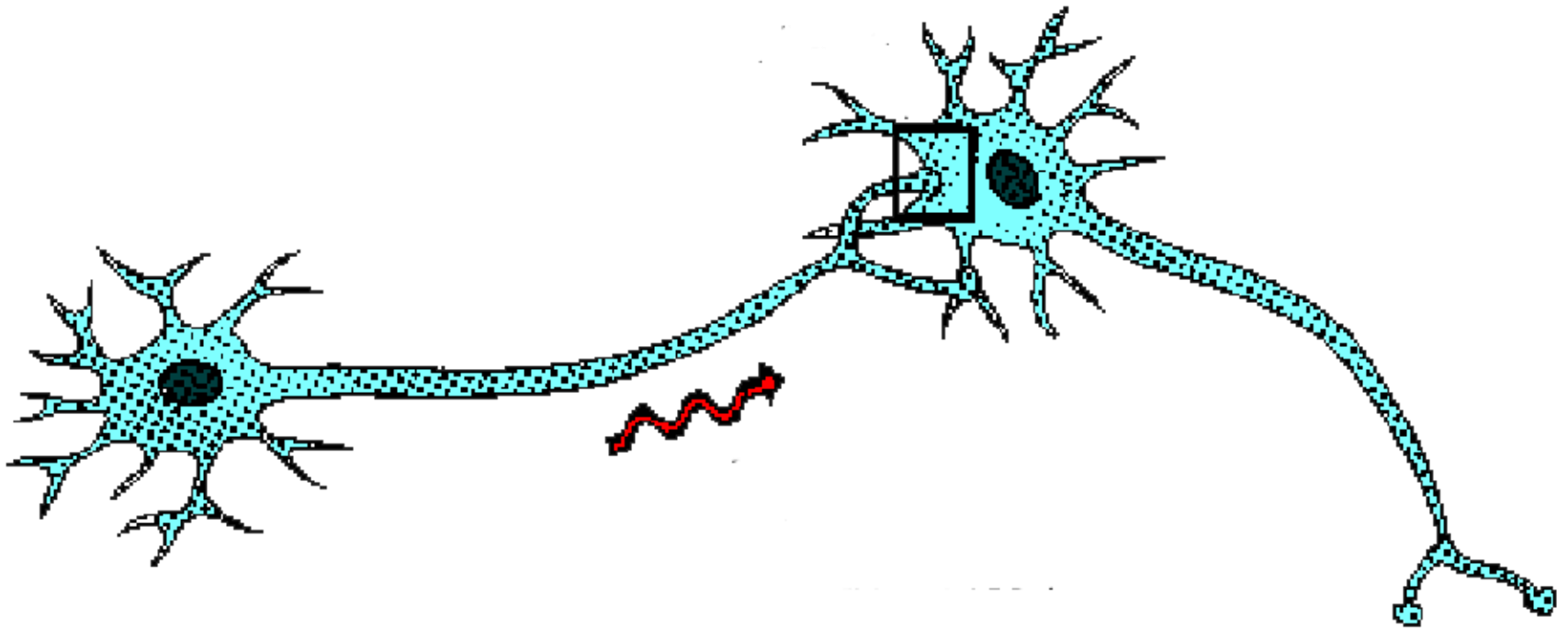


LA CONTRACTION MUSCULAIRE

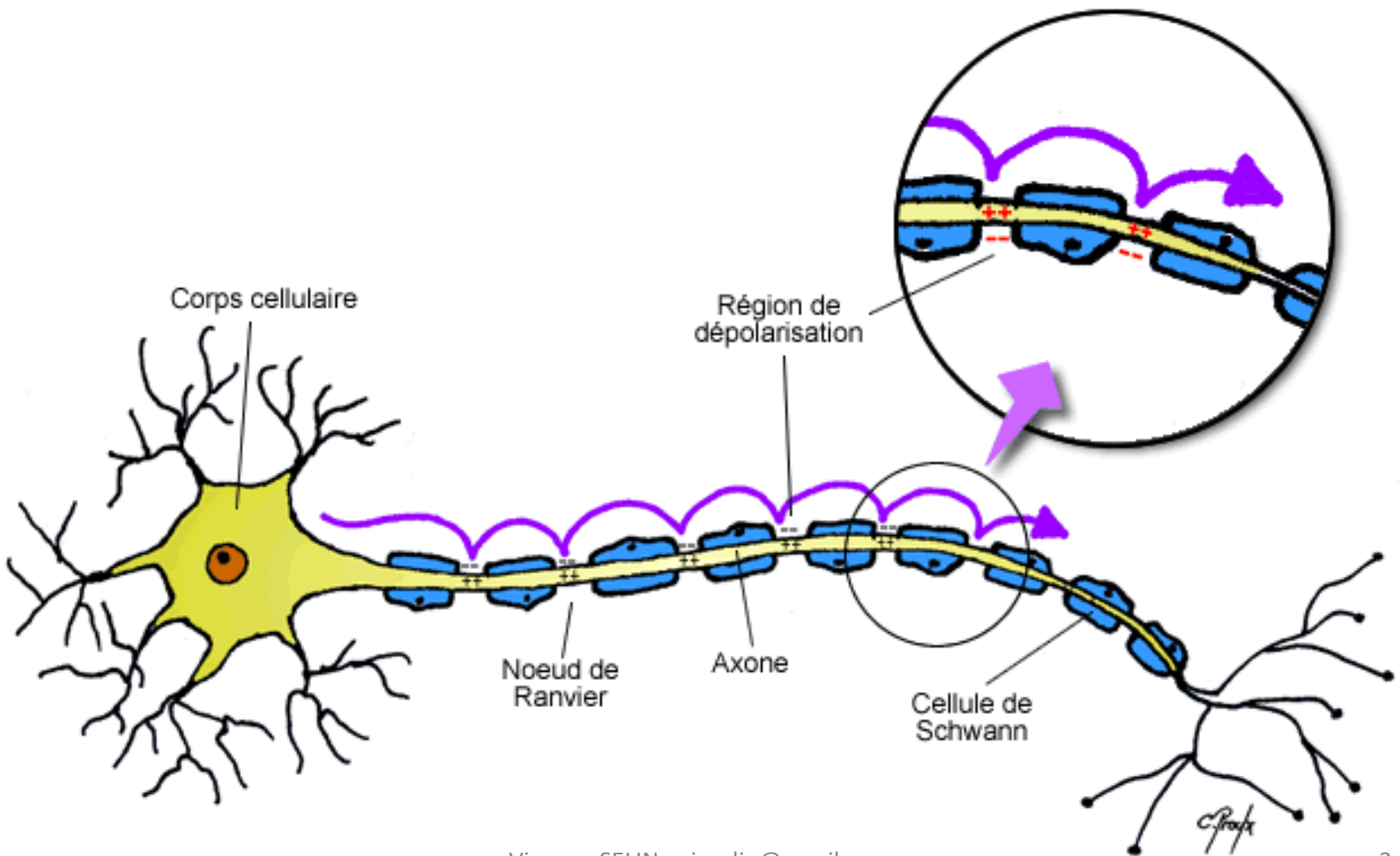
Vianney SELIN – viaselin@gmail.com

SYSTEME NERVEUX PERIPHERIQUE

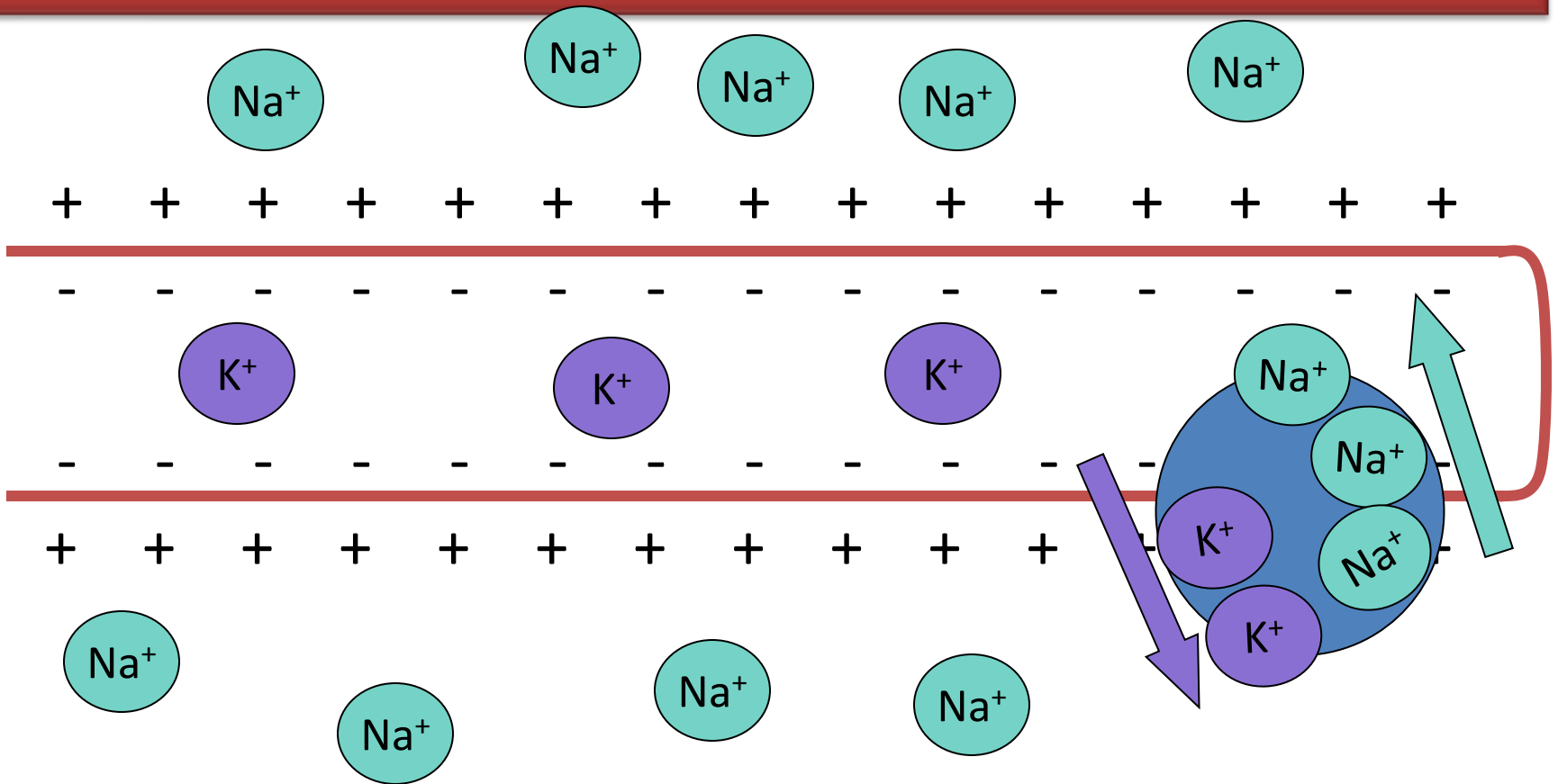


TRANSMISSION POTENTIEL D'ACTION

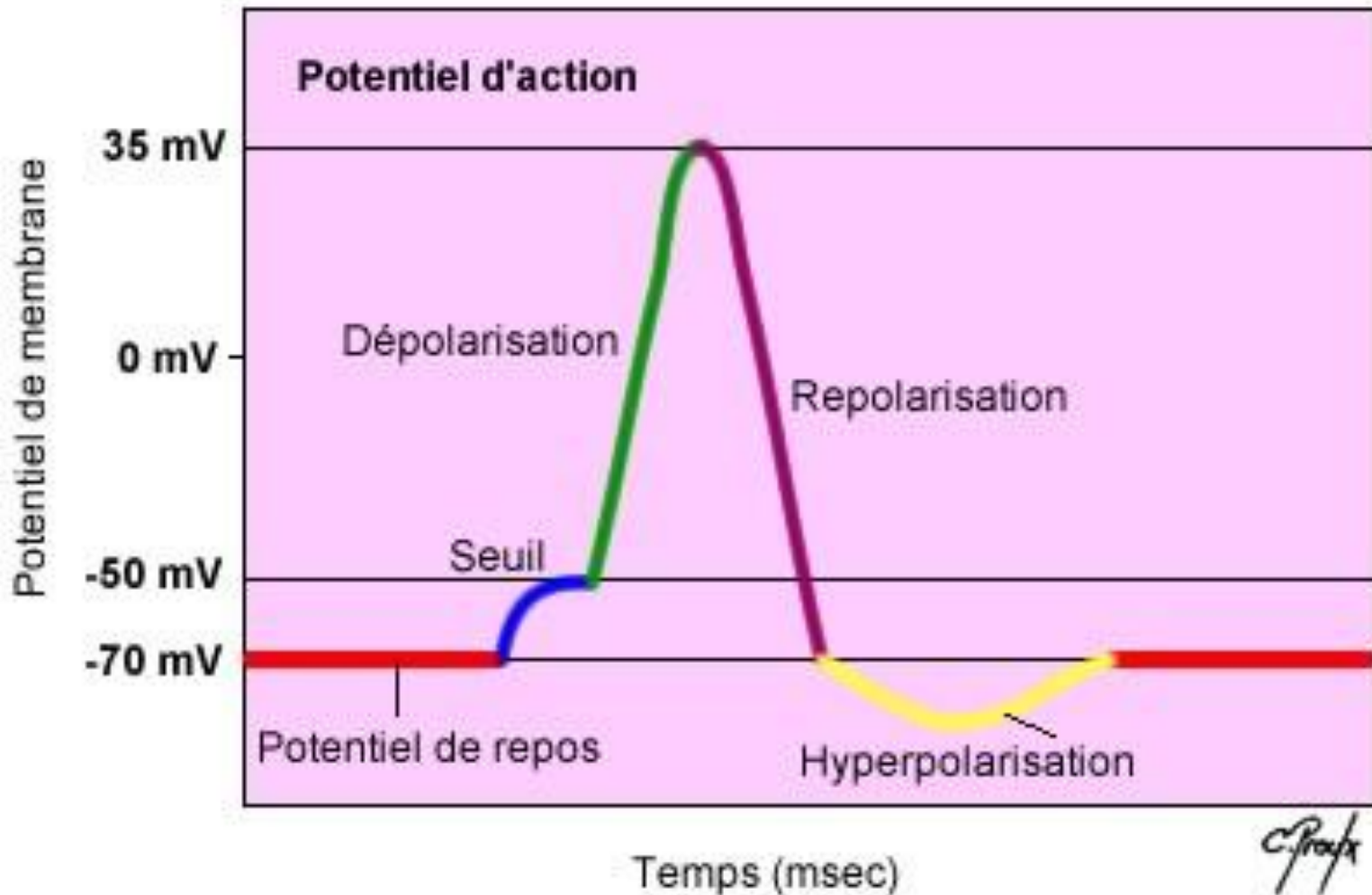
NEURONE



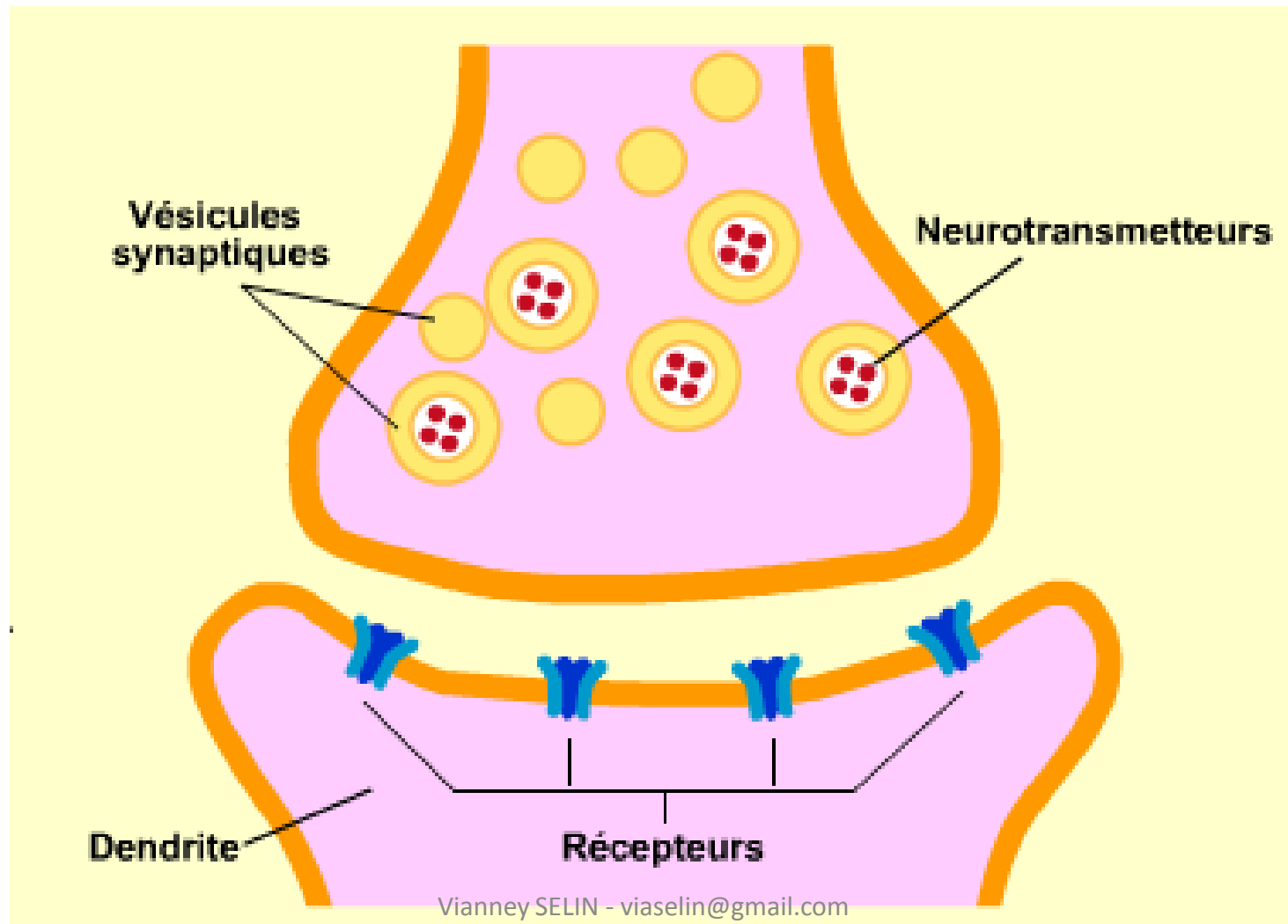
DEPOLARISATION DE LA MEMBRANE



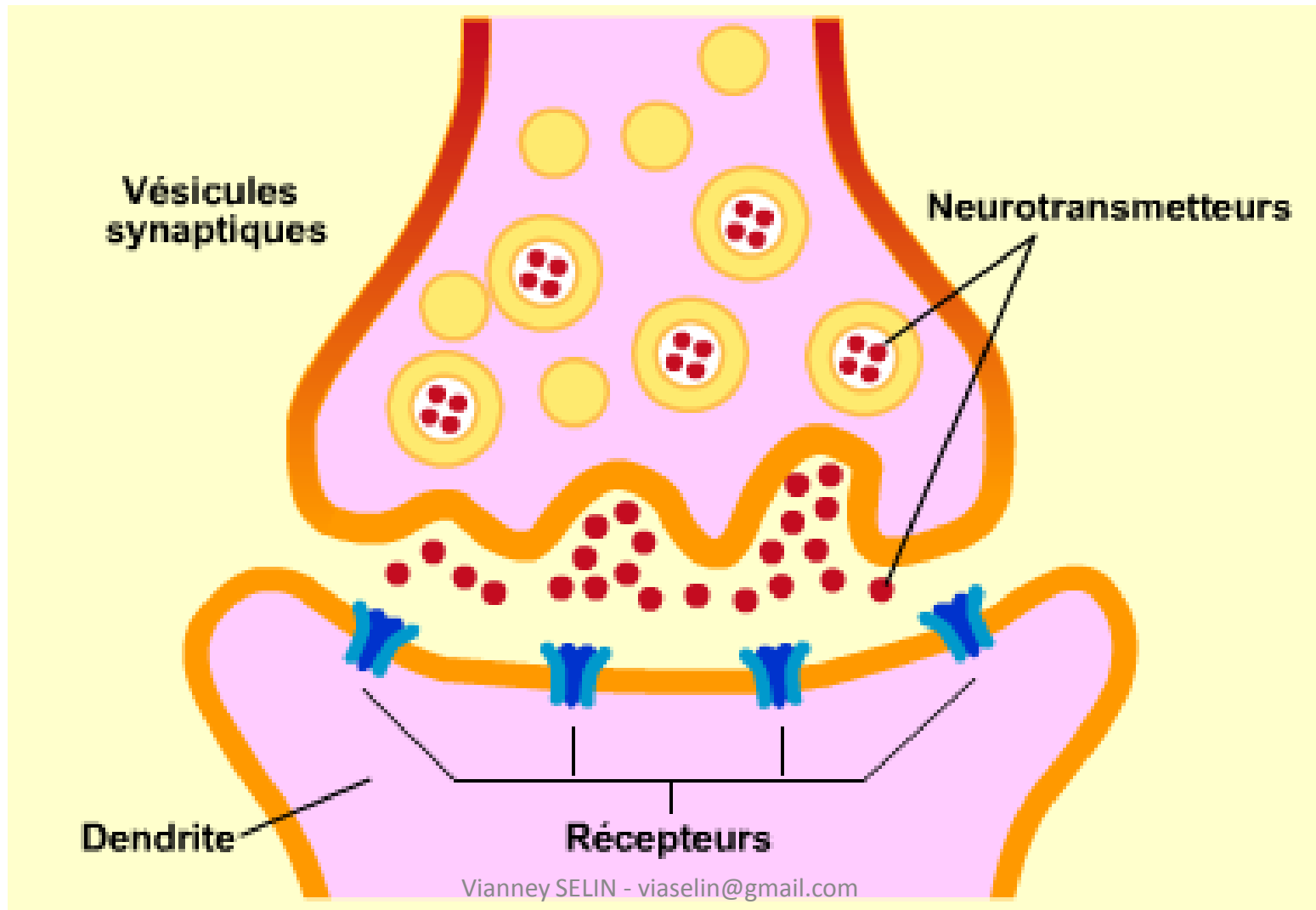
CHRONOLOGIE P.A.



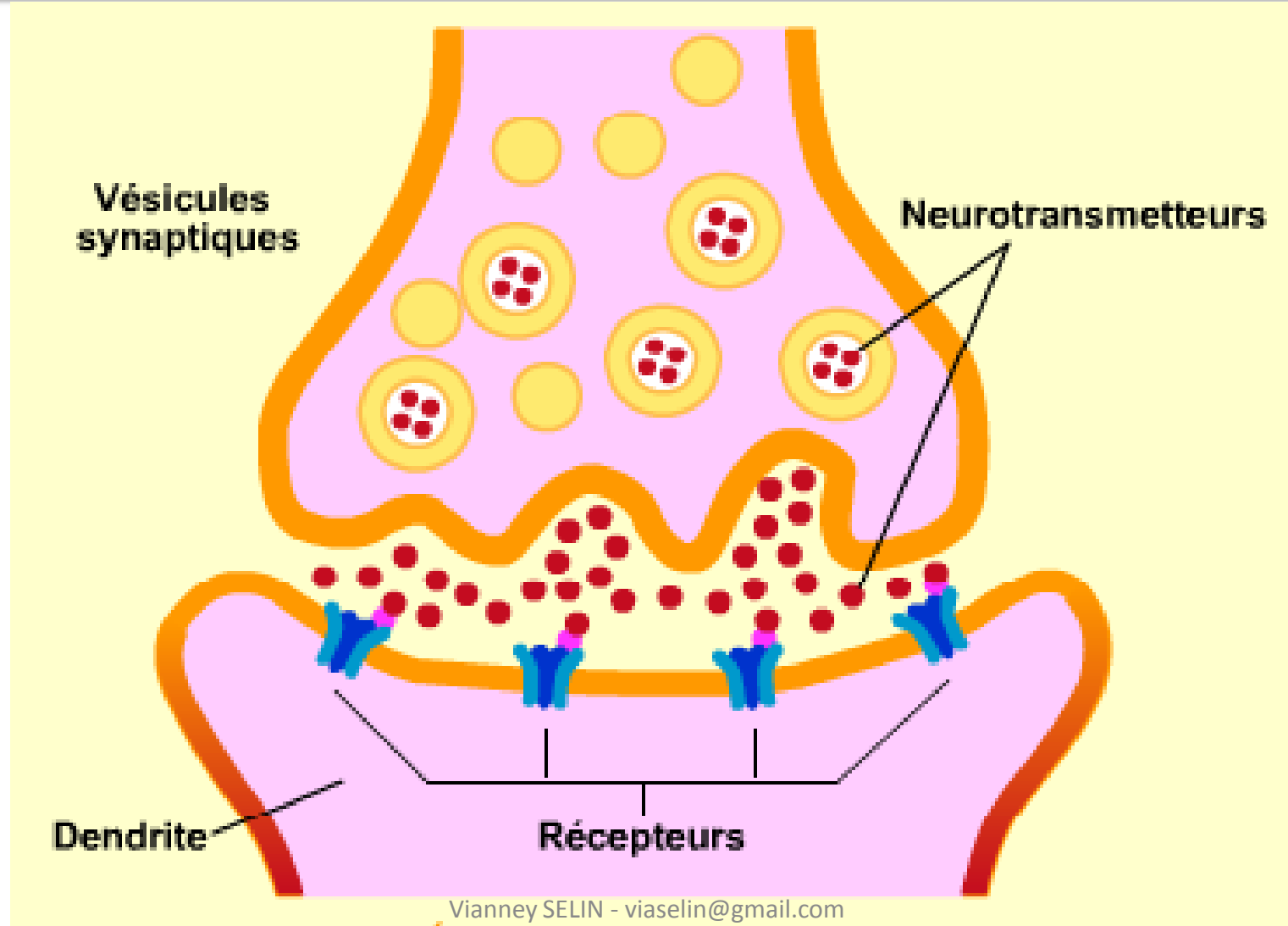
TRANSMISSION SYNAPTIQUE : ETAPE 1



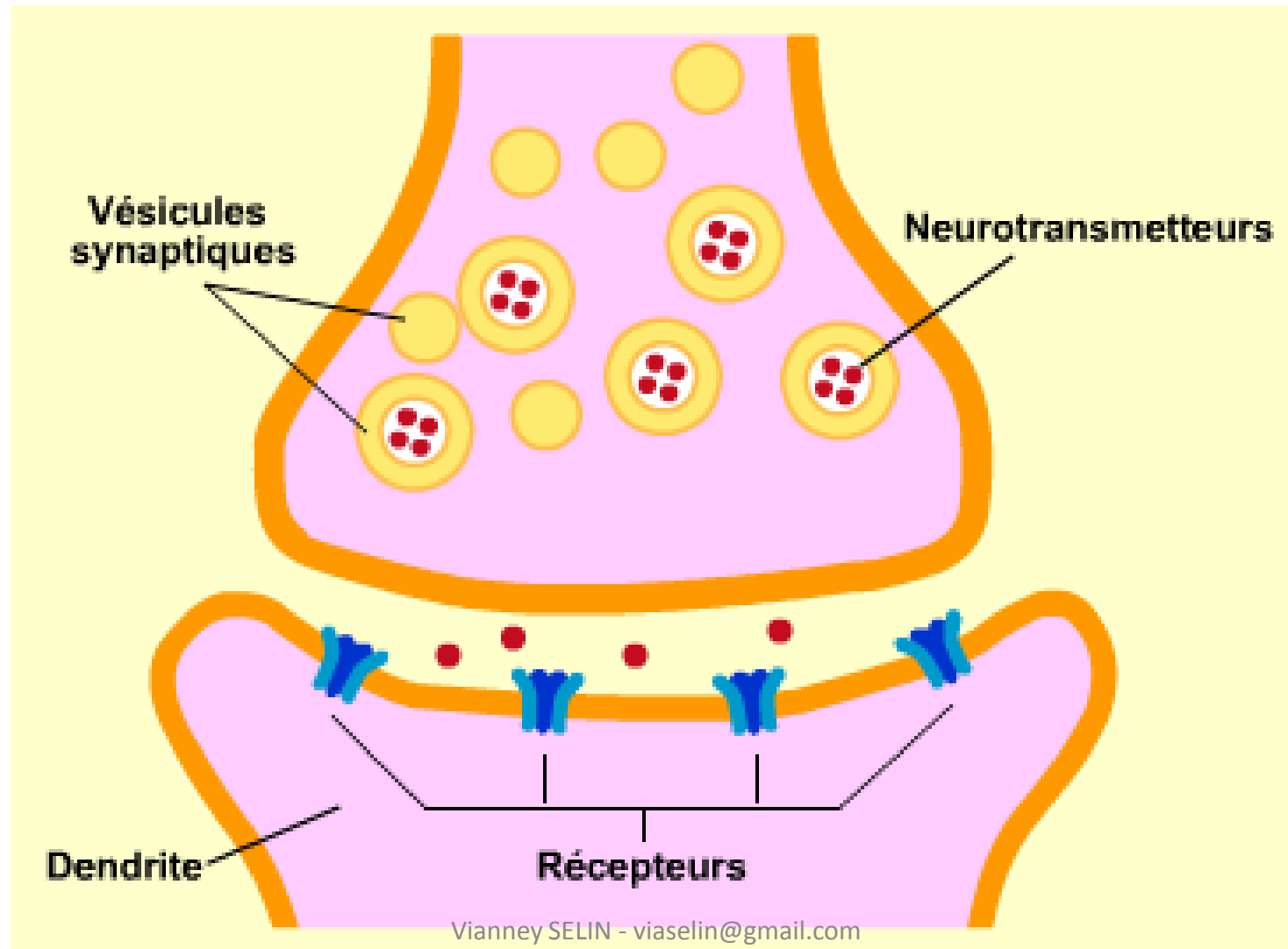
TRANSMISSION SYNAPTIQUE : ETAPE 2



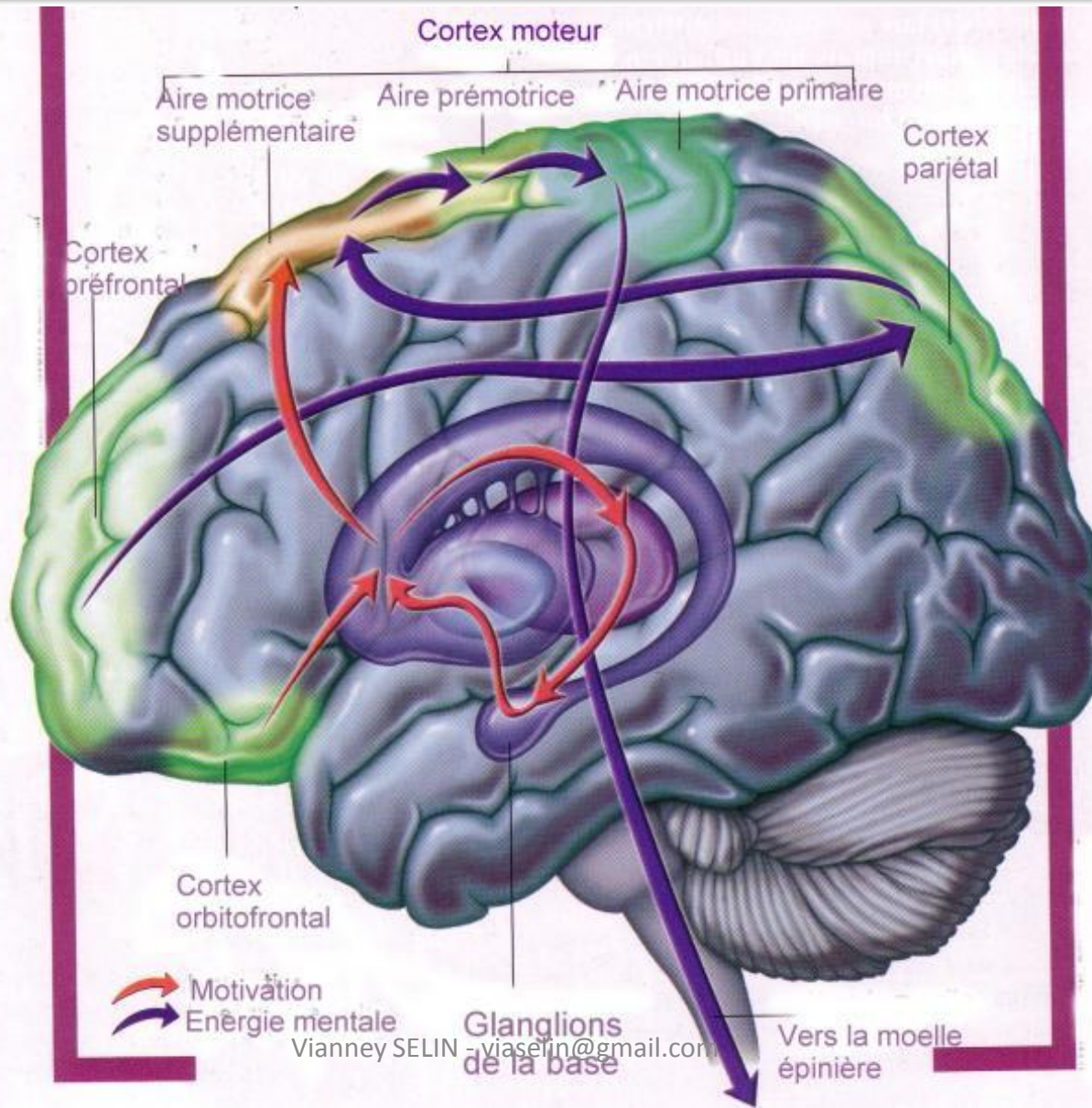
TRANSMISSION SYNAPTIQUE : ETAPE 3



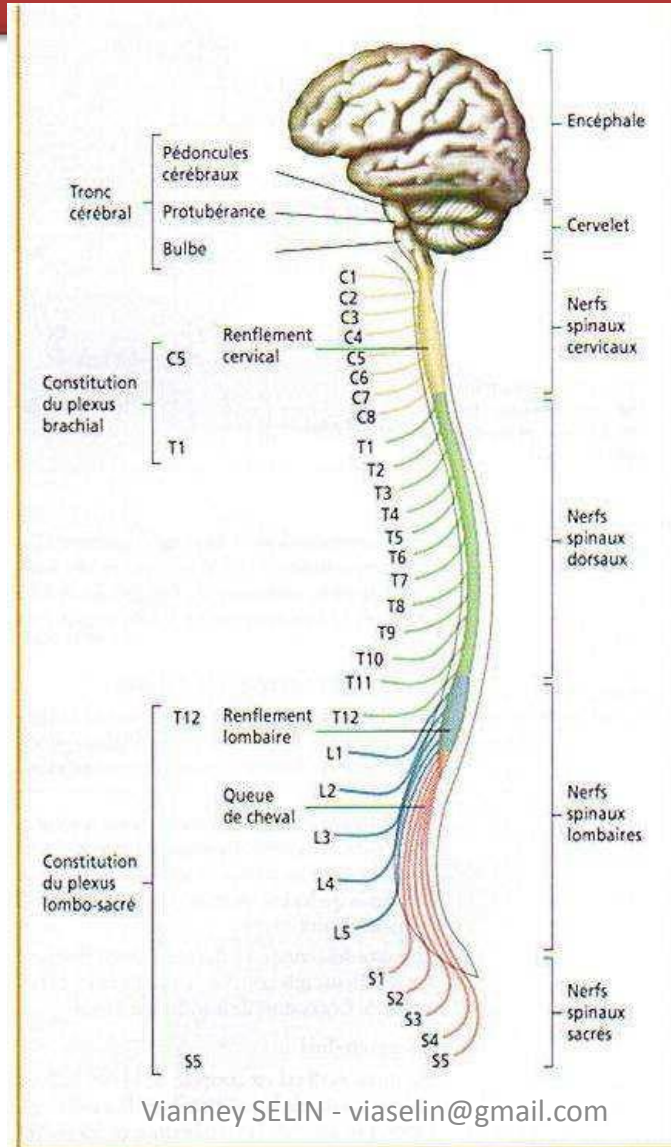
TRANSMISSION SYNAPTIQUE : ETAPE 4



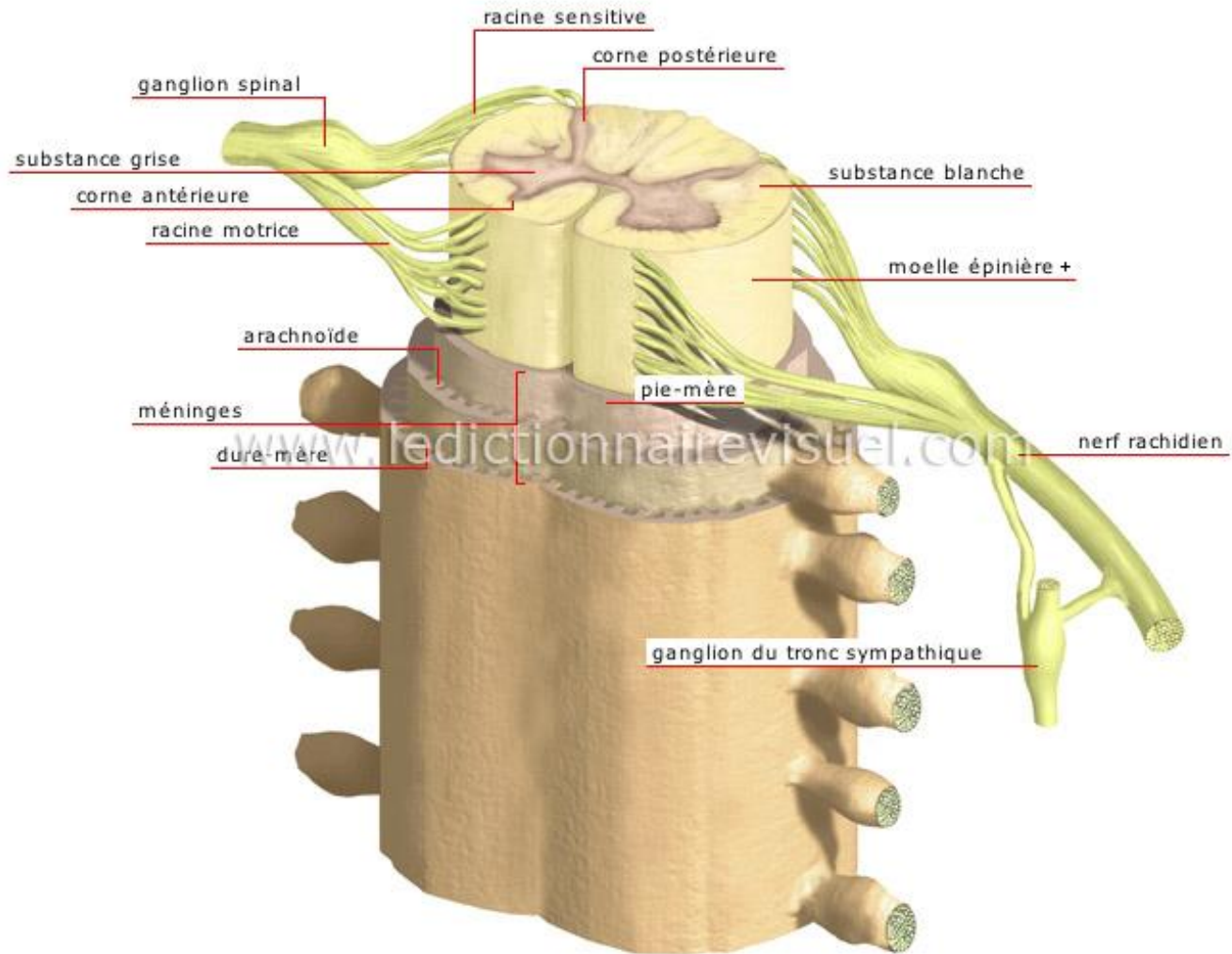
SNC : LA DECISION



SNC : MOELLE EPINIÈRE

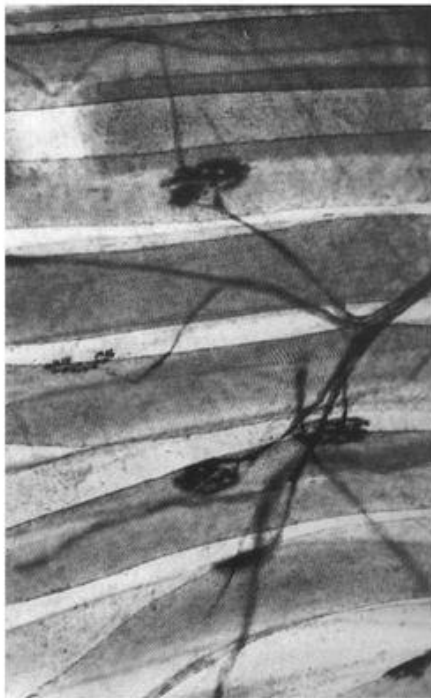


SNC >>>>> SNP

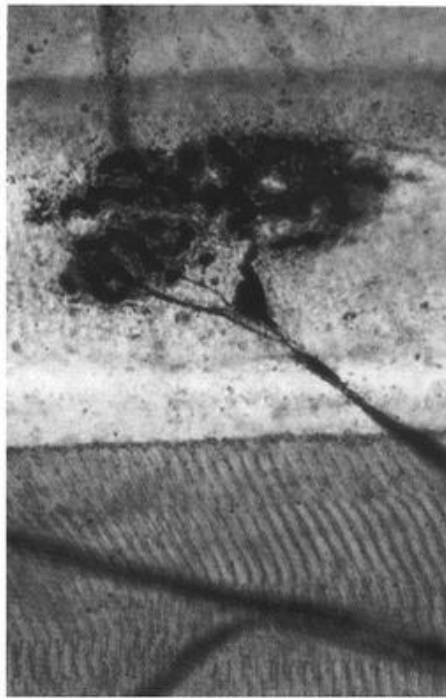


MOTONEURONE : PLAQUE MOTRICE

composante nerveuse motrice



terminaisons axonales
d'un motoneurone alpha
(unité motrice)

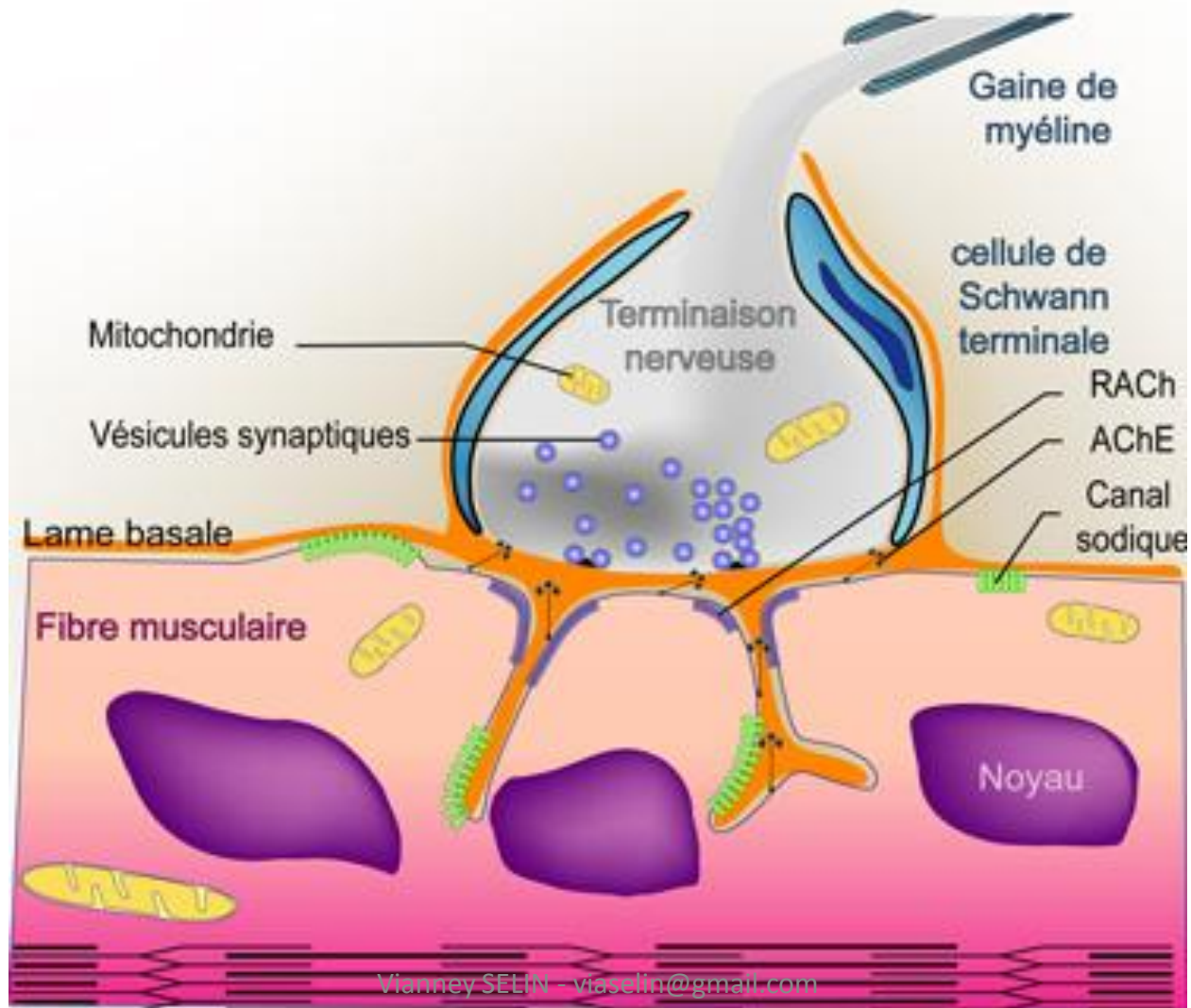


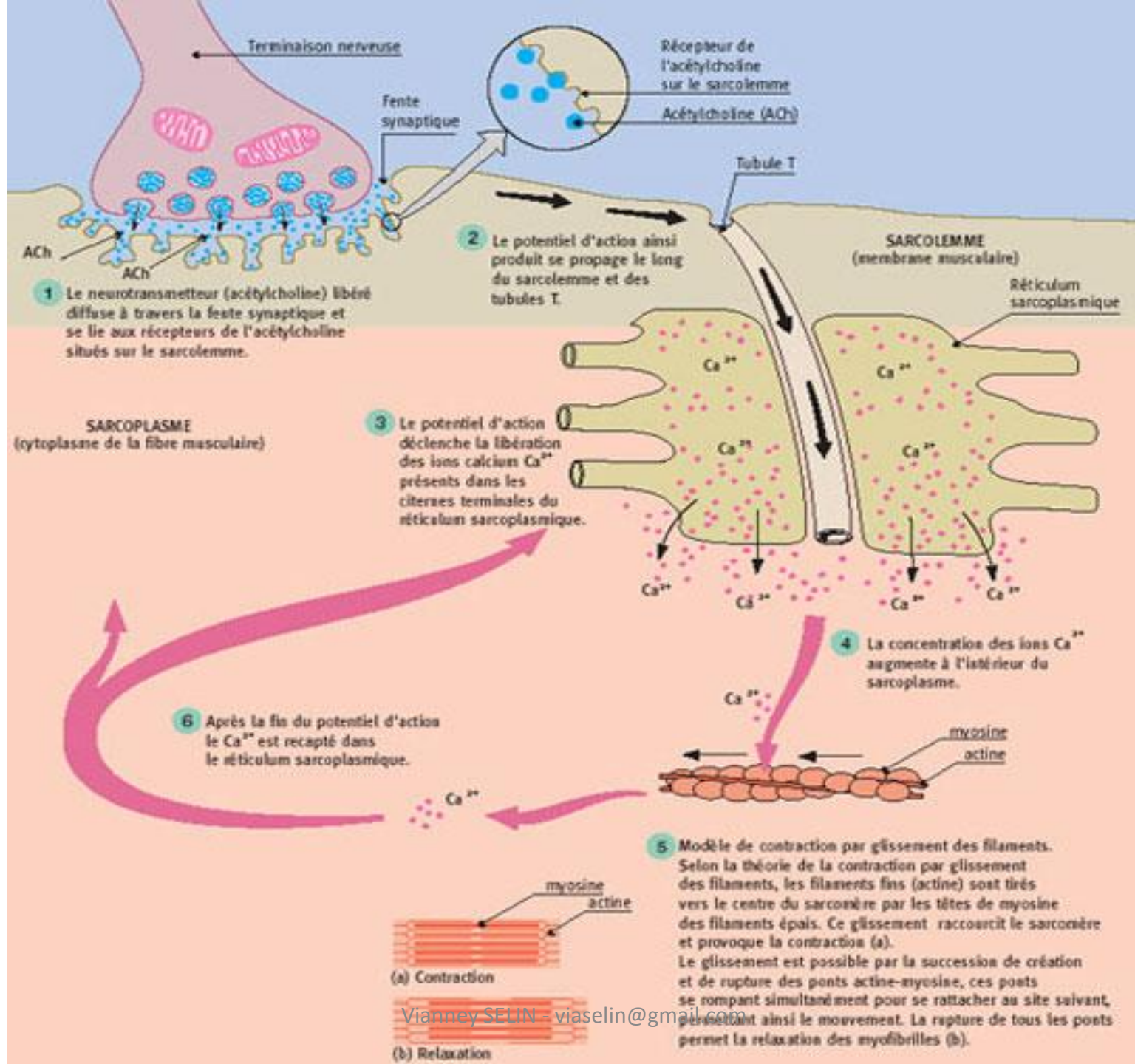
terminaison axonale
+ plaque motrice



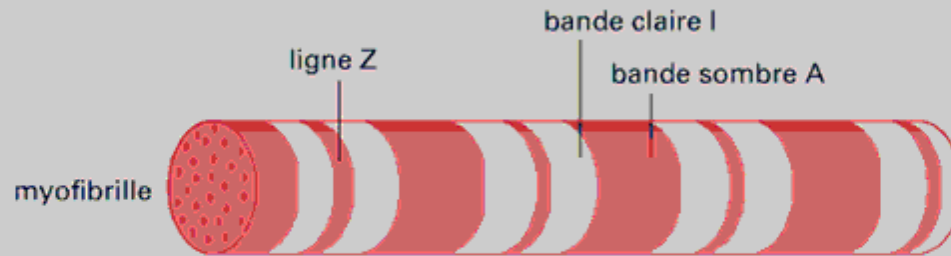
plaques motrices

TRANSMISSION P.A. >>>> MUSCLE





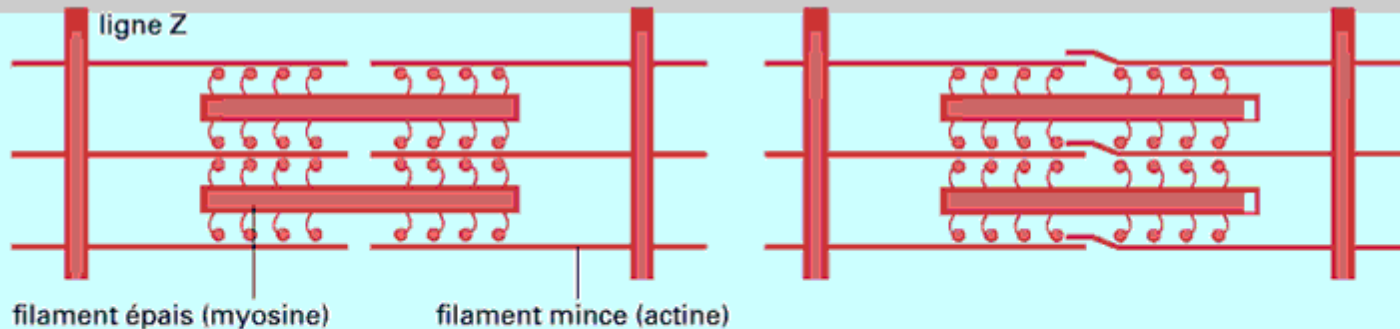
MYOFIBRILLE



a phénomènes mécaniques

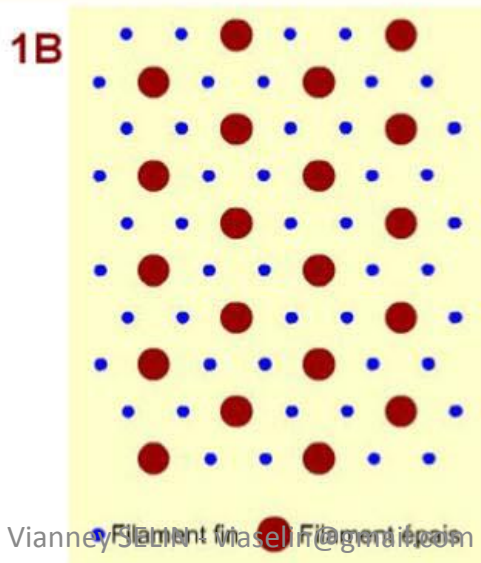
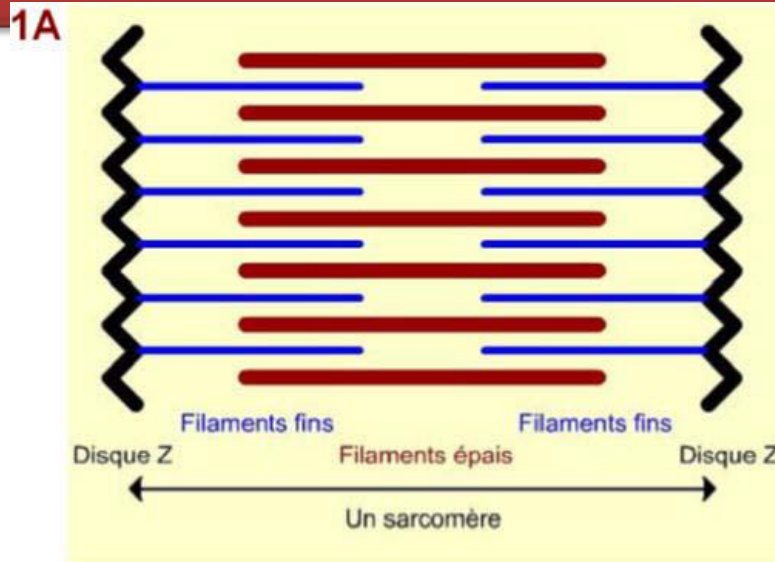
sarcomère en relaxation

sarcomère contracturé

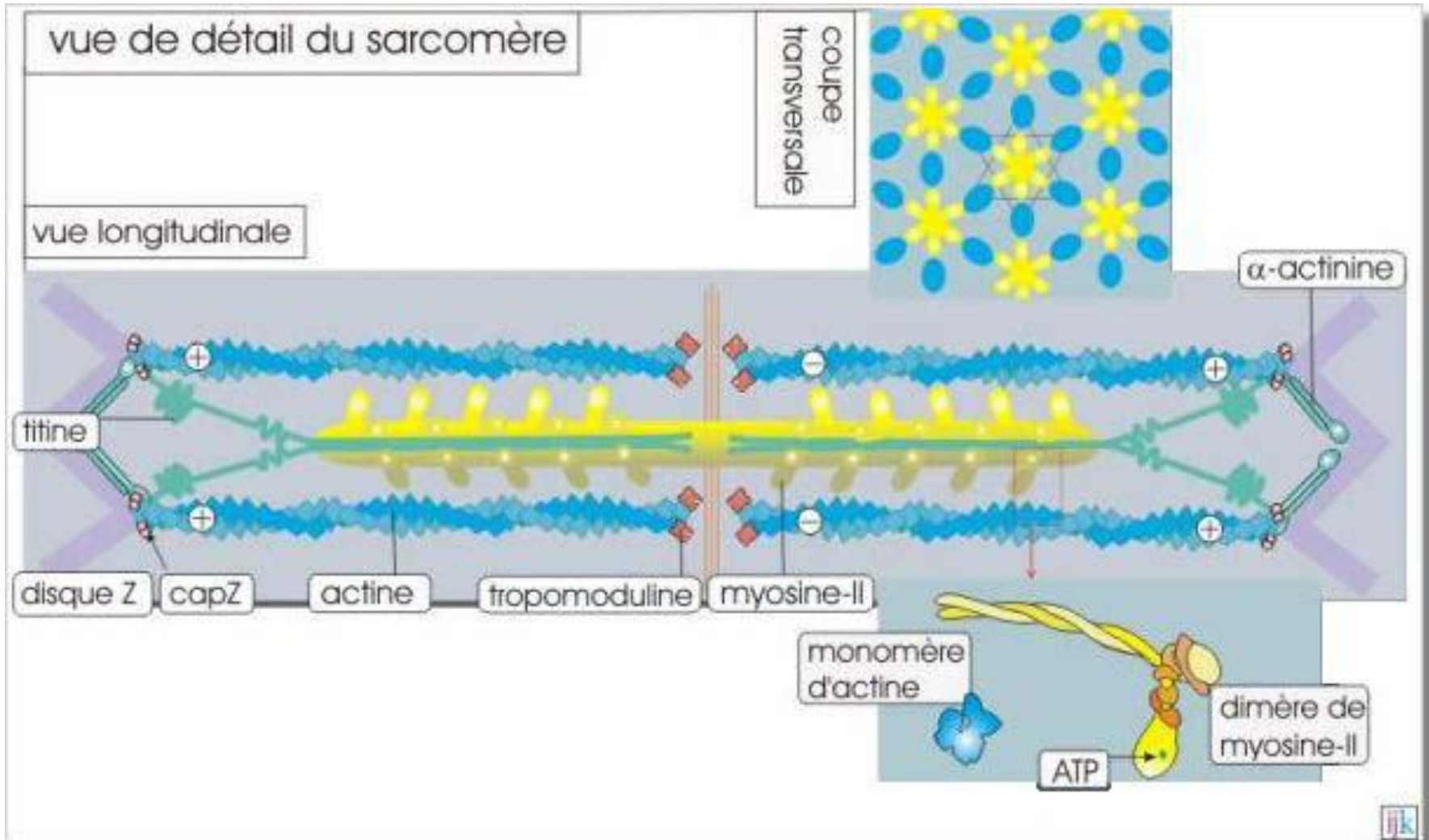


Phénomènes mécaniques dans la myofibrille : à gauche, sarcomère en relaxation ; à droite, sarcomère contracturé qui s'est raccourci. L'interpénétration des filaments est plus importante dans le sarcomère contracturé, et il y a même chevauchement des filaments minces.

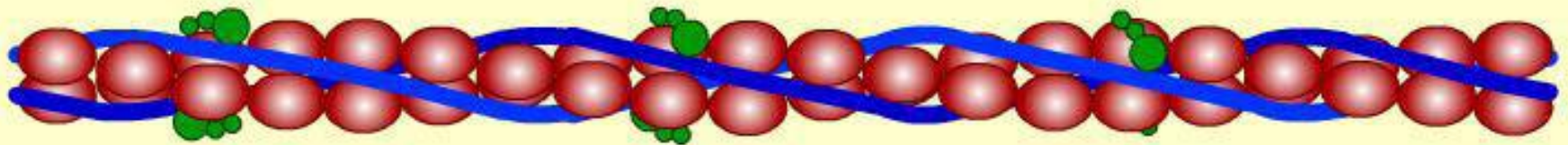
SARCOMERE





SARCOMERE



FILAMENT FIN D'ACTINE

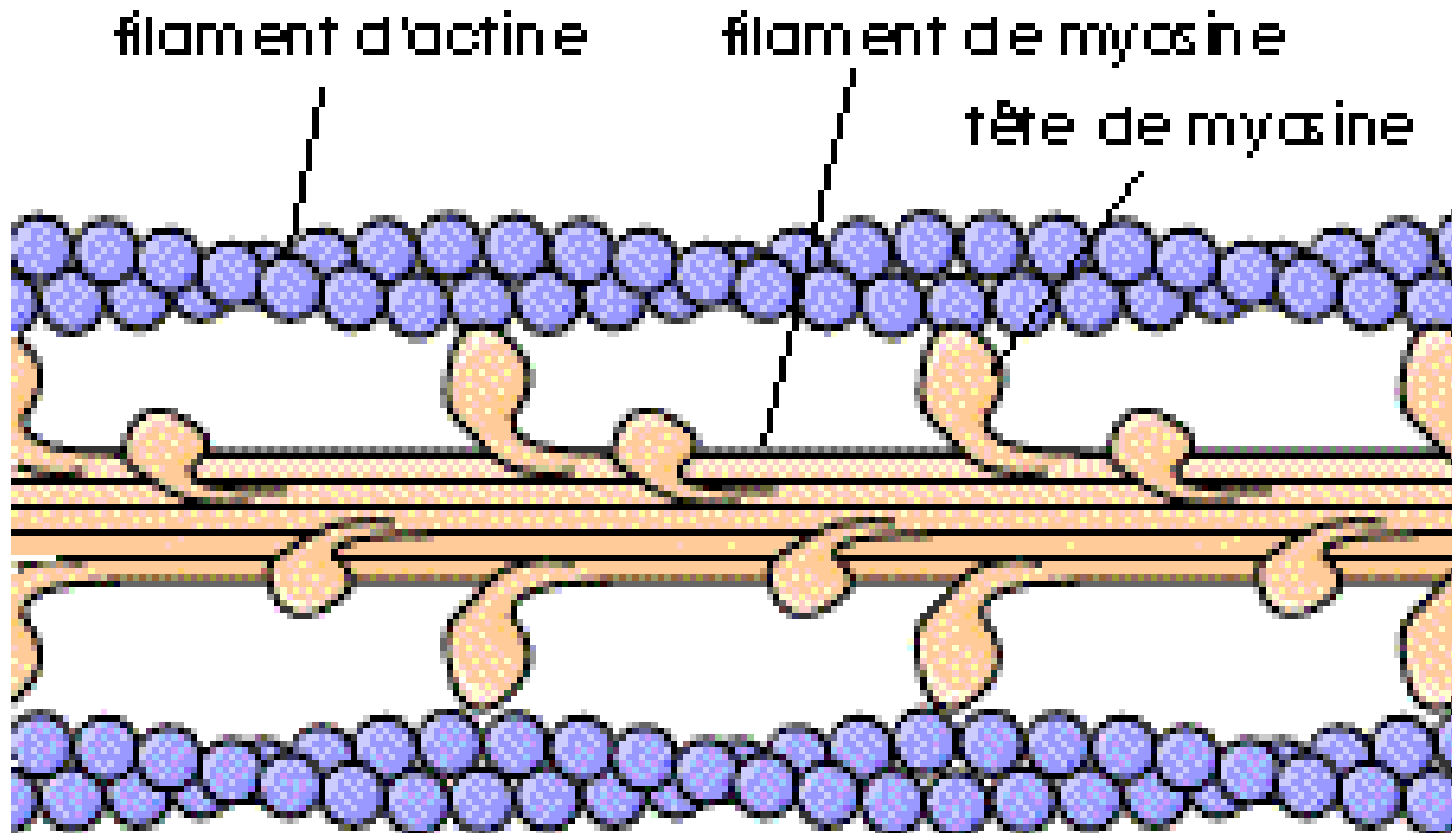


 Actine G

 Tropomyosine

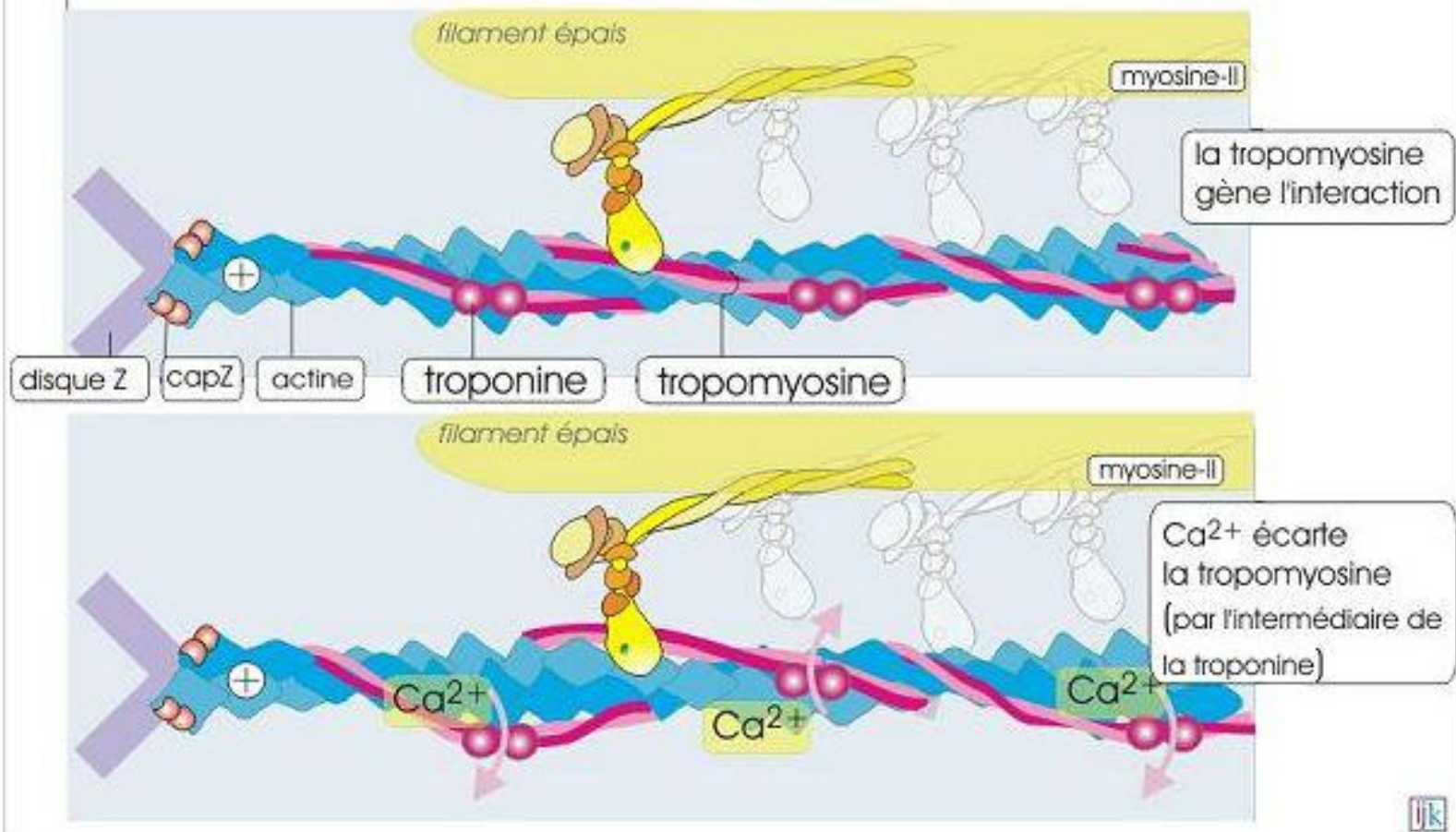
 Troponine

FILAMENT EPAIS DE MYOSINE

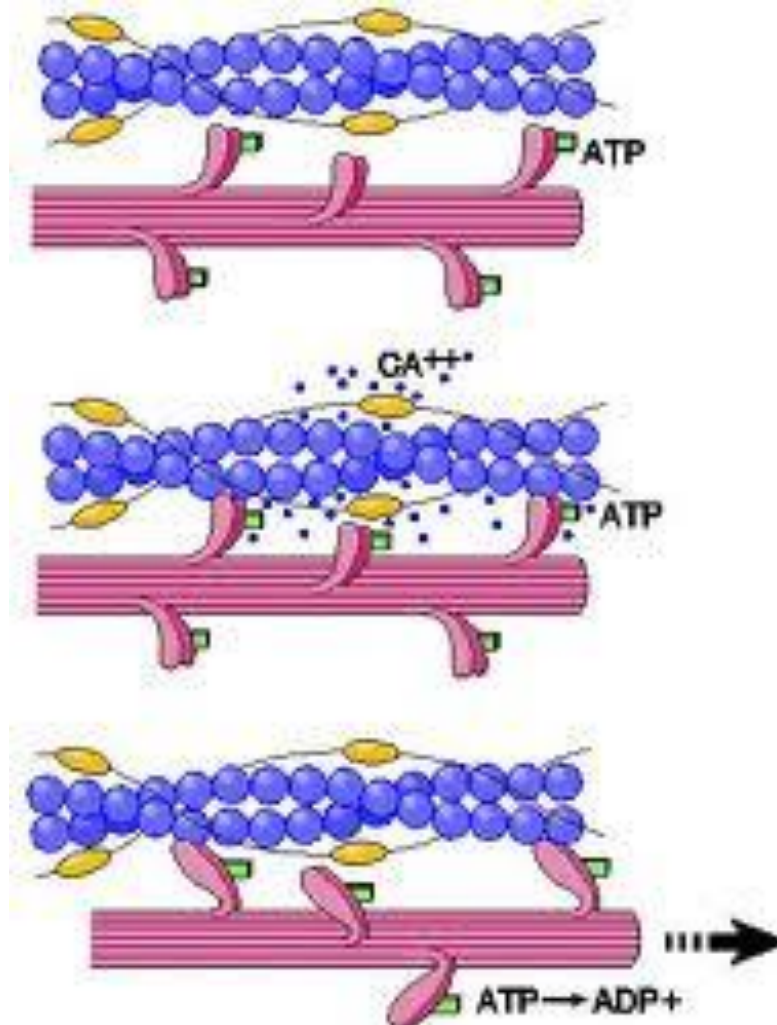


INTERACTION : ACTINE / MYOSINE

La présence de Ca^{2+} permet l'interaction entre la myosine et l'actine

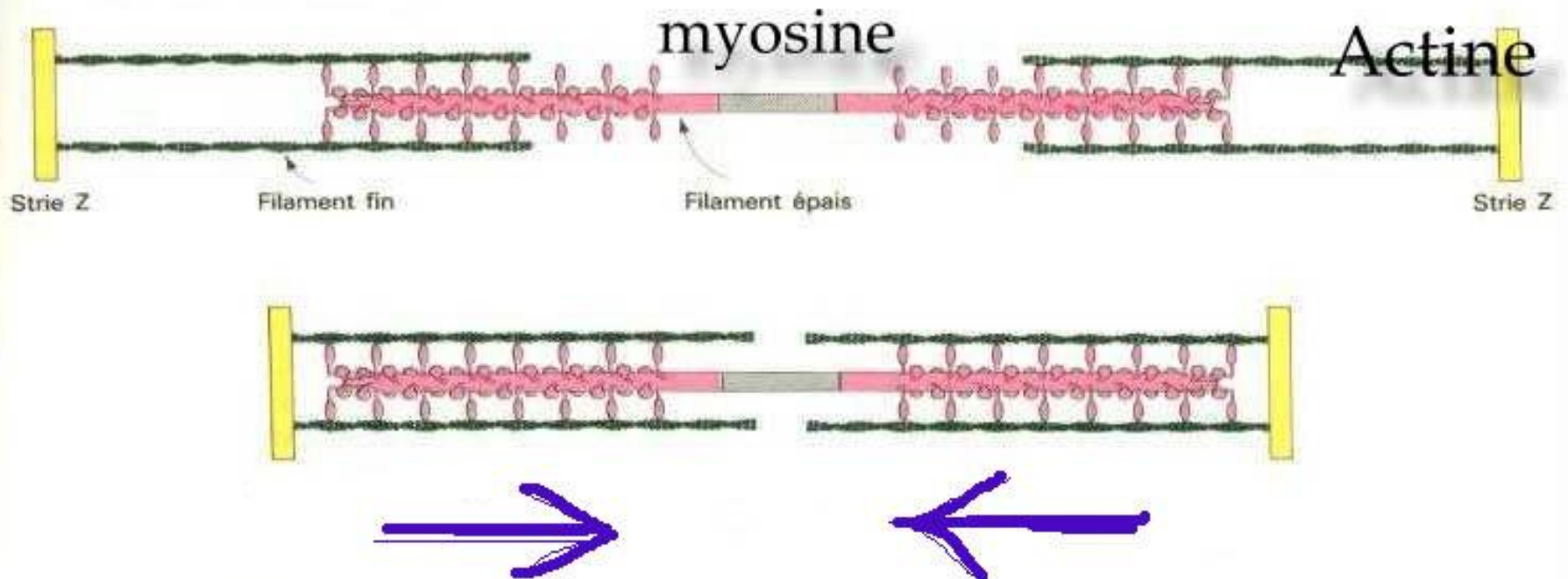


GLISSEMENT ACTINE/MYOSINE

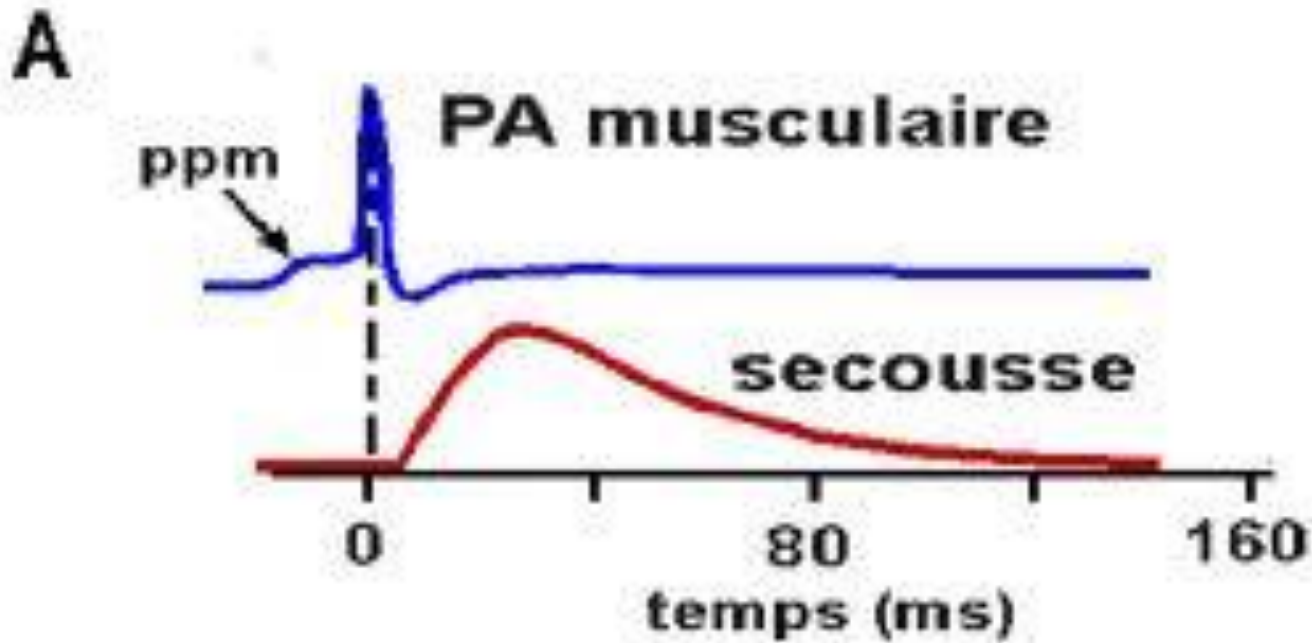


CONTRACTION

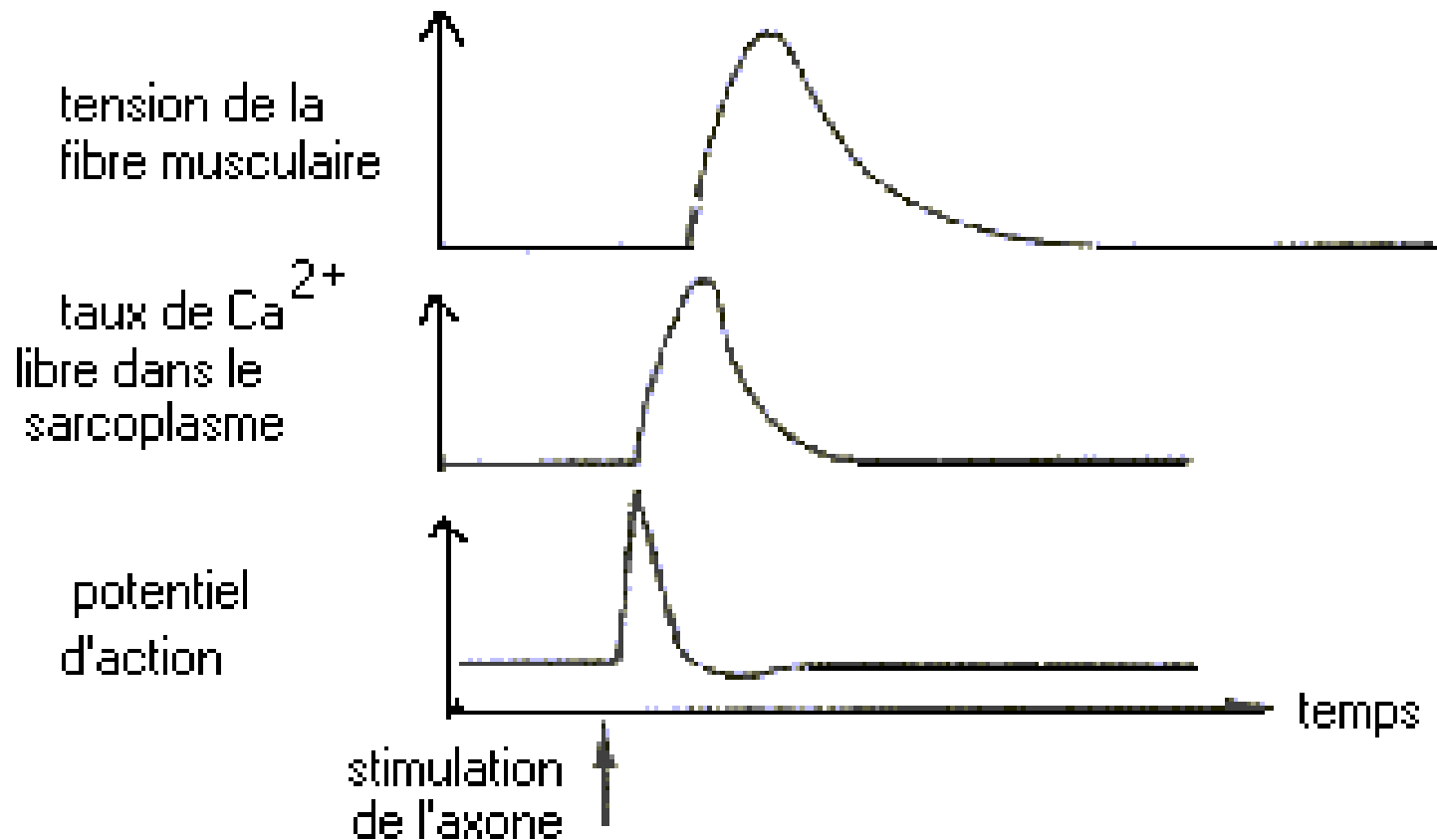
Interpénétration de l'actine et de la myosine



CONTRACTION MUSCULAIRE



CHRONOLOGIE



Document 2