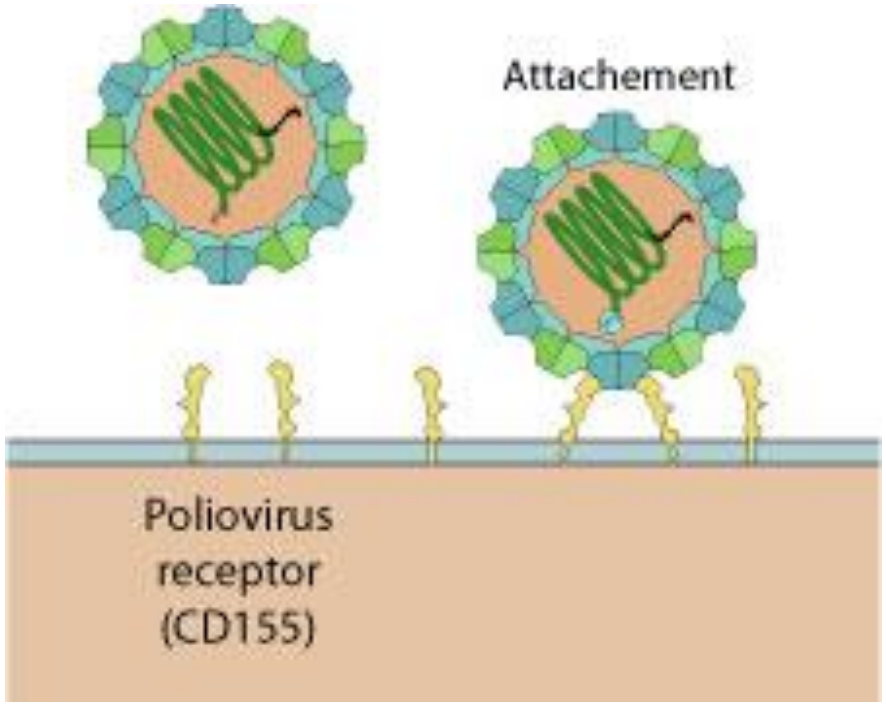
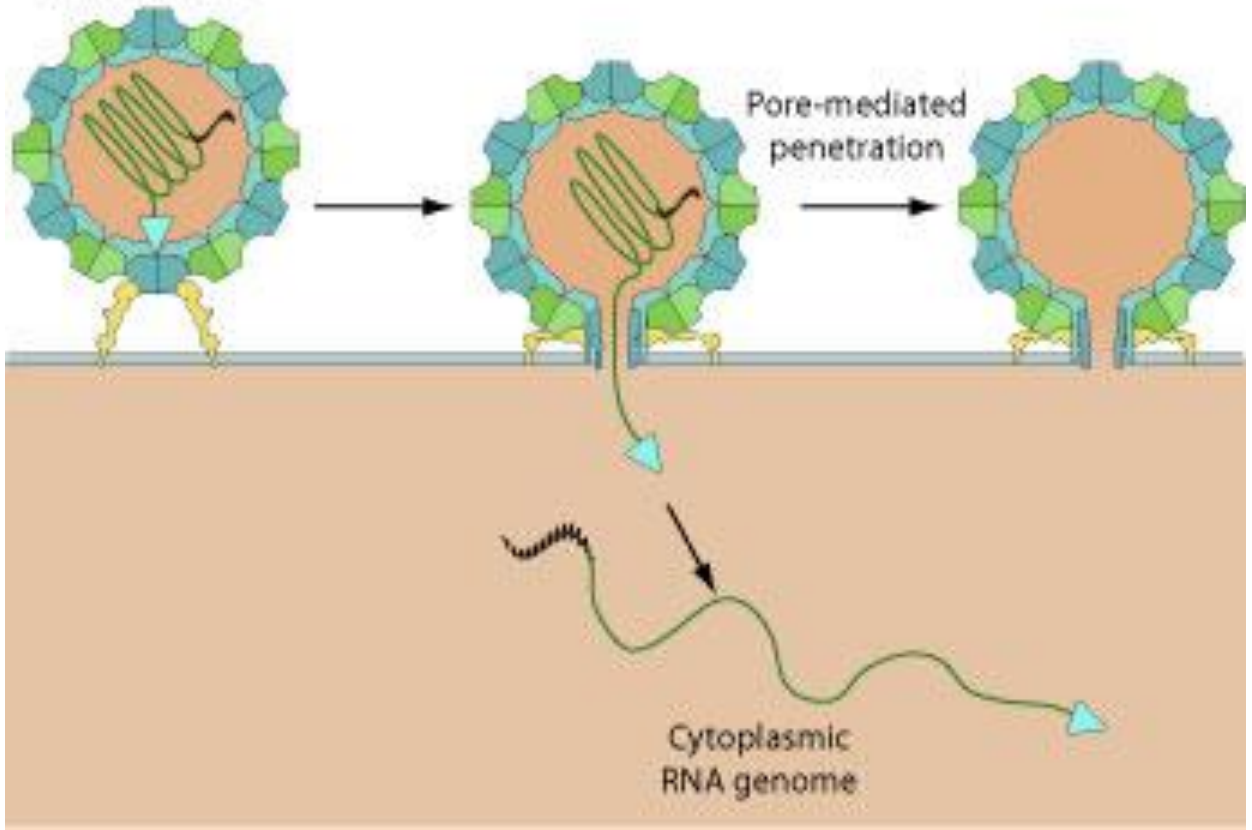
recettore


Attachement
Poliovirus
receptor
(CD155)


Pore-mediated
penetration
Cytoplasmic
RNA genome

Tipologie di virus in base alla struttura

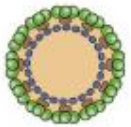
con pericapside = *envelope* a dsDNA

Herpesvirus

Hepadnavirus

nudi a dsDNA

Adenovirus

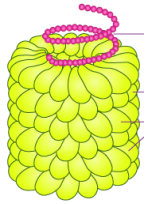


Polyomavirus

nudi a ssDNA

Parvovirus

nudi a ssRNA



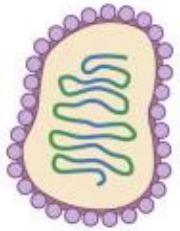
virus del mosaico del tabacco

Picornavirus

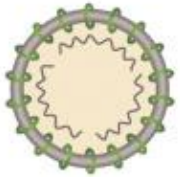
Calicivirus

con pericapside = *envelope* a ssRNA

Coronavirus



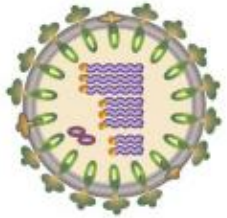
Paramixovirus



Bunyavirus

Retrovirus

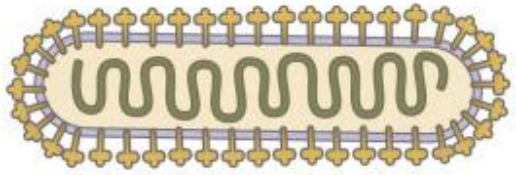
Rhabdovirus



Orthomyxovirus

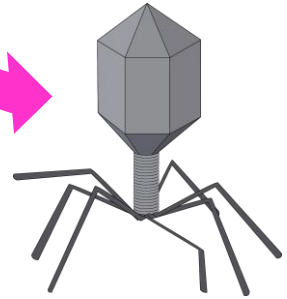
Togavirus

Flavivirus



Filovirus

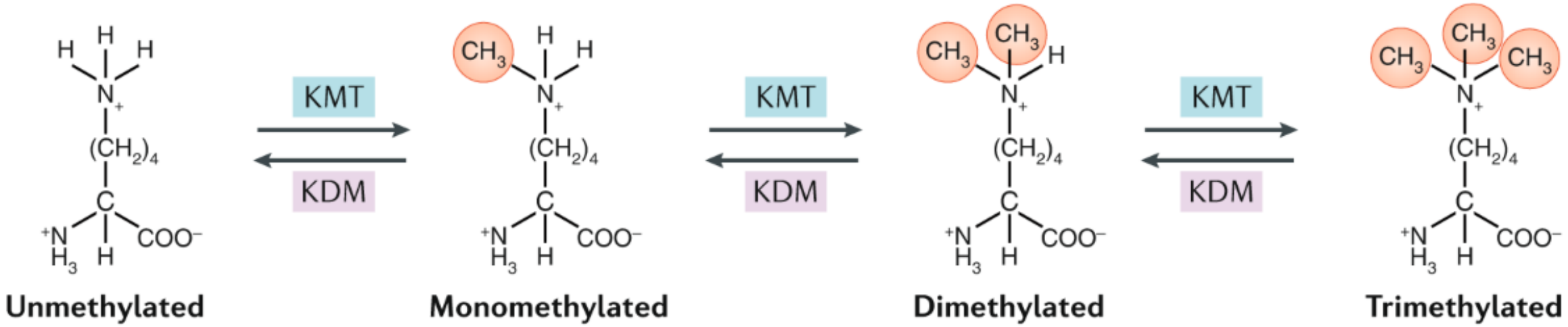
- I batteriofagi = virus (nudi) dei batteri possono avere genoma a DNA, lineare o circolare, o a RNA, entrambi a singolo o a doppio filamento

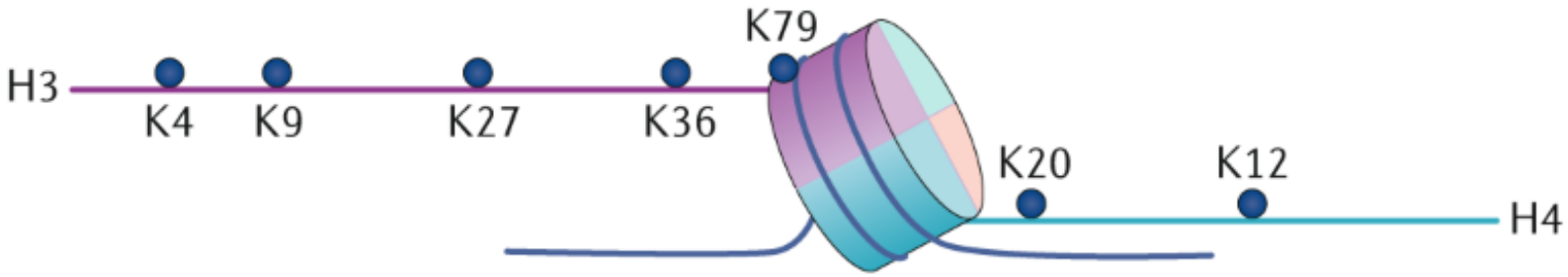


nudi a dsRNA

Reovirus

eterocromatina





epistasi

Si verifica quando un gene, detto **epistatico**, controlla l'espressione di un altro gene, l'ipostatico:

gene epistatico ⊣ gene ipostatico → fenotipo

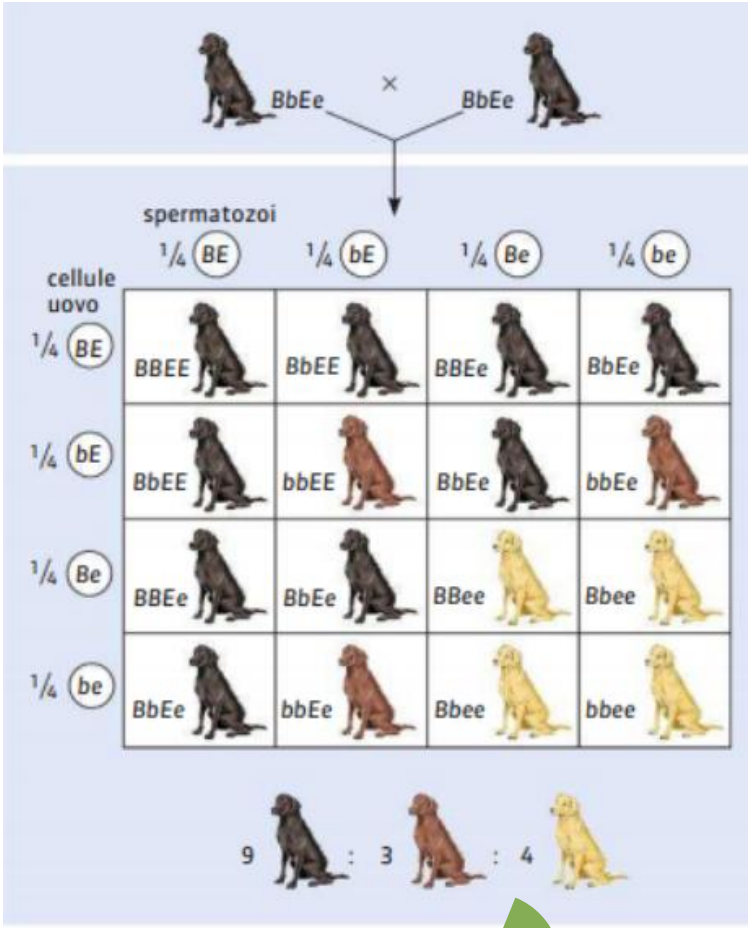
A seconda del tipo di allele del gene epistatico, da cui dipende il fenotipo risultante a prescindere dagli alleli del gene ipostatico, può essere <u>dominante</u> o <u>recessiva</u>.

I genotipi *rr* e *pp* danno una cresta semplice.

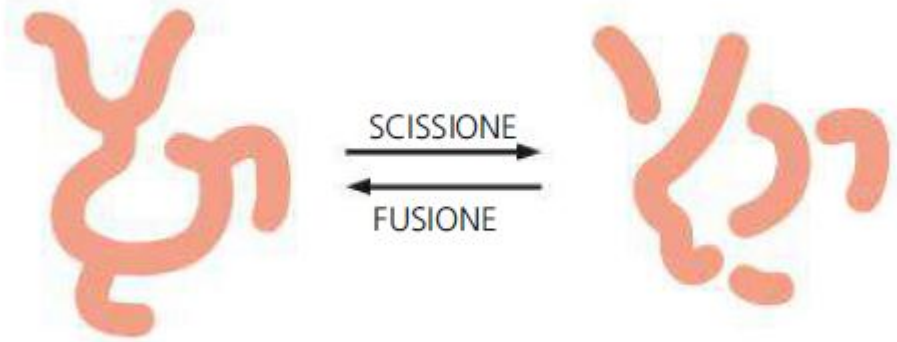
I genotipi *RR* e *Rr* danno origine alla cresta a forma di rosa.

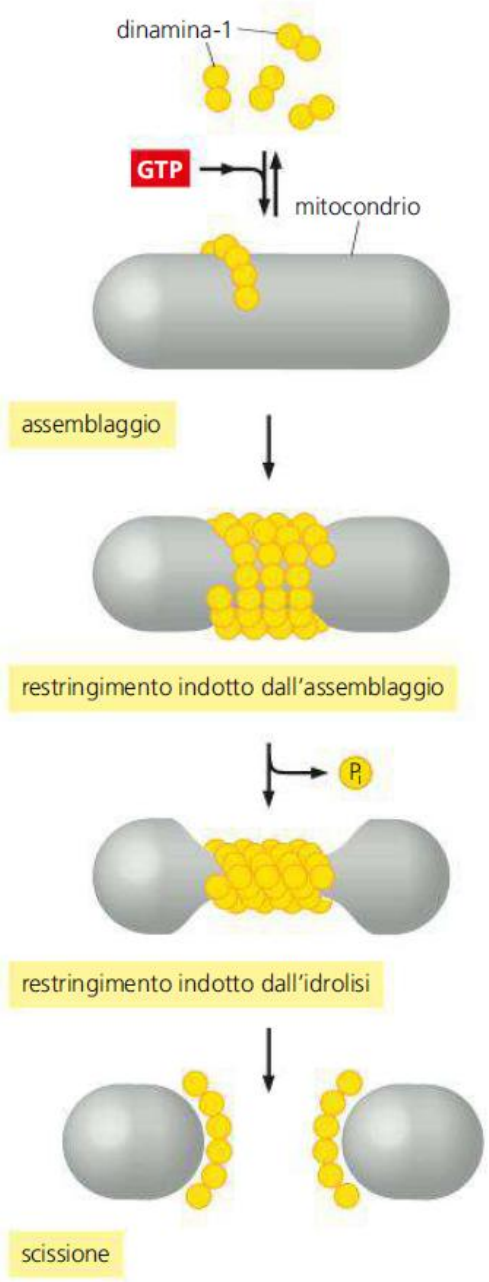
I genotipi *PP* e *Pp* corrispondono alla cresta a forma di baccello.

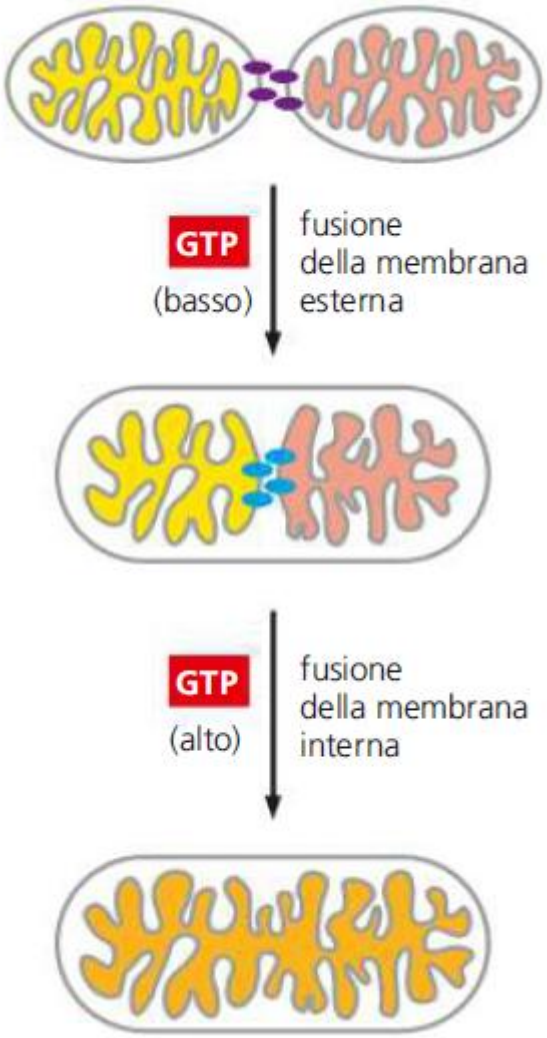
Quando *R* e *P* sono contemporaneamente presenti nello stesso individuo, compare un nuovo fenotipo, la cresta a forma di noce.



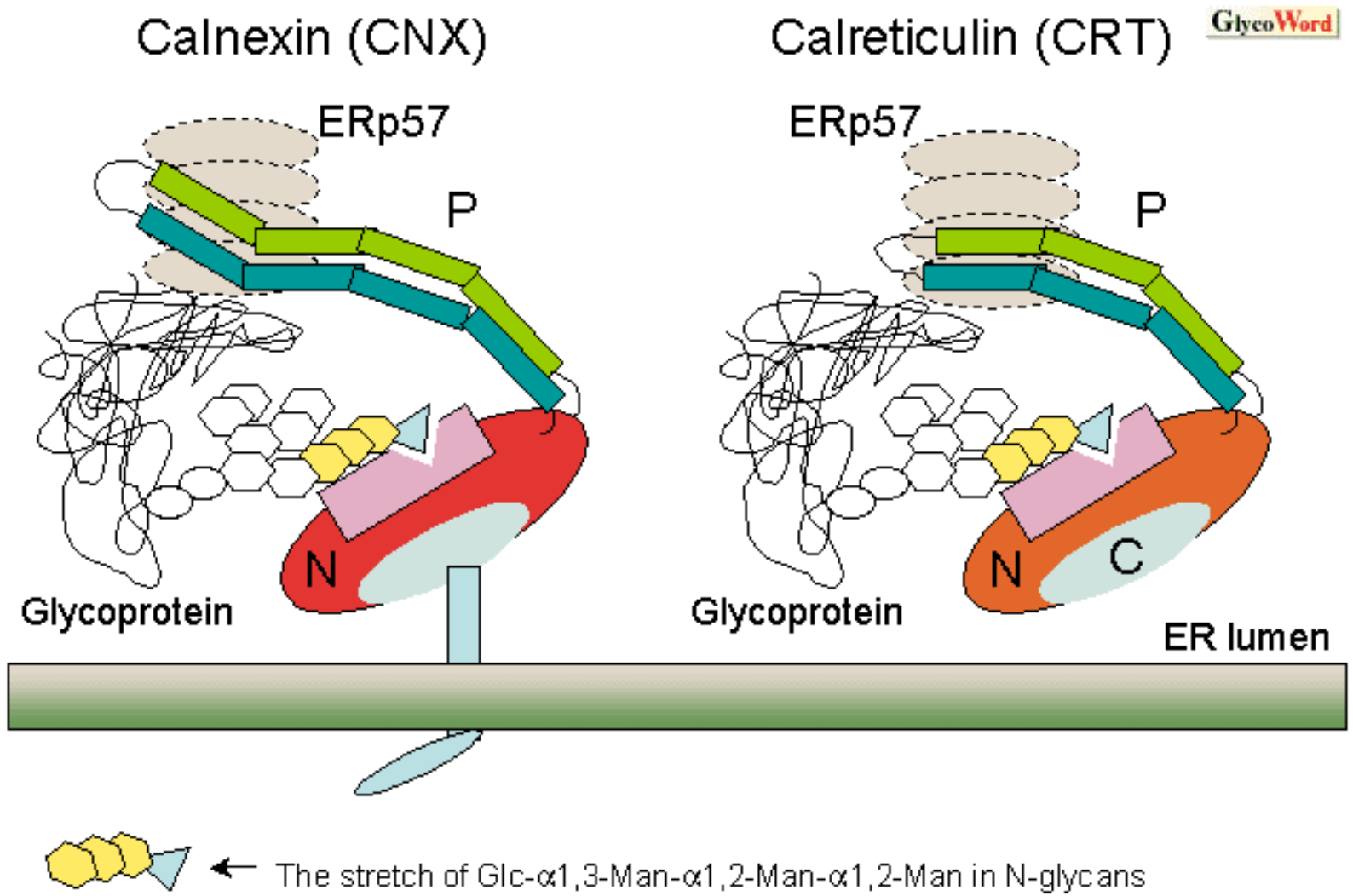
fusione


SCISSIONE
FUSIONE

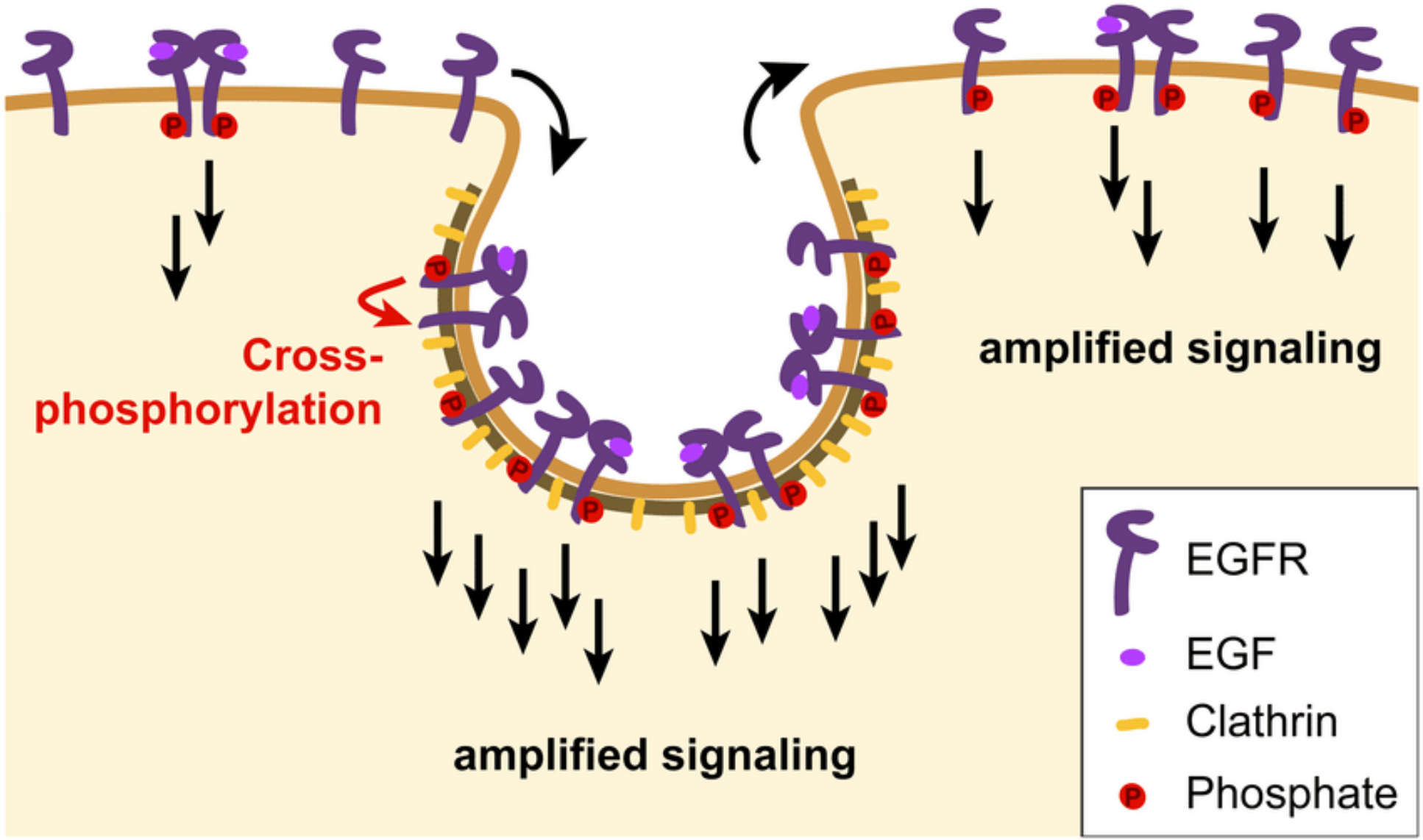

dinamina-1
GTP
mitocondrio
assemblaggio
restringimento indotto dall'assemblaggio
P_i
restringimento indotto dall'idrolisi
scissione


GTP
(basso)
fusione della membrana esterna
GTP
(alto)
fusione della membrana interna

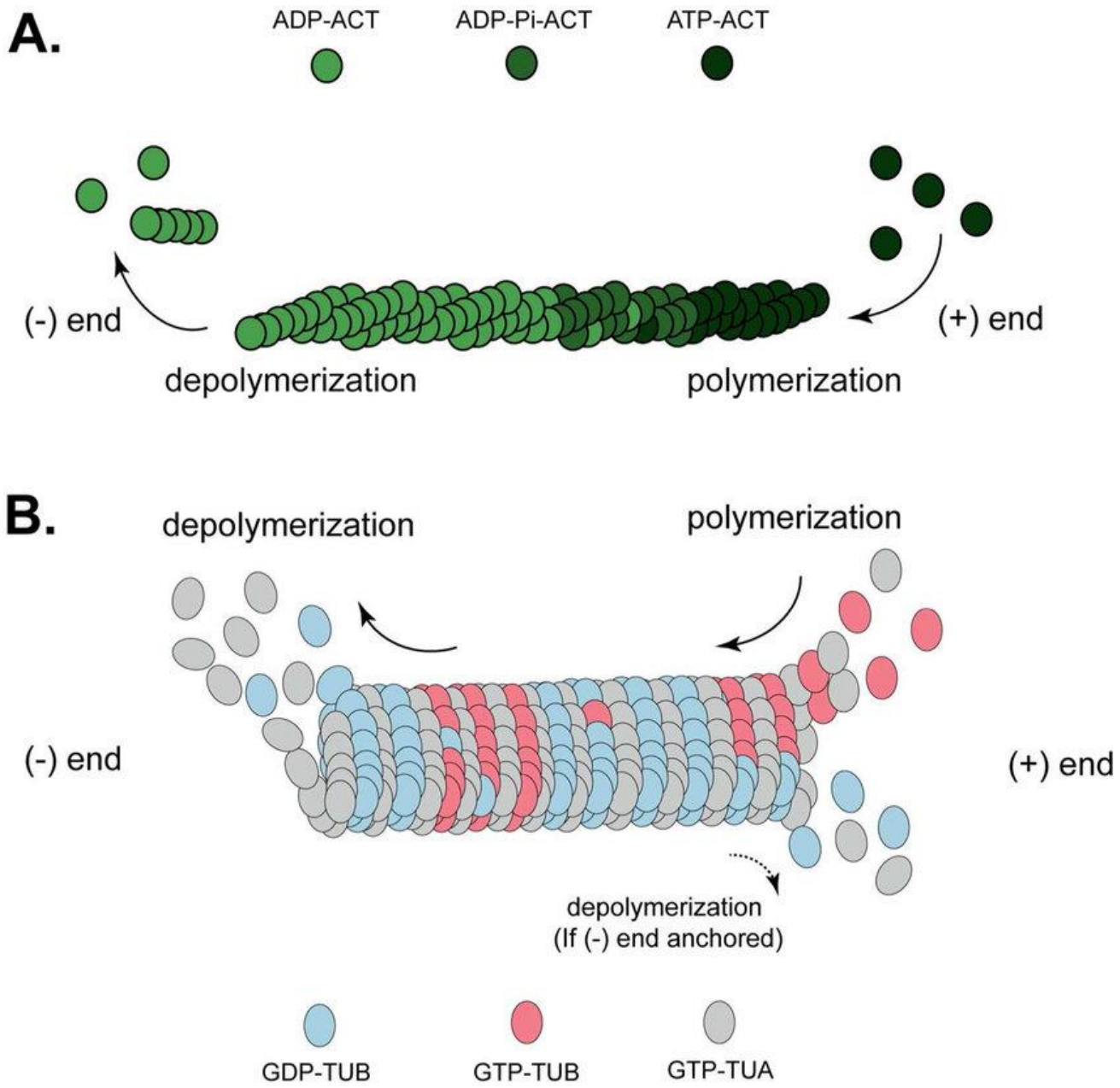
calreticulina



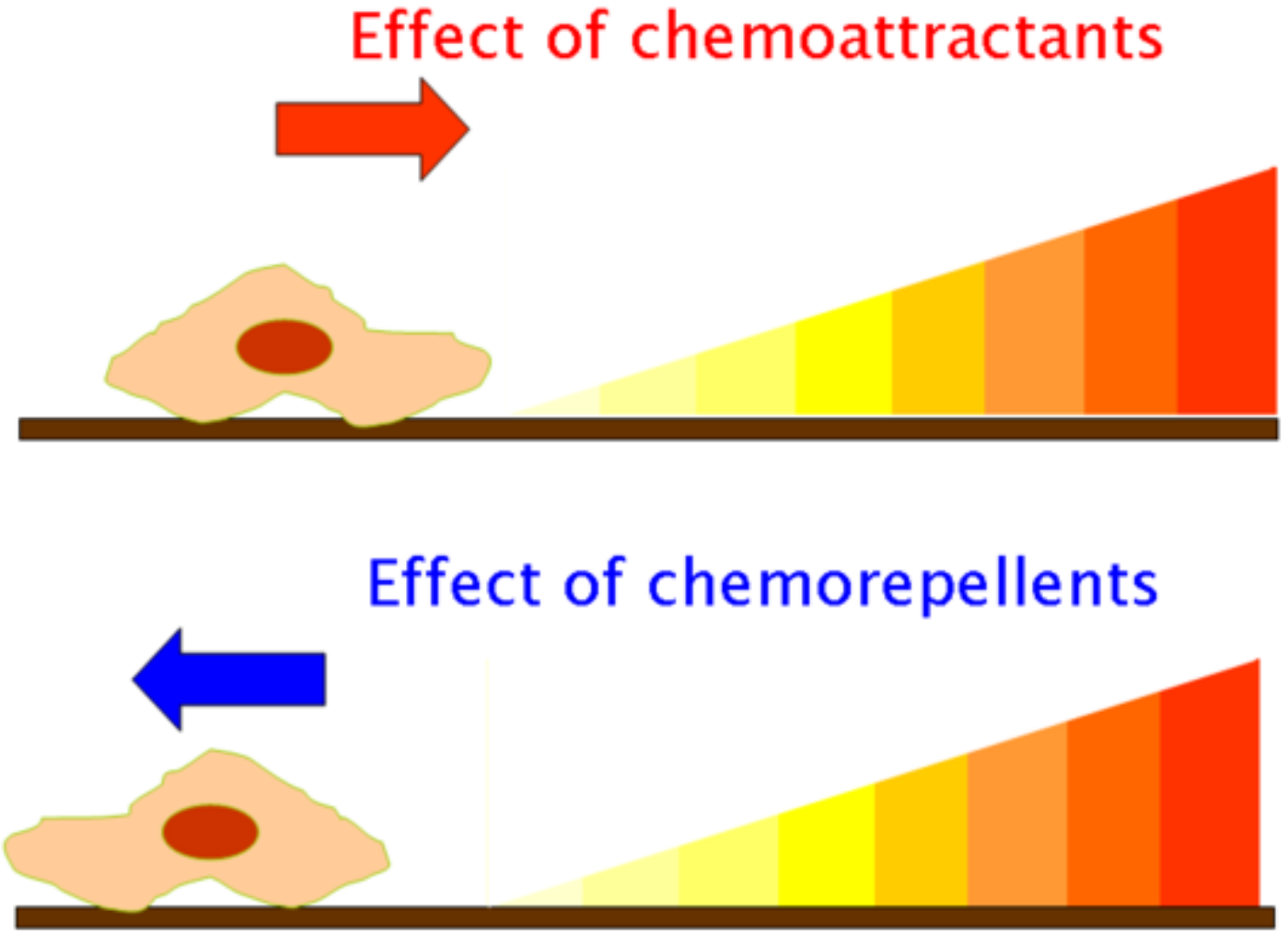
EGF


Cross-
phosphorylation
amplified signaling
amplified signaling
EGFR
EGF
Clathrin
Phosphate

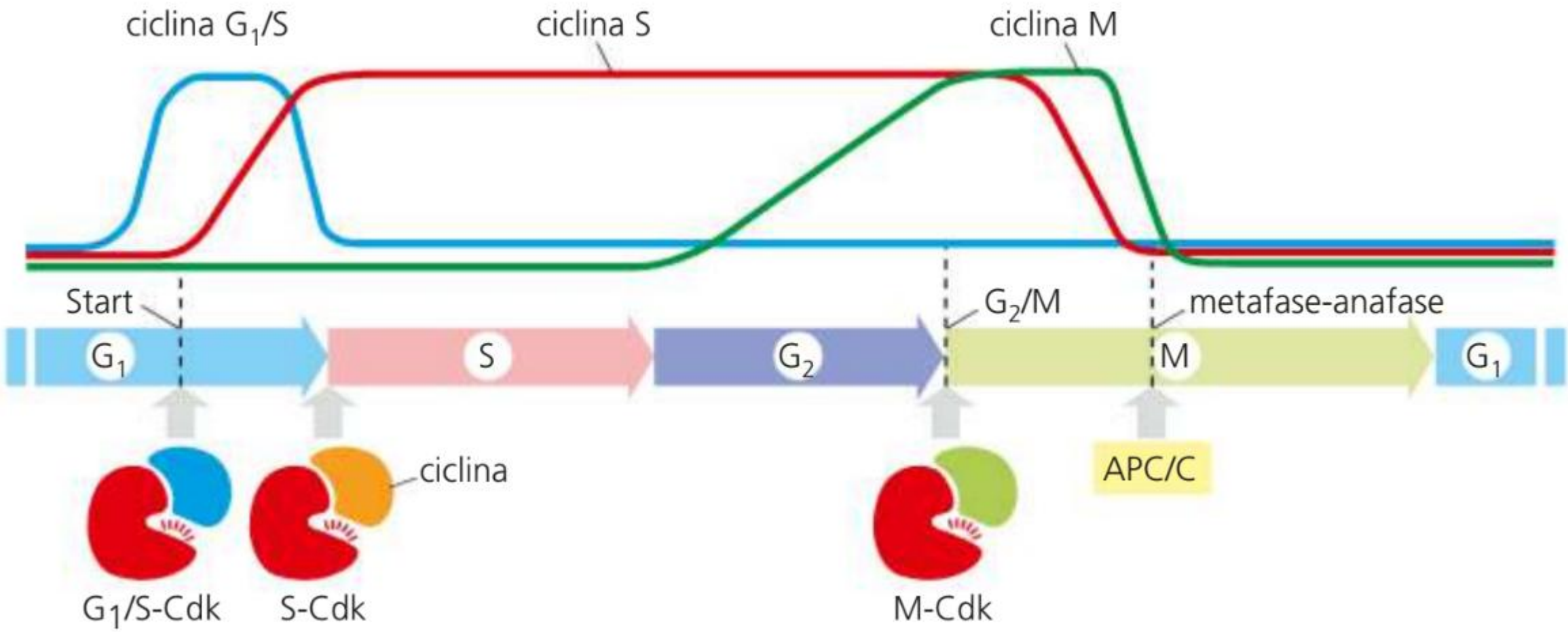
tubulina


A.
ADP-ACT
ADP-Pi-ACT
ATP-ACT
(-) end
(+) end
depolymerization
polymerization
B.
depolymerization
polymerization
(-) end
(+) end
depolymerization
(If (-) end anchored)
GDP-TUB
GTP-TUB
GTP-TUA

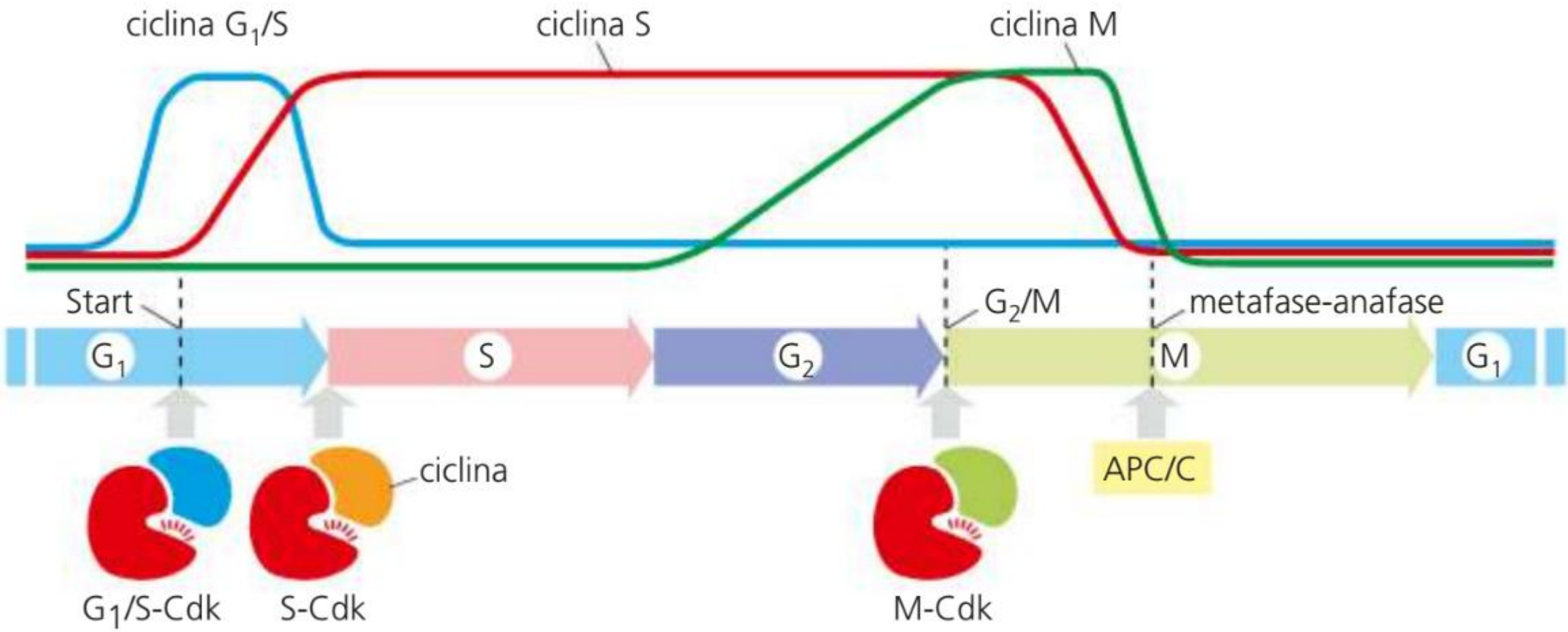
chemiotassi



ciclina


ciclina G_1/S
ciclina S
ciclina M
Start
G_2/M
metafase-anafase
G_1
S
G_2
M
G_1
ciclina
APC/C
G_1/S-Cdk
S-Cdk
M-Cdk

fuso


ciclina G_1/S
ciclina S
ciclina M
Start
G_2/M
metafase-anafase
G_1
S
G_2
M
G_1
ciclina
APC/C
G_1/S-Cdk
S-Cdk
M-Cdk