта



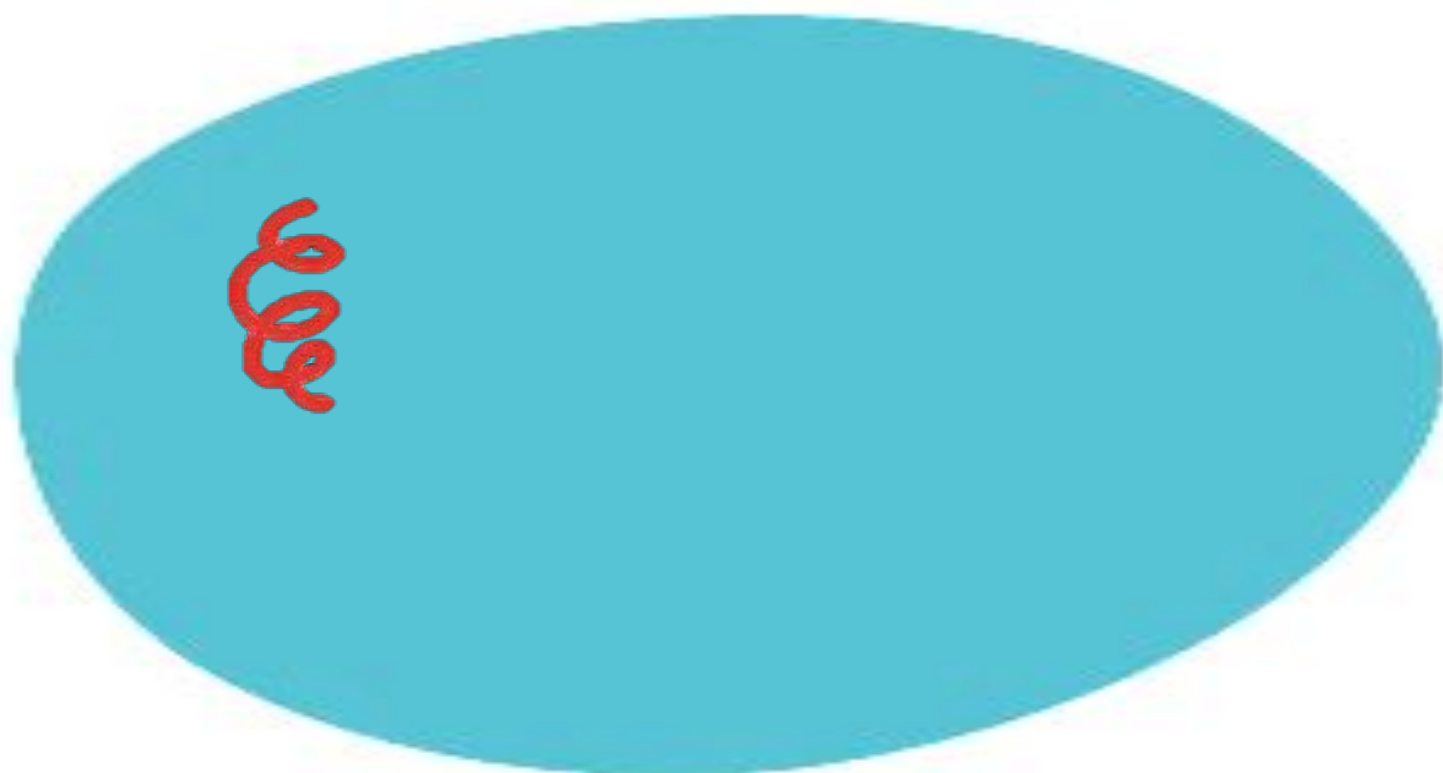
РН
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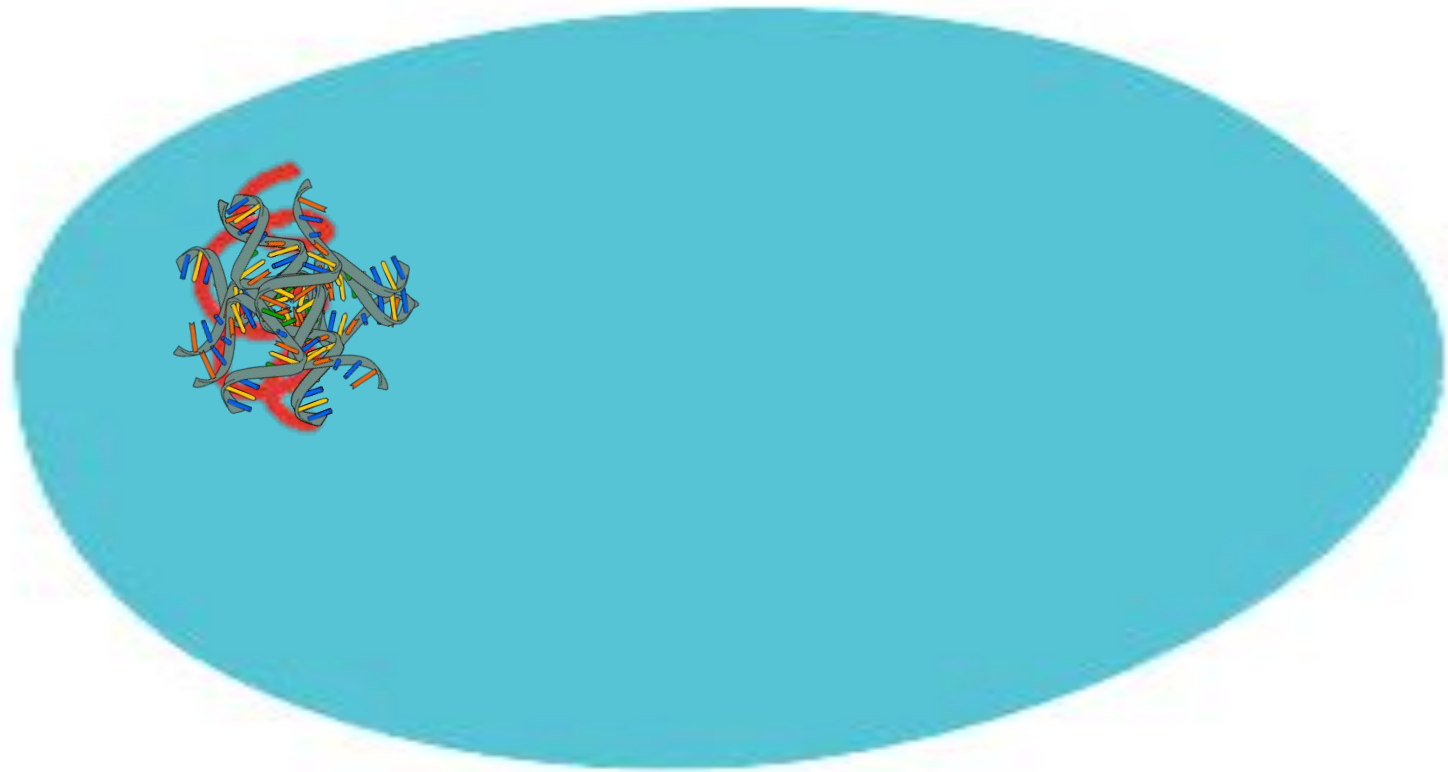
ДН
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ВО ВСЕМ ВИНОВАТЫ ГЕНЫ



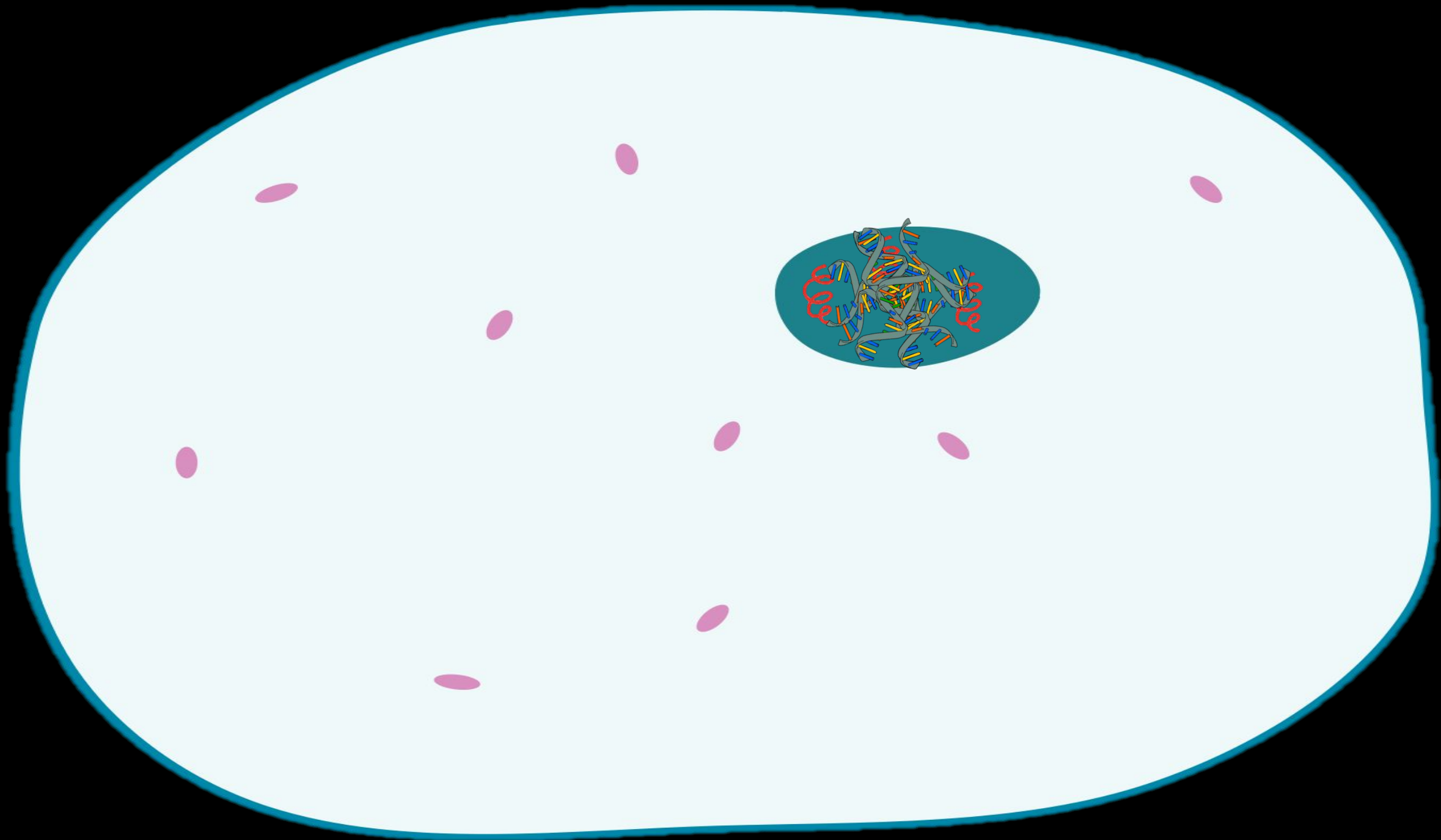


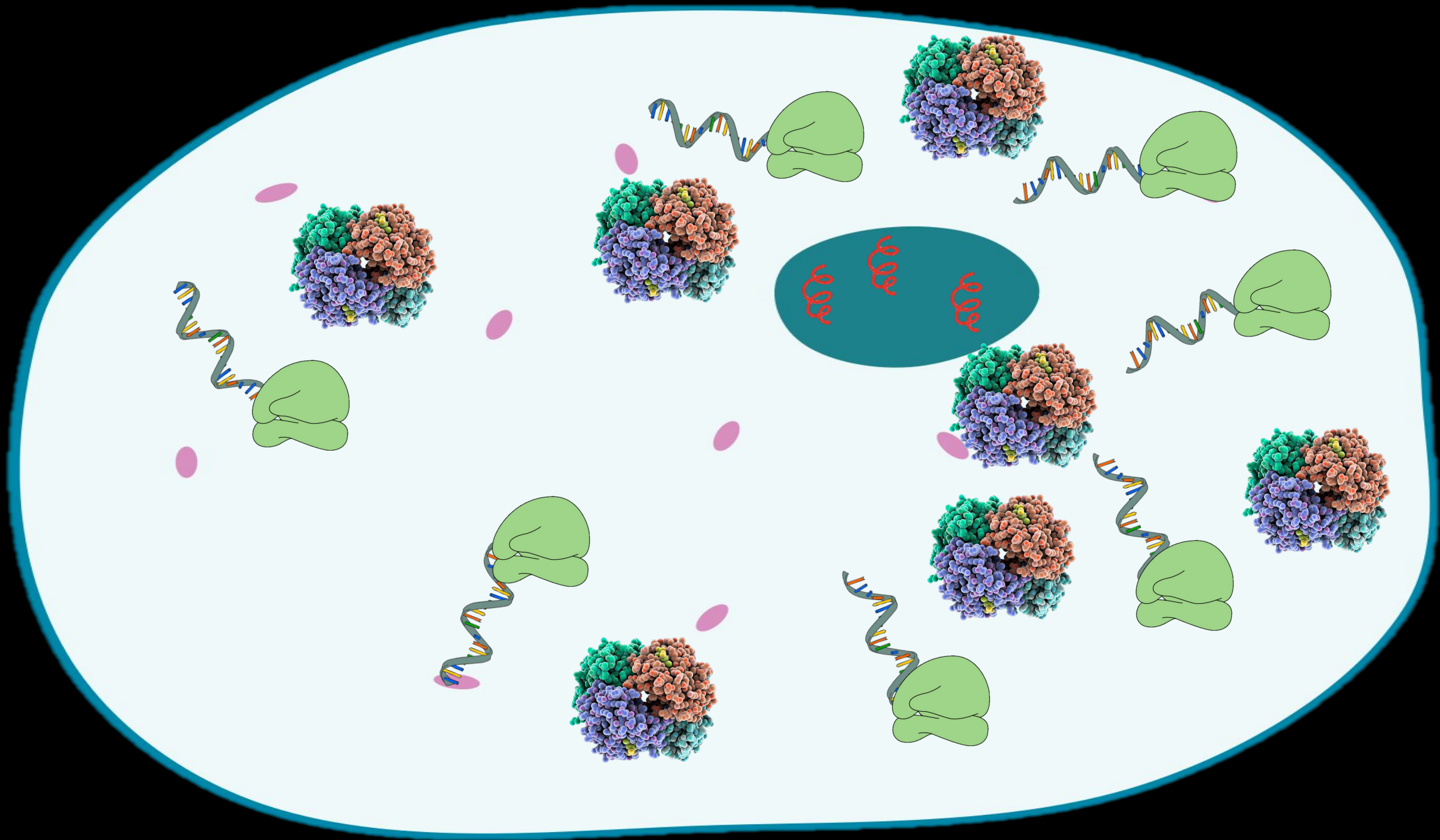
**ДНК-полимераза или РНК-
полимераза**

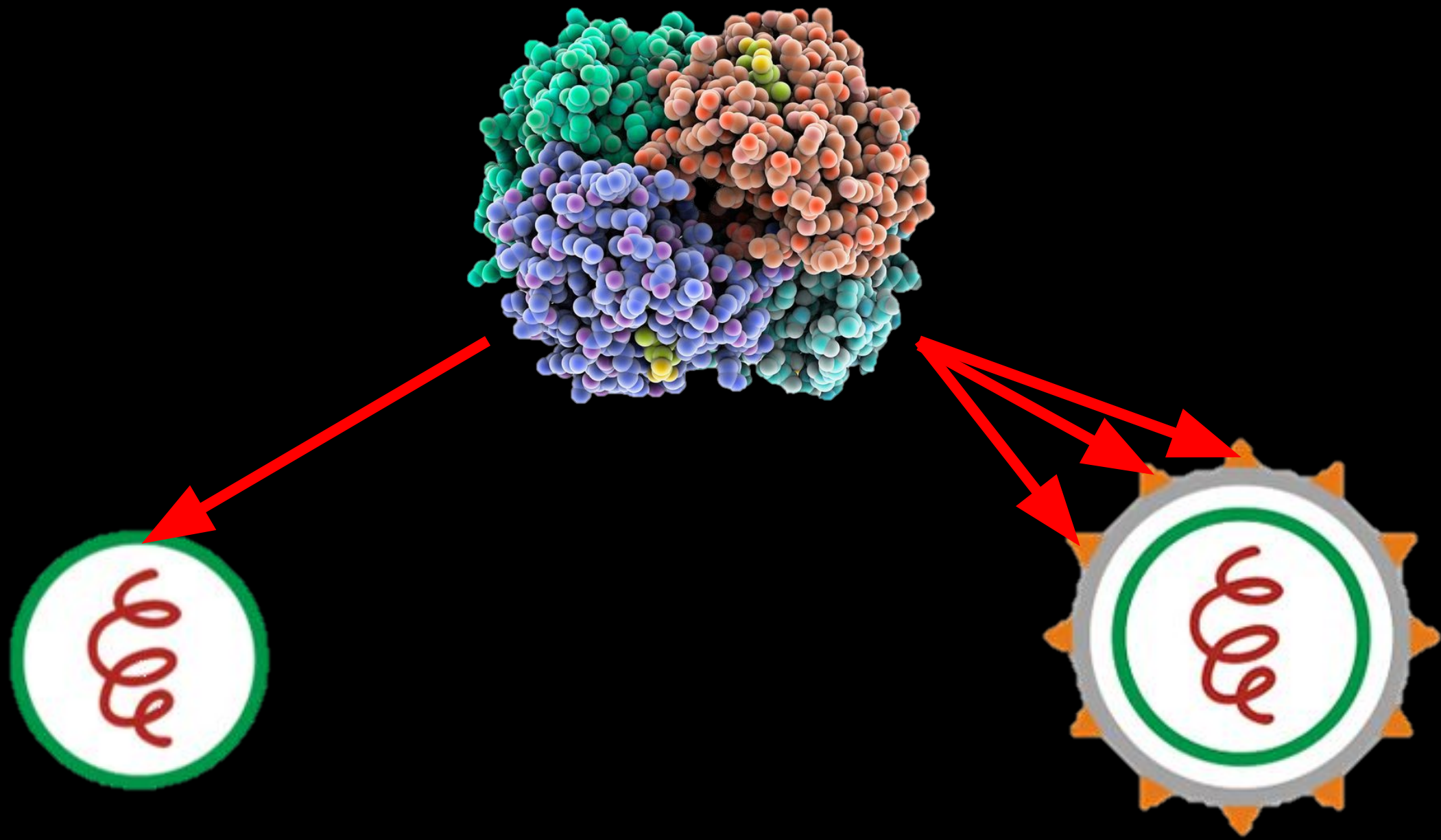


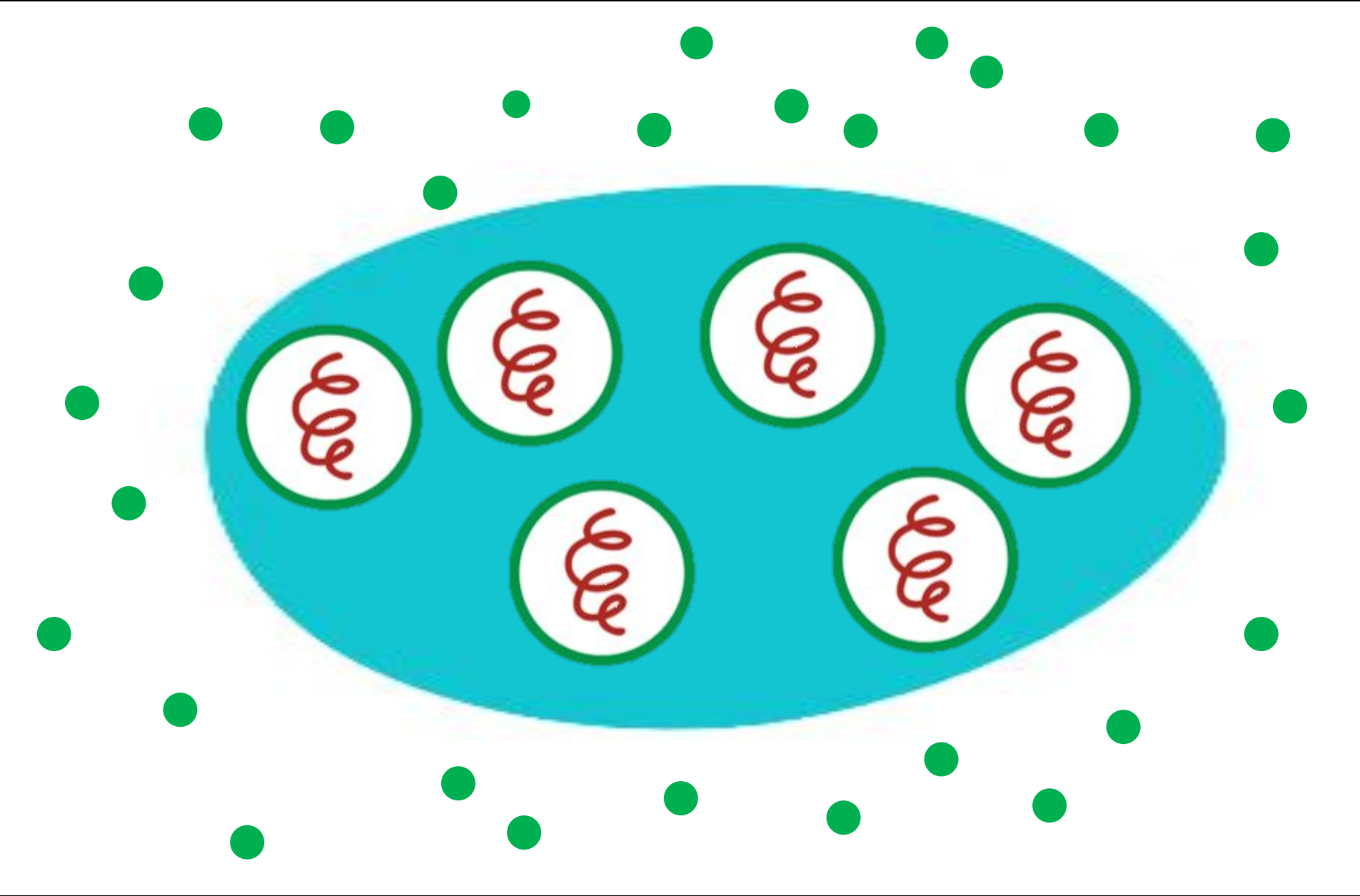
PTK-

EGEYVQ2000



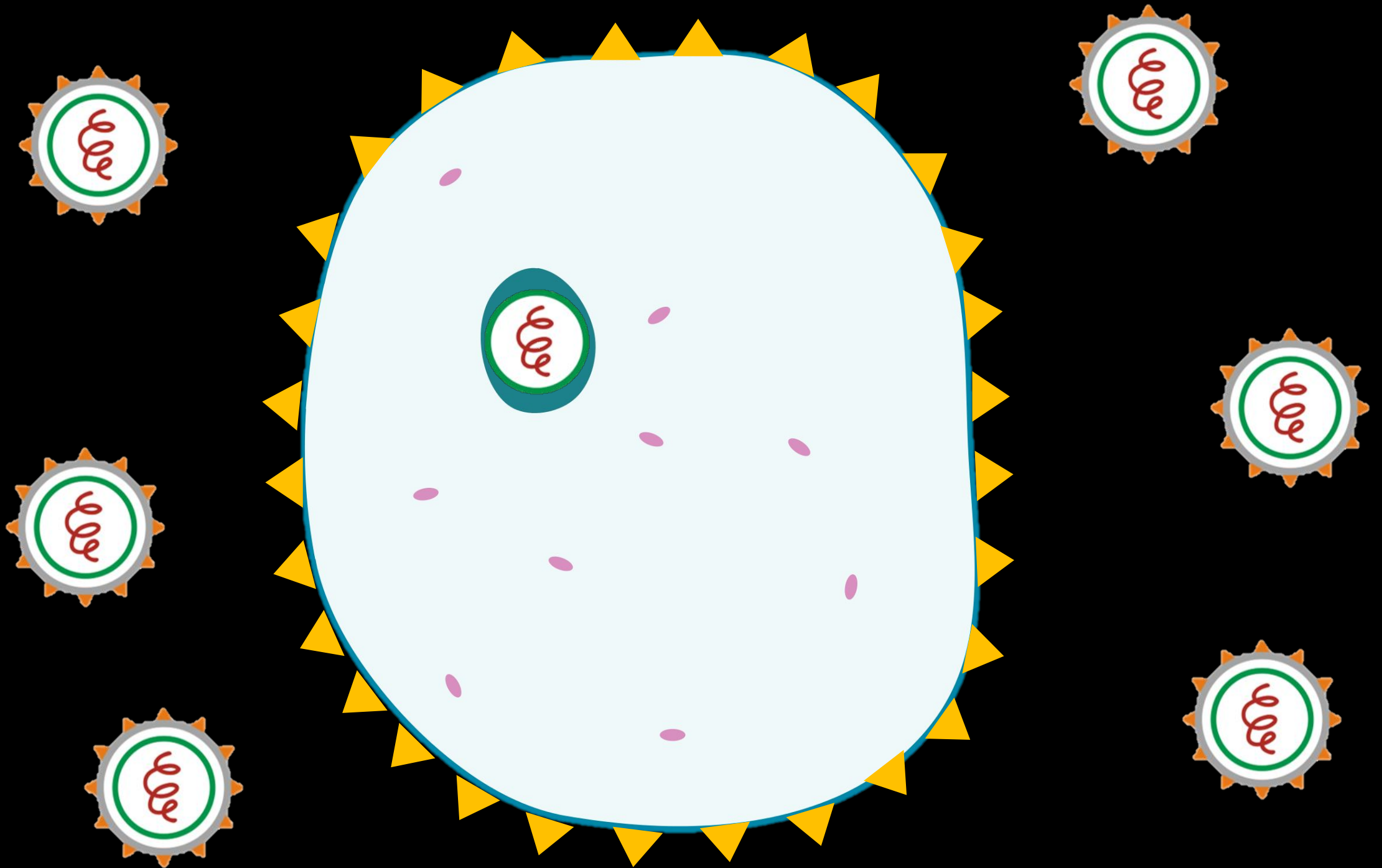


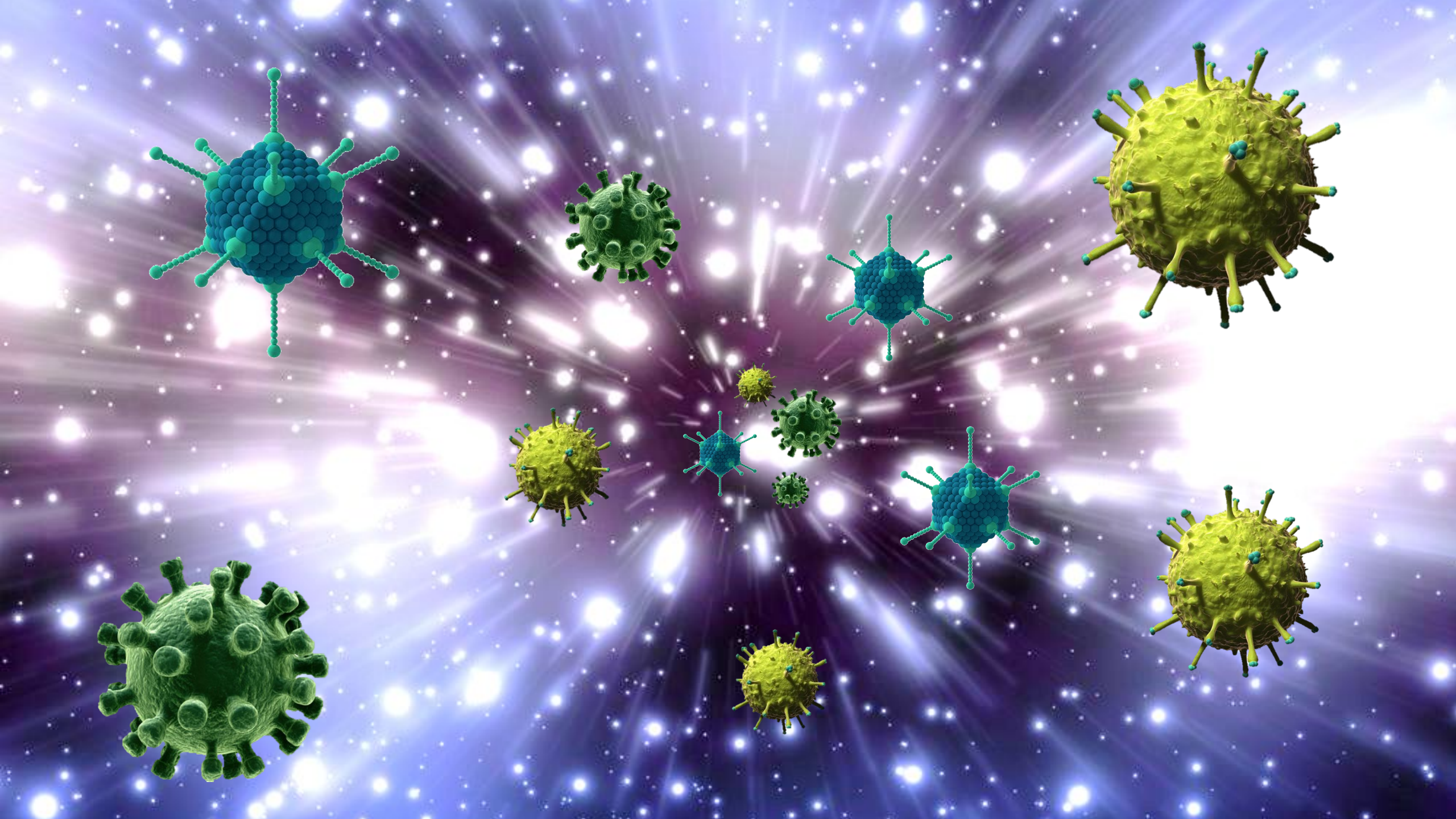




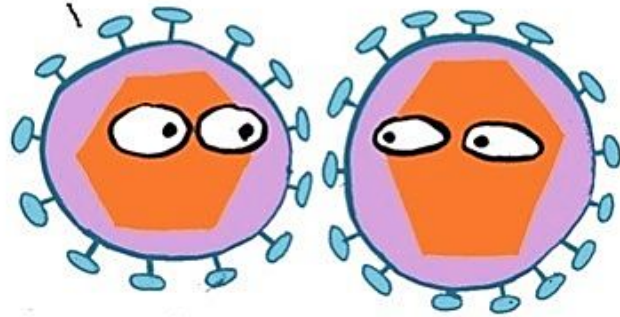




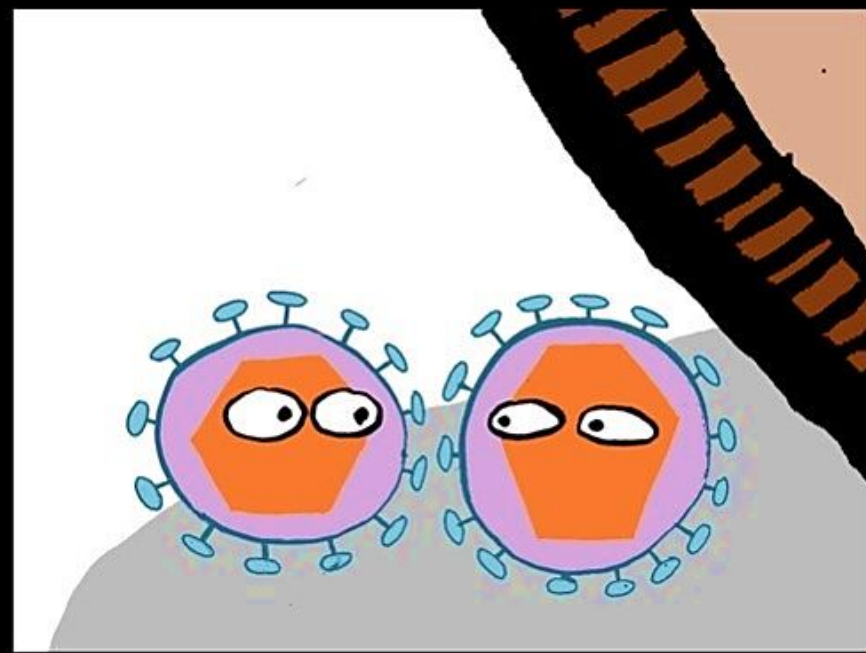




Я прочитал в новостях,
что ученые нашли
во льдах Сибири
гигантский вирус
возрастом 30000 лет!



Да ладно, газеты
всегда склонны
преувеличивать.



Прив.

