

Tejido nervioso

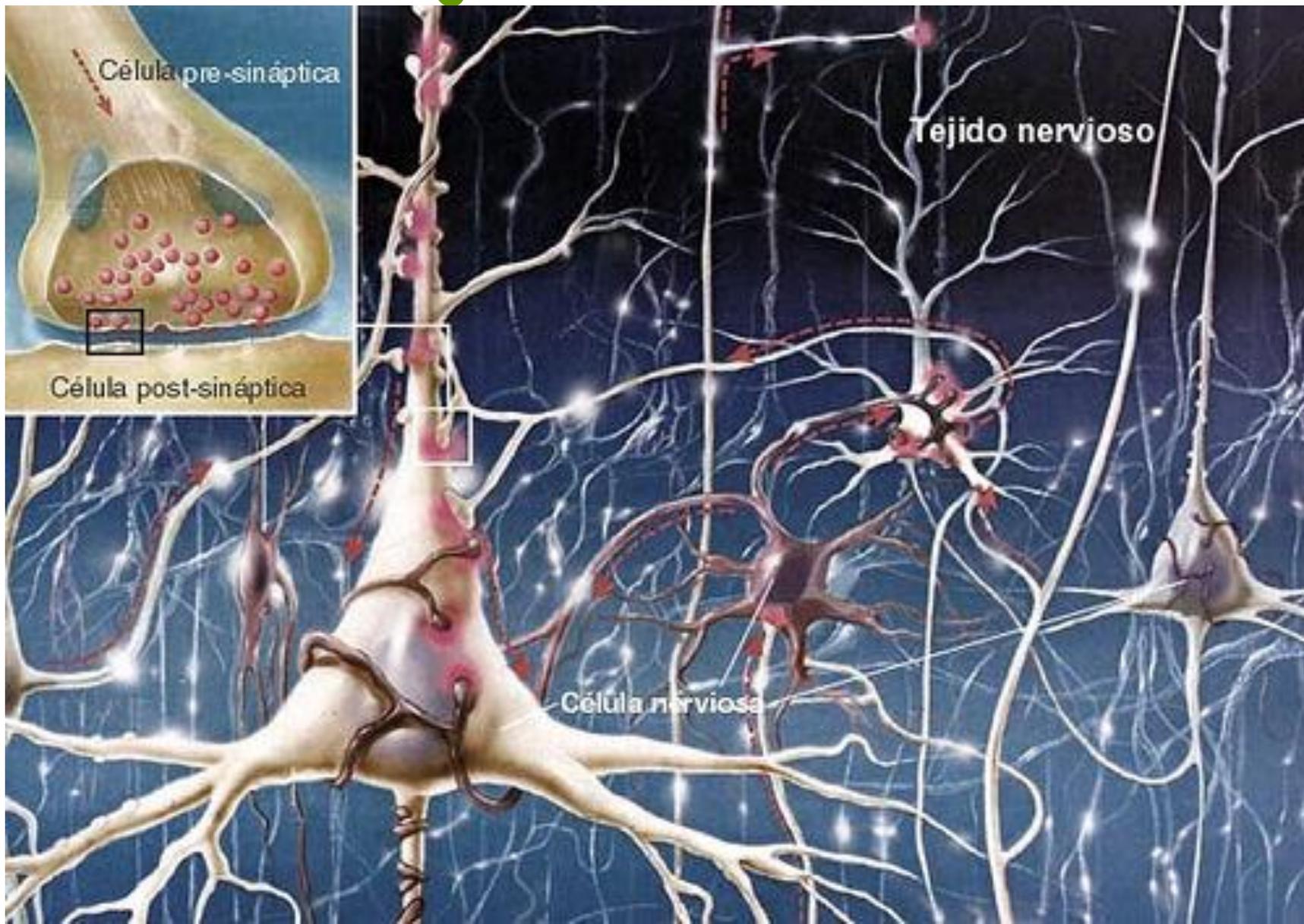
- Neuronas
- Células gliales

Tejido nervioso

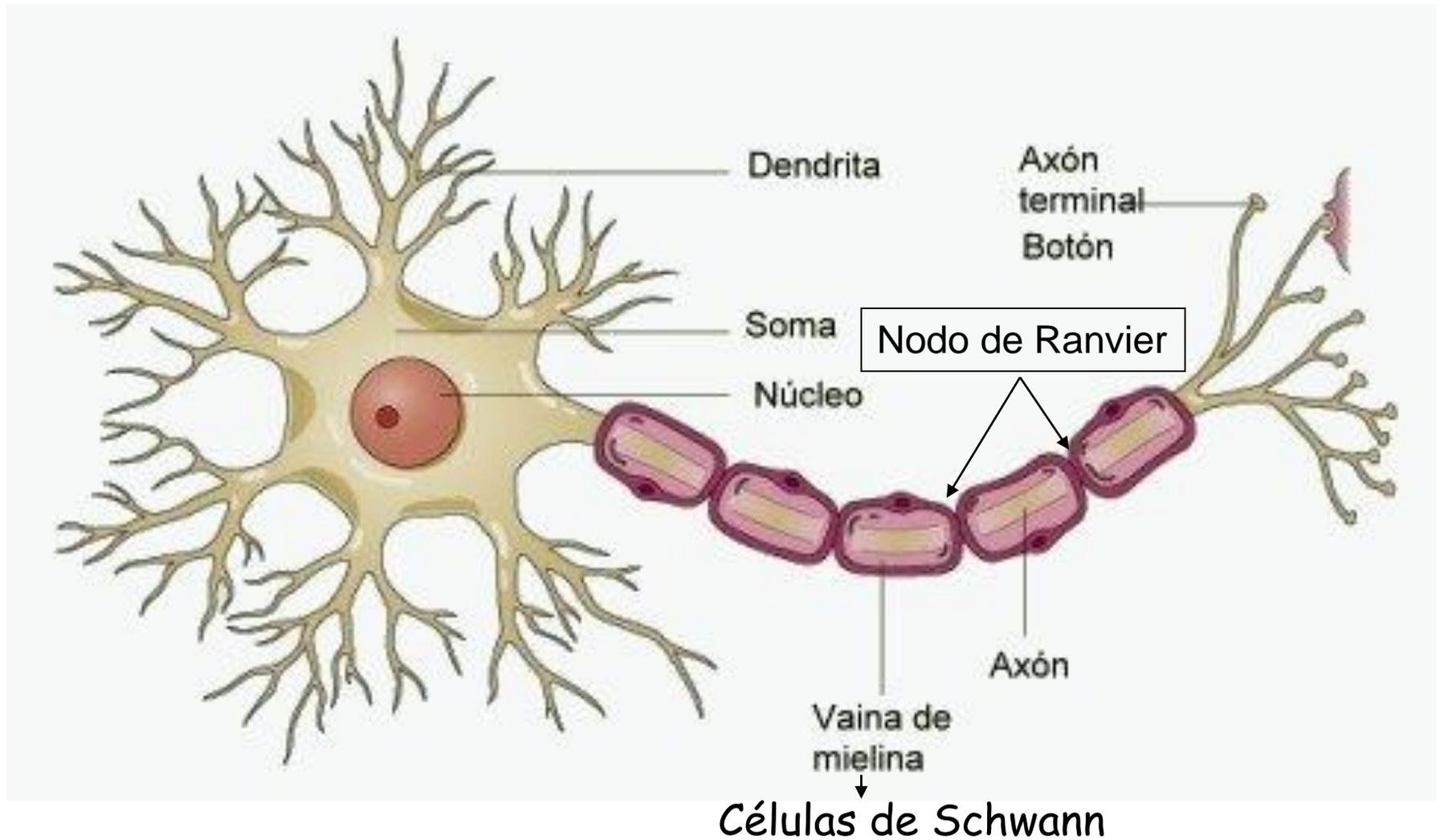
Función:

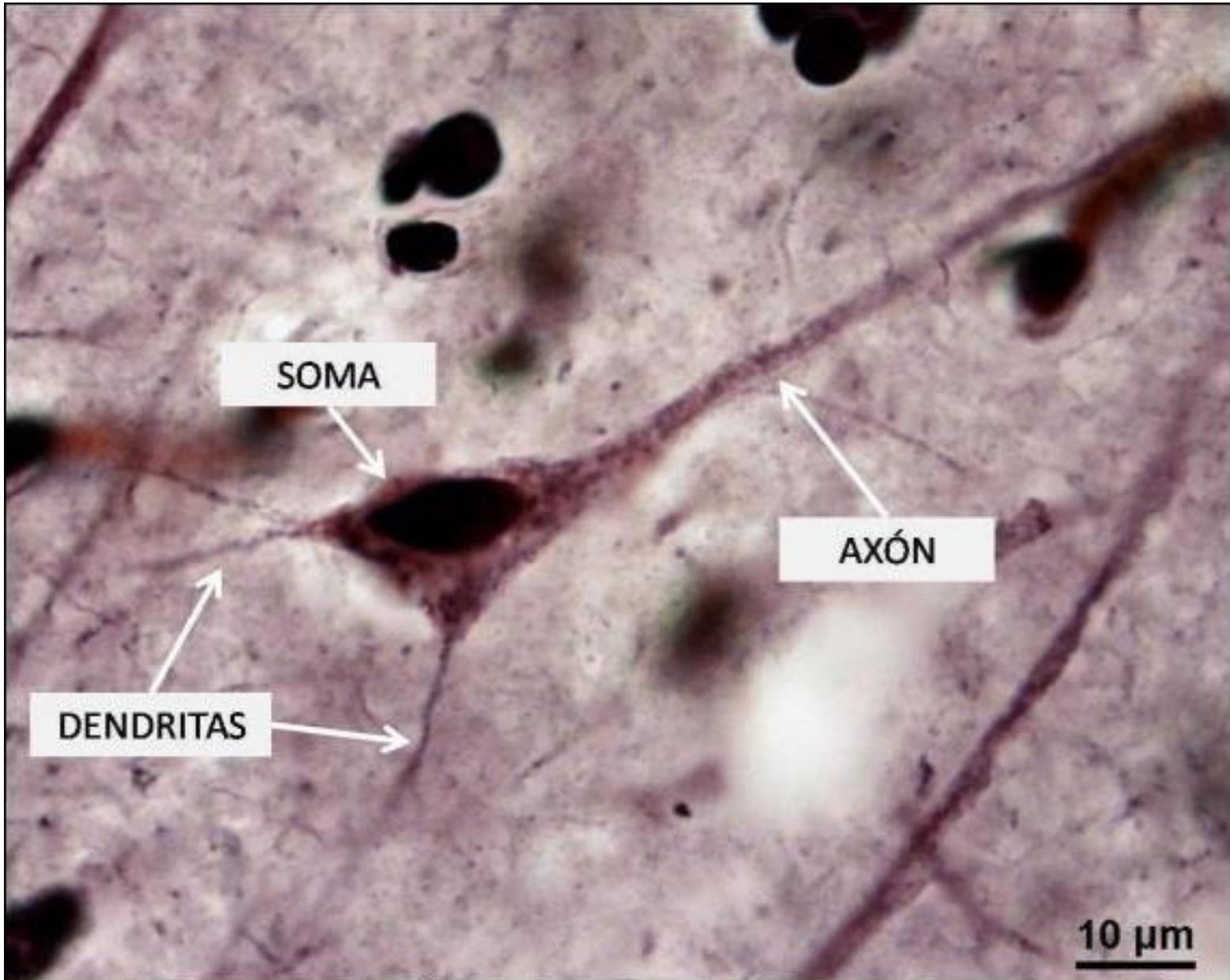
- **Neuronas:** transmitir el impulso nervioso
- **Células gliales:** protección y nutrición de las neuronas

Tejido nervioso

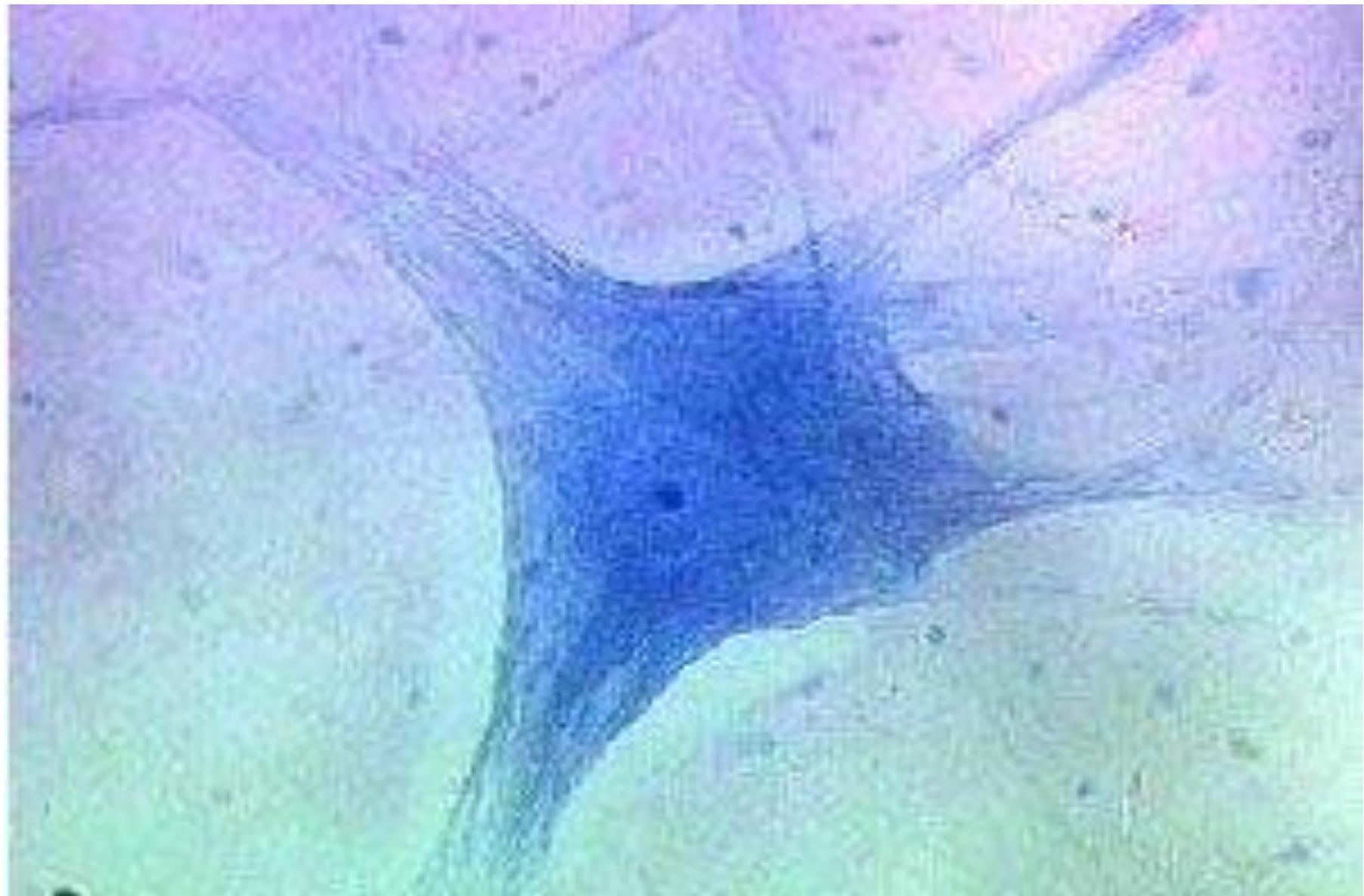


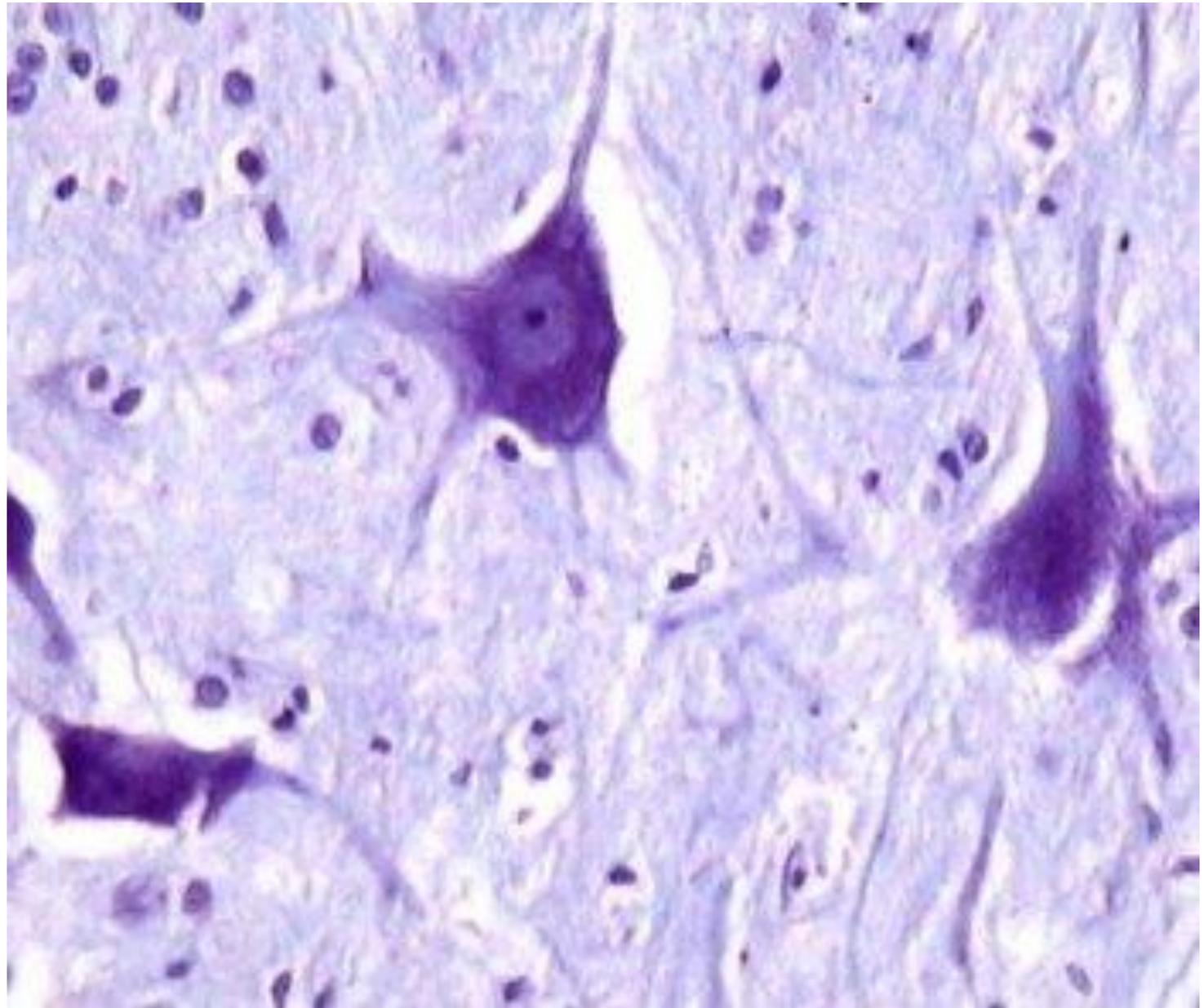
Esquema de una neurona



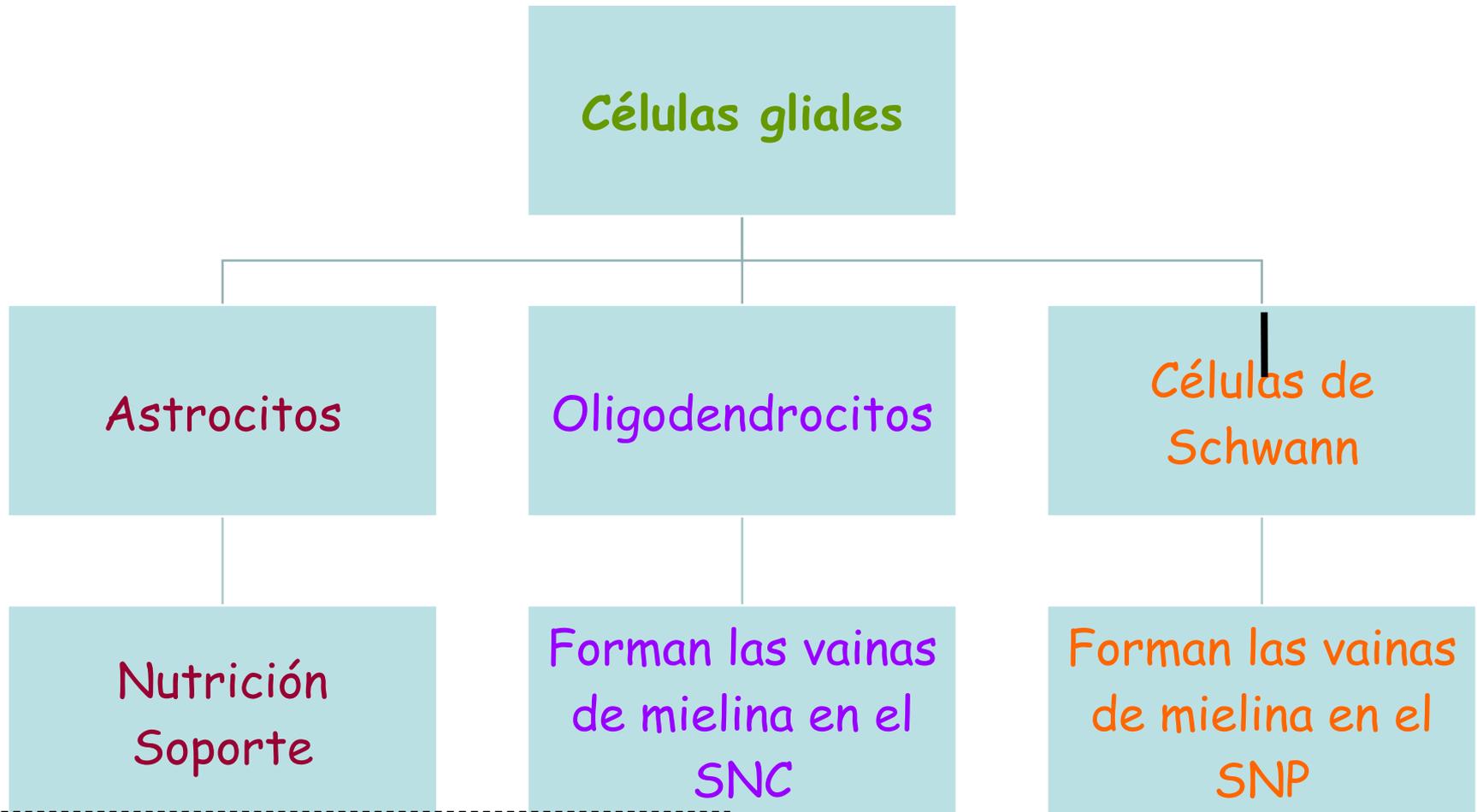


Fotografía: Dra. Sonia Mejía Pérez





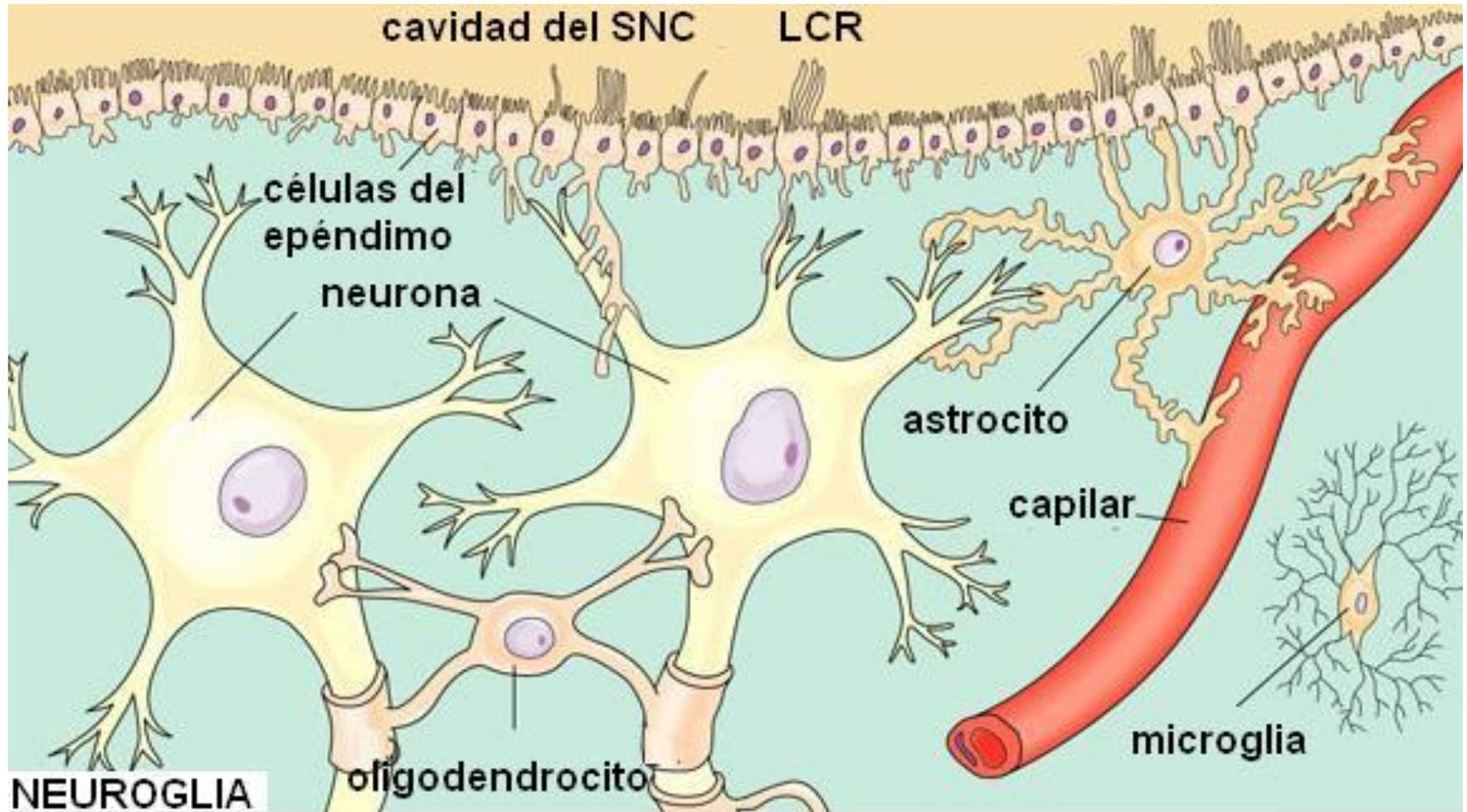
Células del sistema nervioso: neuroglía



SNC: Sistema nervioso central

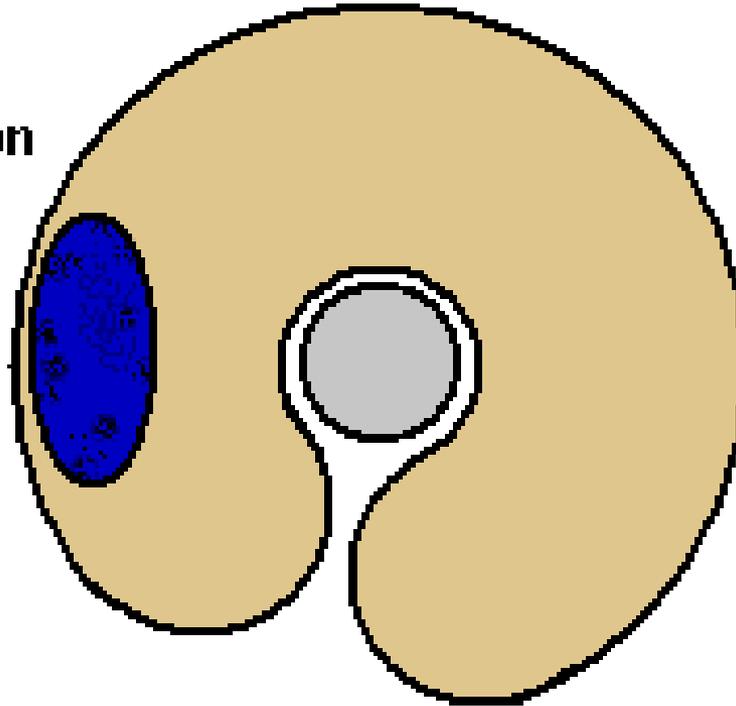
SNP: sistema nervioso periférico

Tipos de células de la glía



Formación de la vaina de mielina

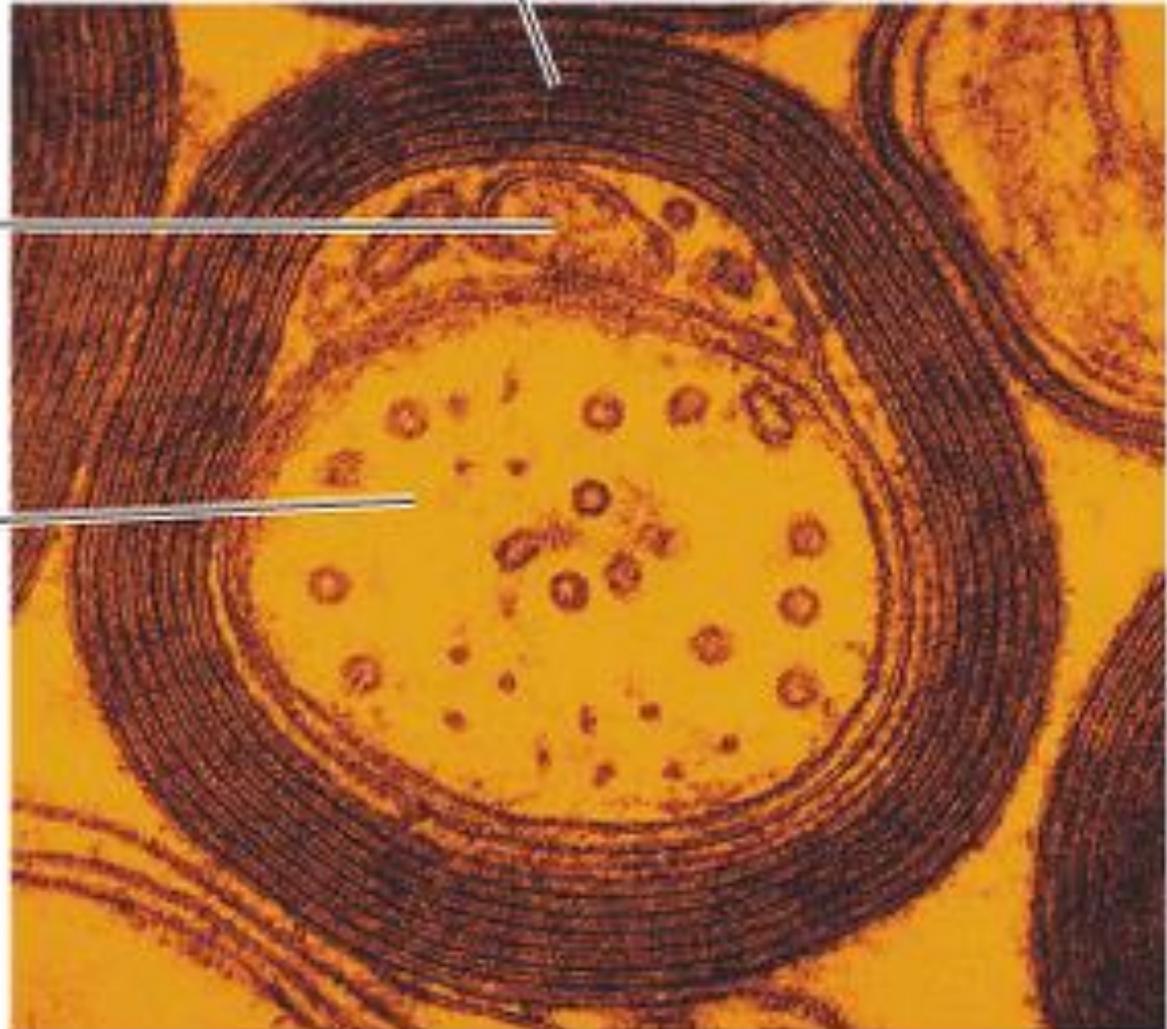
**Myelination of
a peripheral axon**



<http://www.javeriana.edu.co/Facultades/Ciencias/neurobioquimica/libros/neurobioquimica/funcionoligoden.htm>

Vaina de mielina formada por la célula de Schwann

1

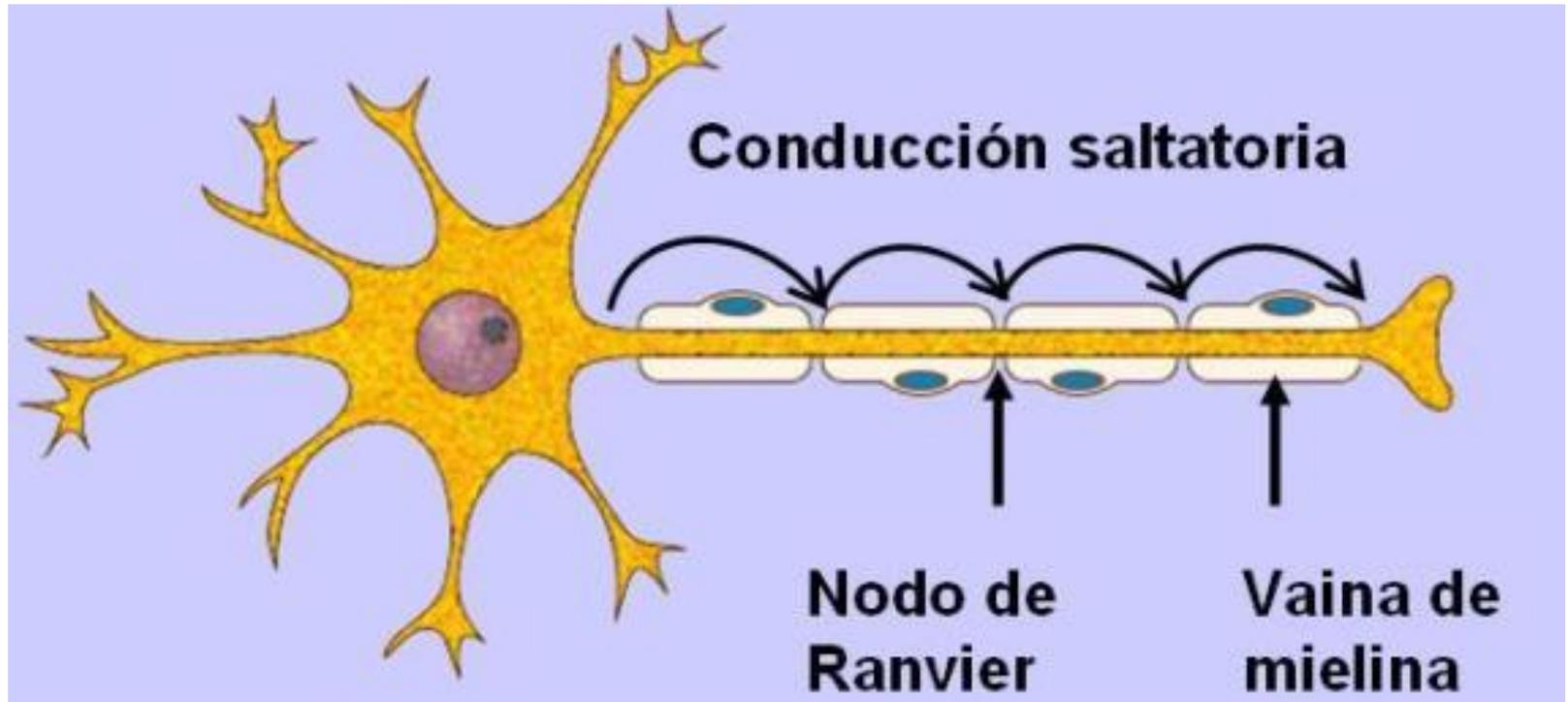


Núcleo de la c. de S.

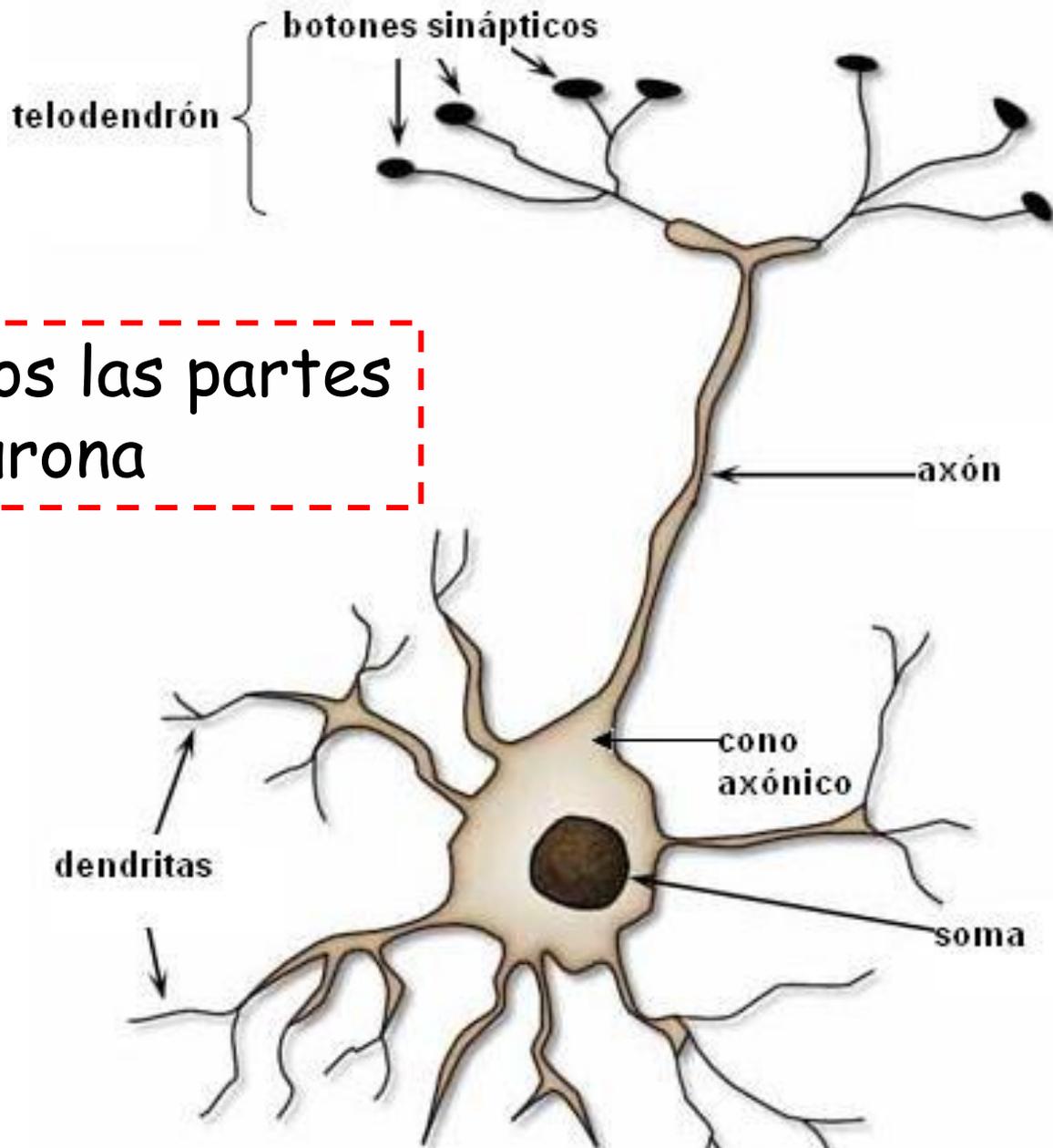
2

Axón **3**

Transmisión del impulso nervioso



La velocidad de conducción varía desde 0,25m/s en las fibras amielínicas más lentas hasta 200m/s en las fibras mielínicas más rápidas

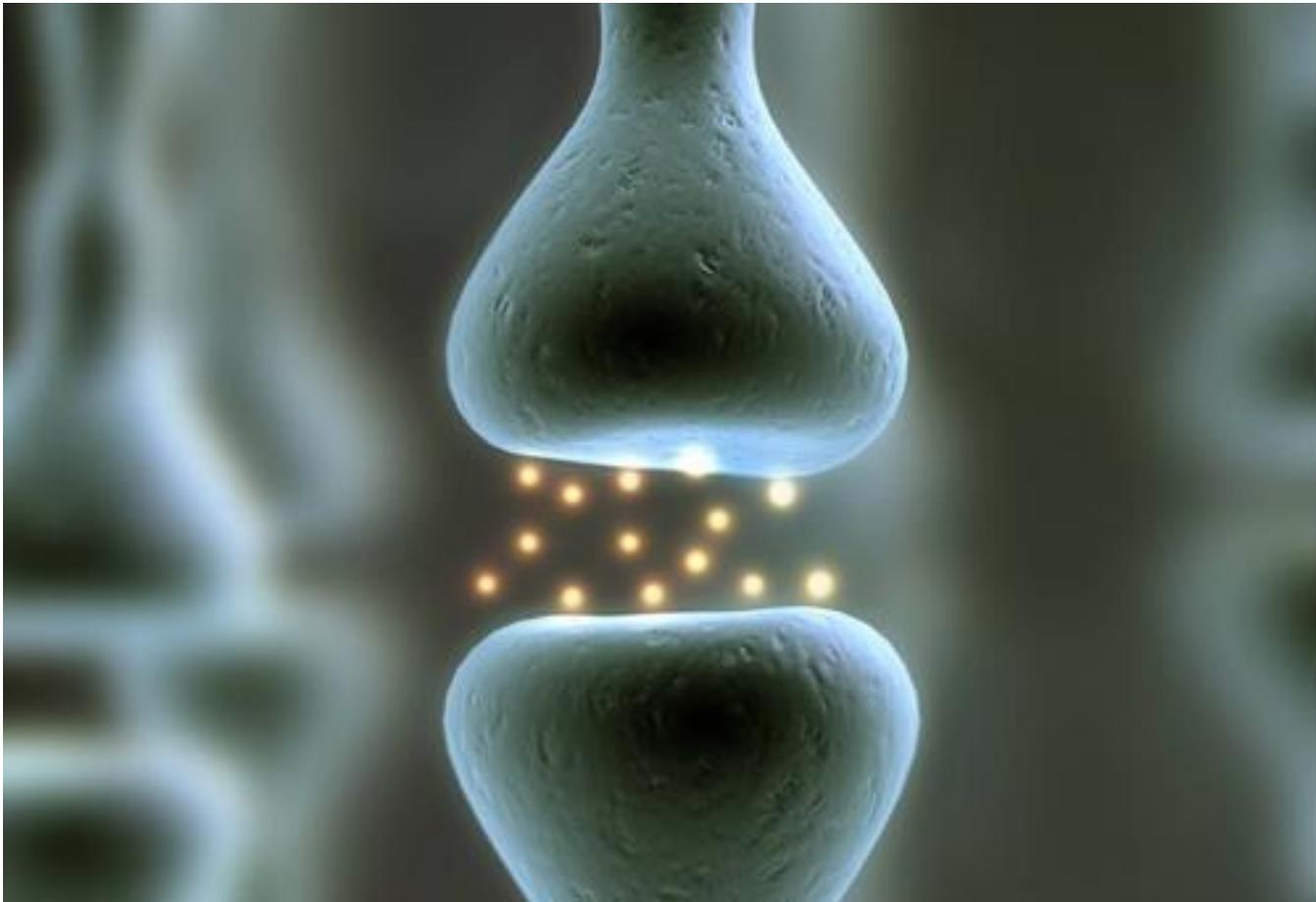


Recordemos las partes de una neurona

PARTES DE LA NEURONA (neurona motora típica)

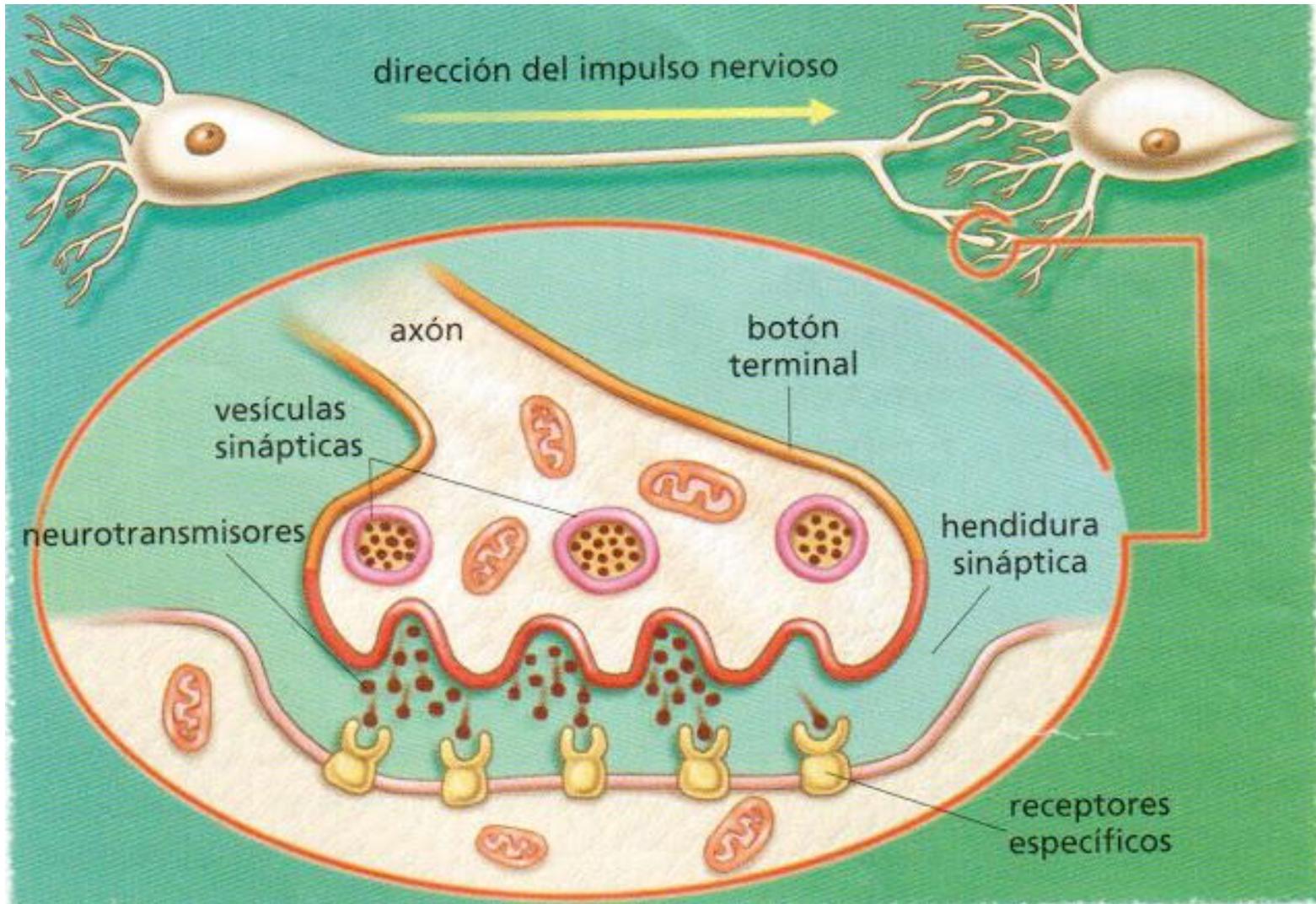
¿Cómo se transmite el impulso nervioso de una neurona a otra?

Mediante la sinapsis

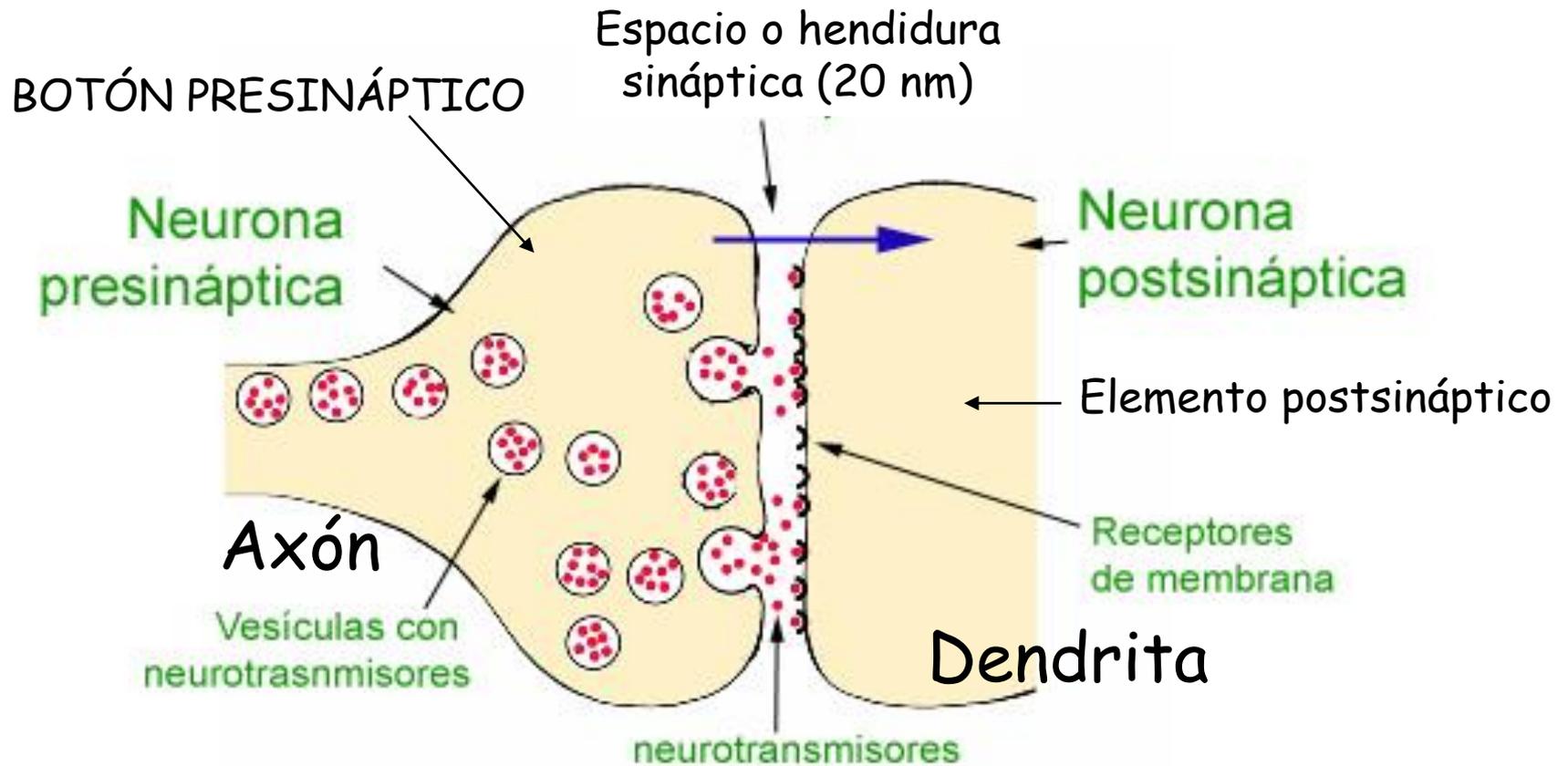




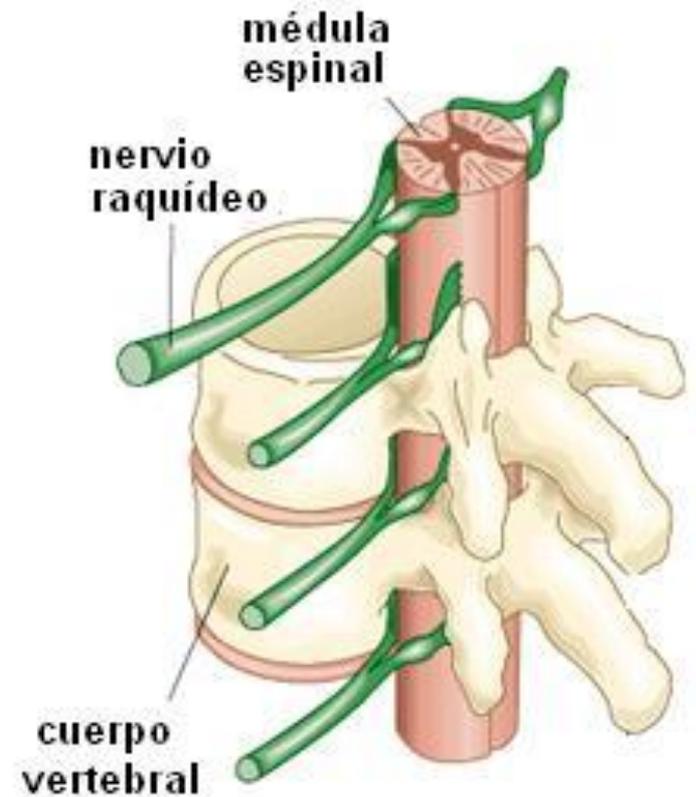
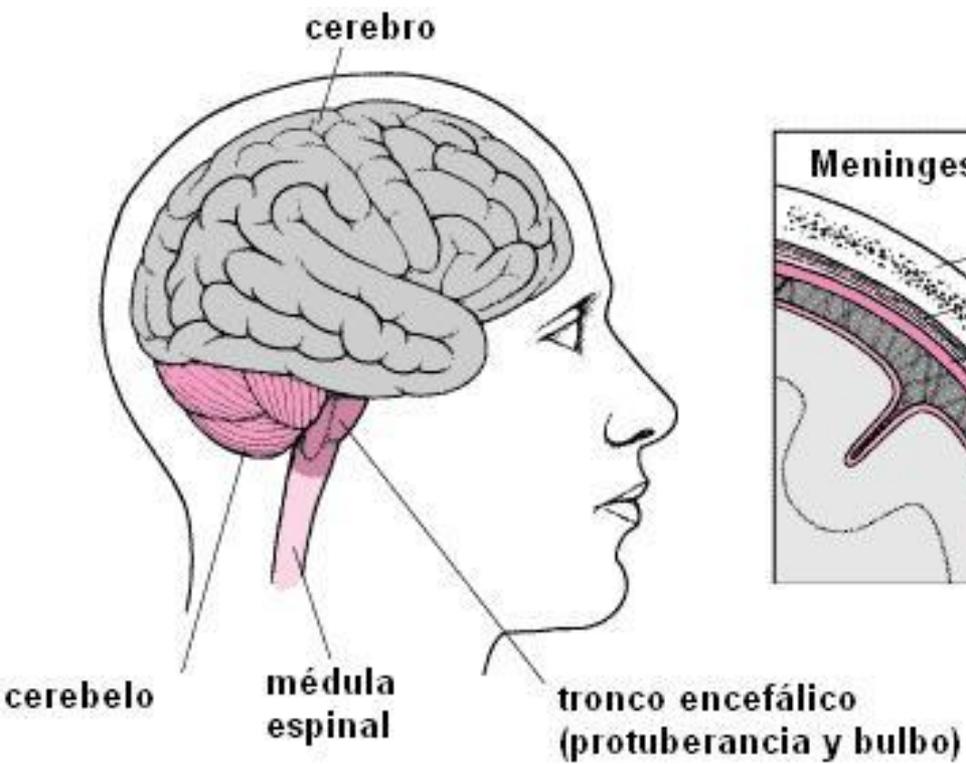
La sinapsis nerviosa



La sinapsis nerviosa



≡ ≈ 100.000 botones/neurona



Sistema nervioso central

SISTEMA NERVIOSO

SISTEMA N. CENTRAL

S. N. PERIFÉRICO

NERVIOS Y GANGLIOS

MÉDULA ESPINAL

ENCÉFALO

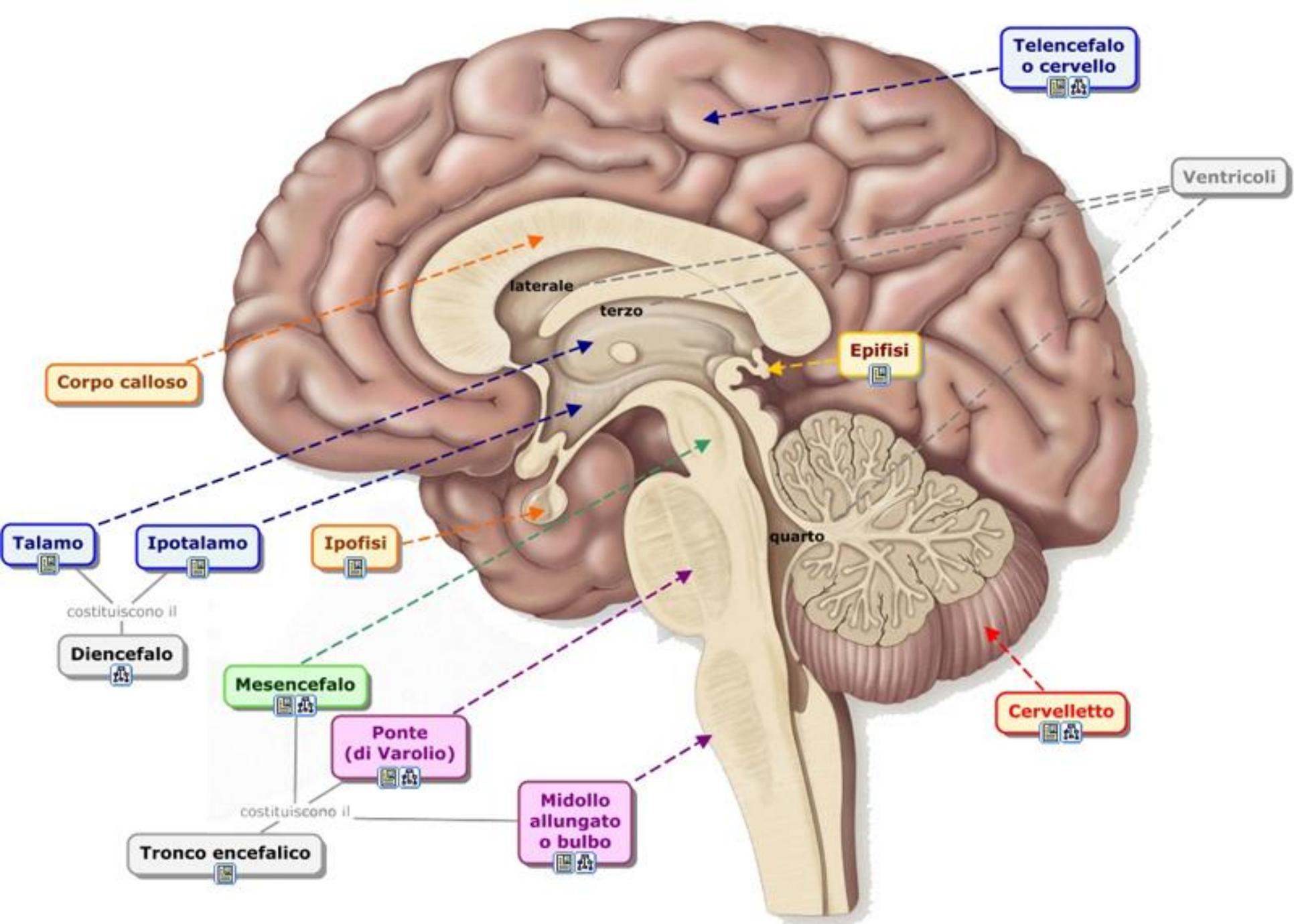
SENSORIAL

MOTOR

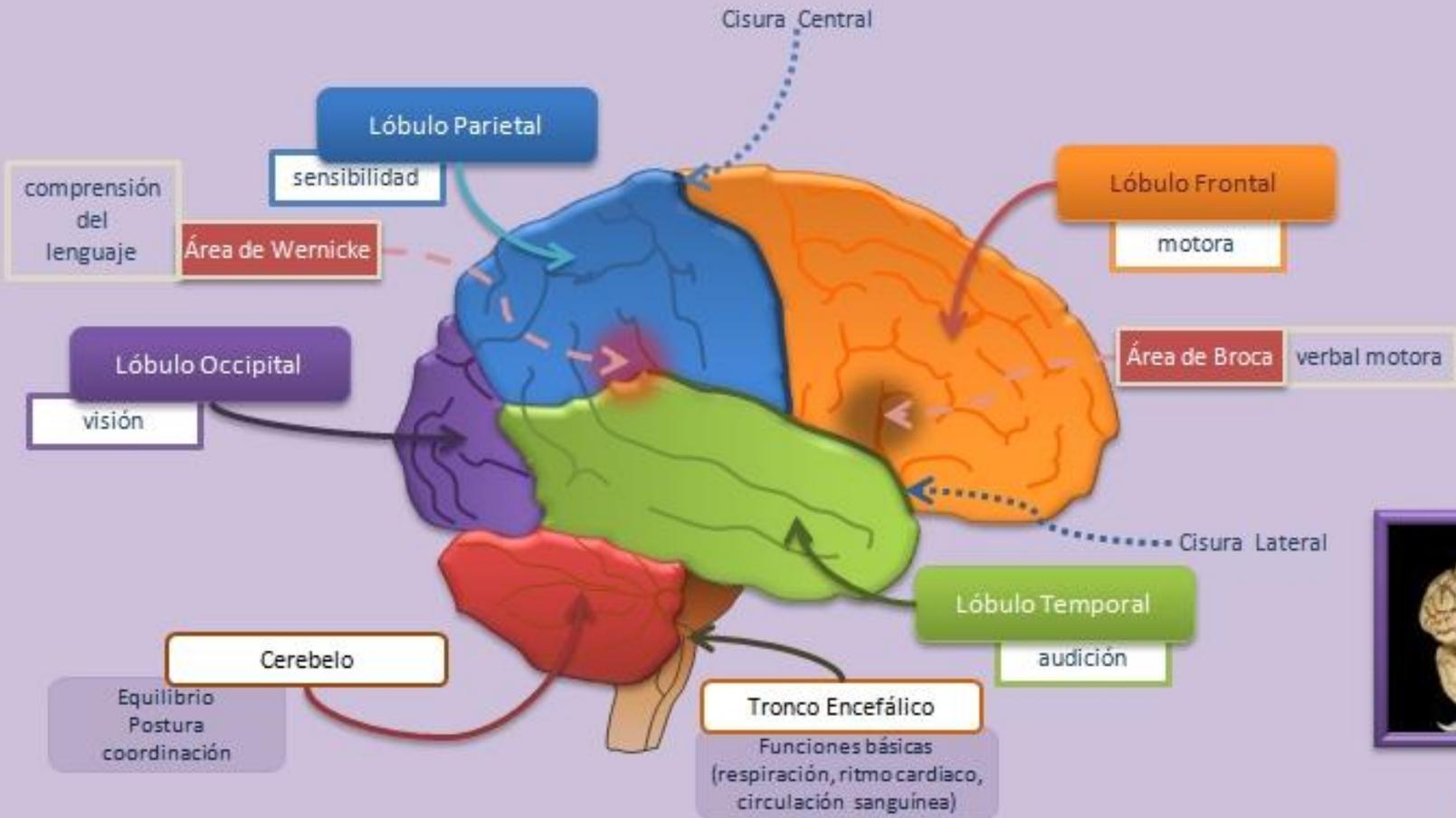
CEREBRO

CEREBELO

BULBO
RAQUÍDEO



El Encéfalo

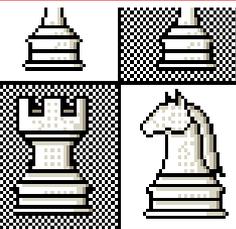




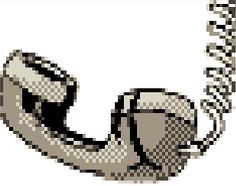
Lenguaje escrito

12345
12345
12345

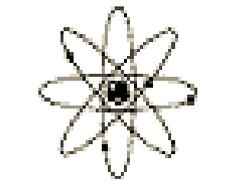
Habilidad numérica



Razonamiento



Lenguaje hablado



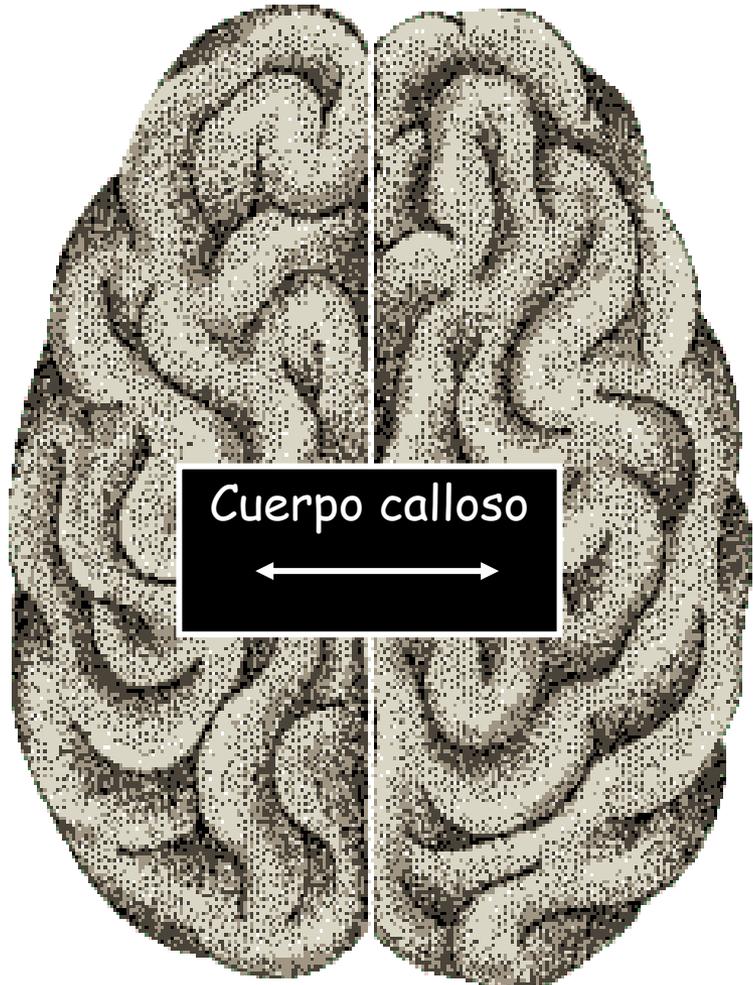
Habilidad científica



Control de la mano derecha

Funciones del hemisferio cerebral izquierdo

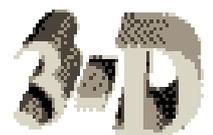
Funciones del hemisferio cerebral derecho



Cuerpo calloso



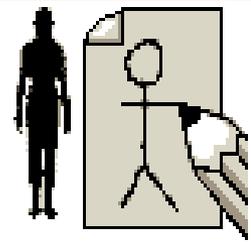
Perspicacia



Percepción tridimensional



Sentido artístico



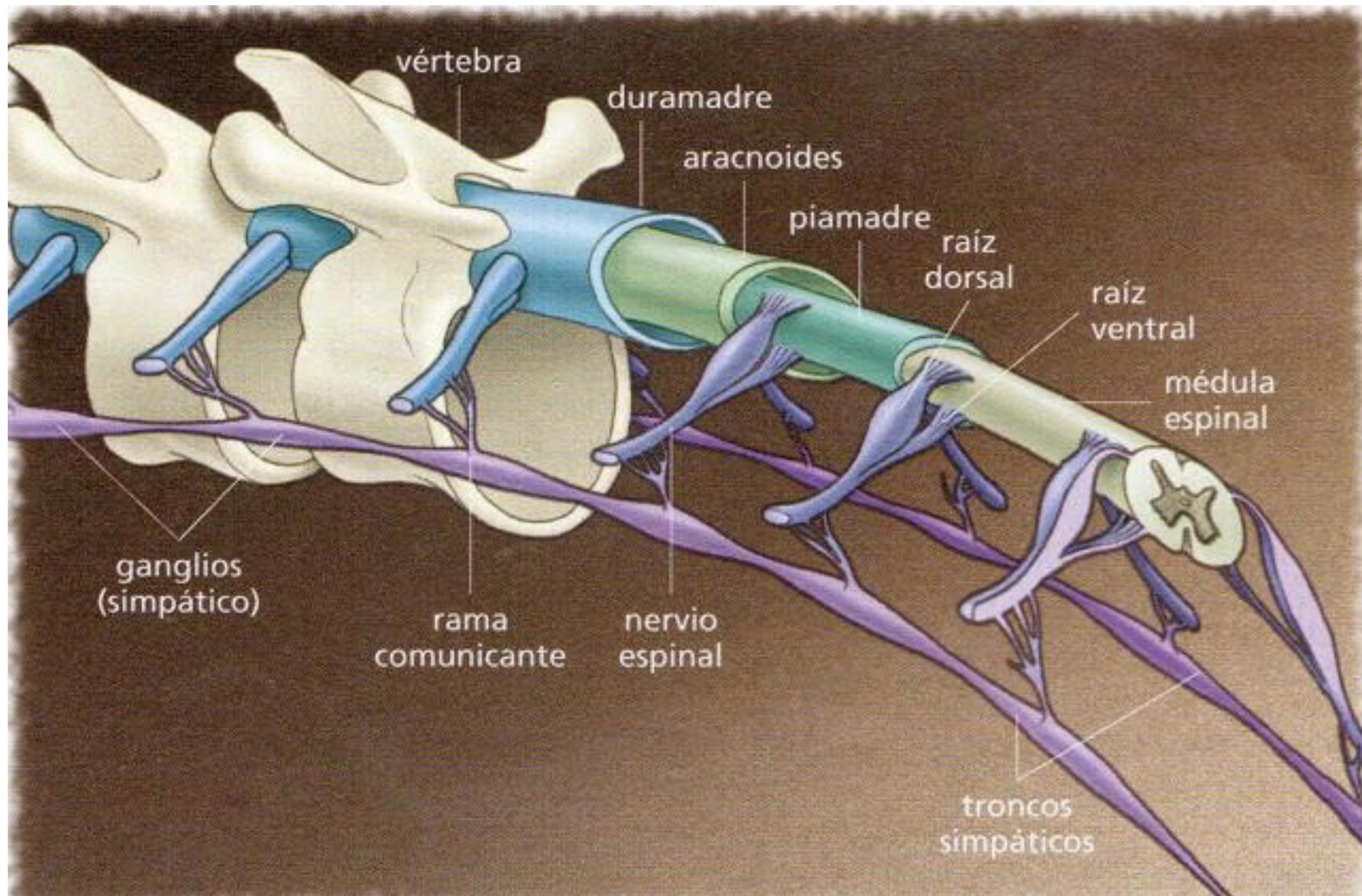
Imaginación

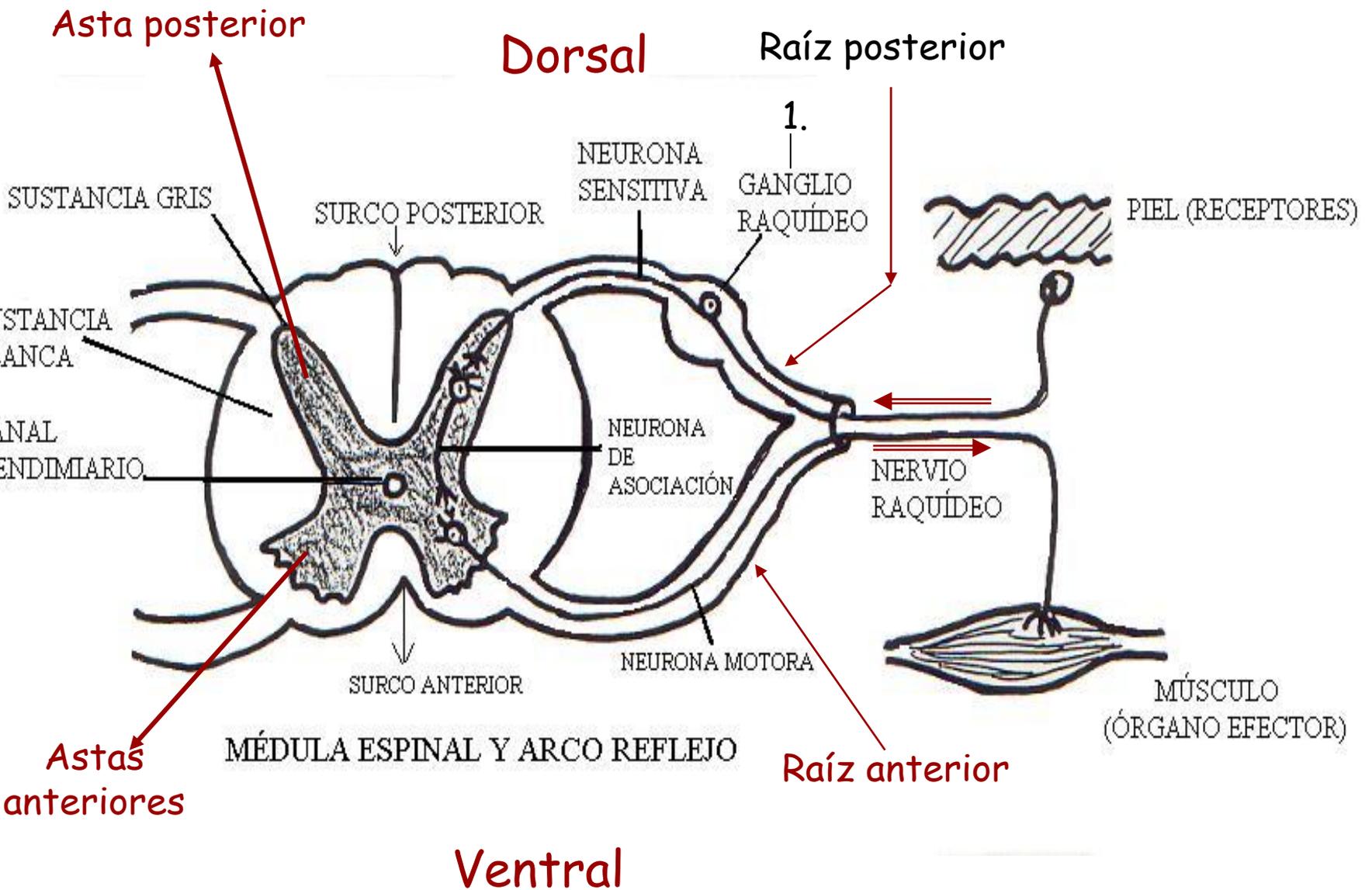


Control de la mano izquierda



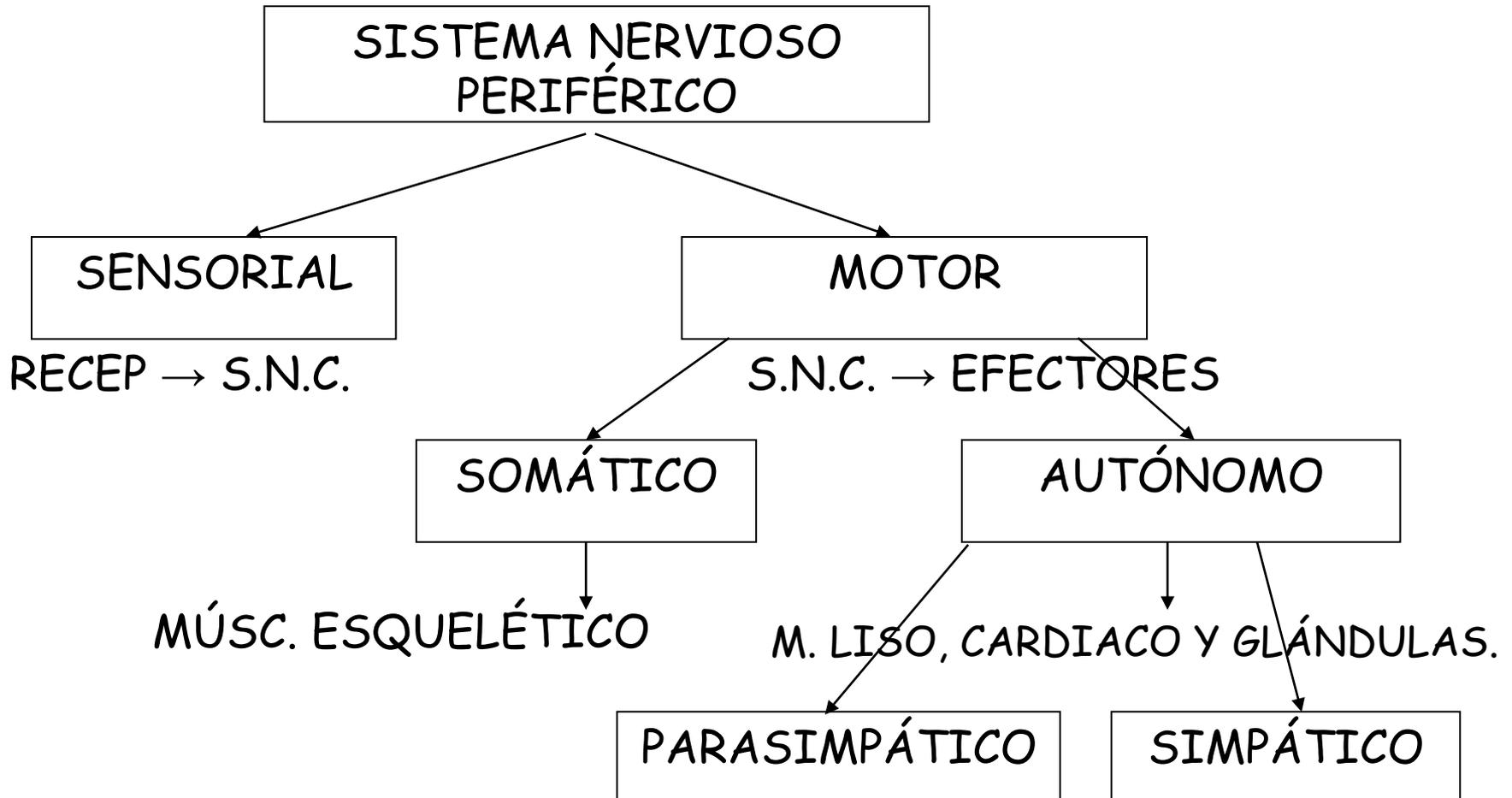
Sentido musical





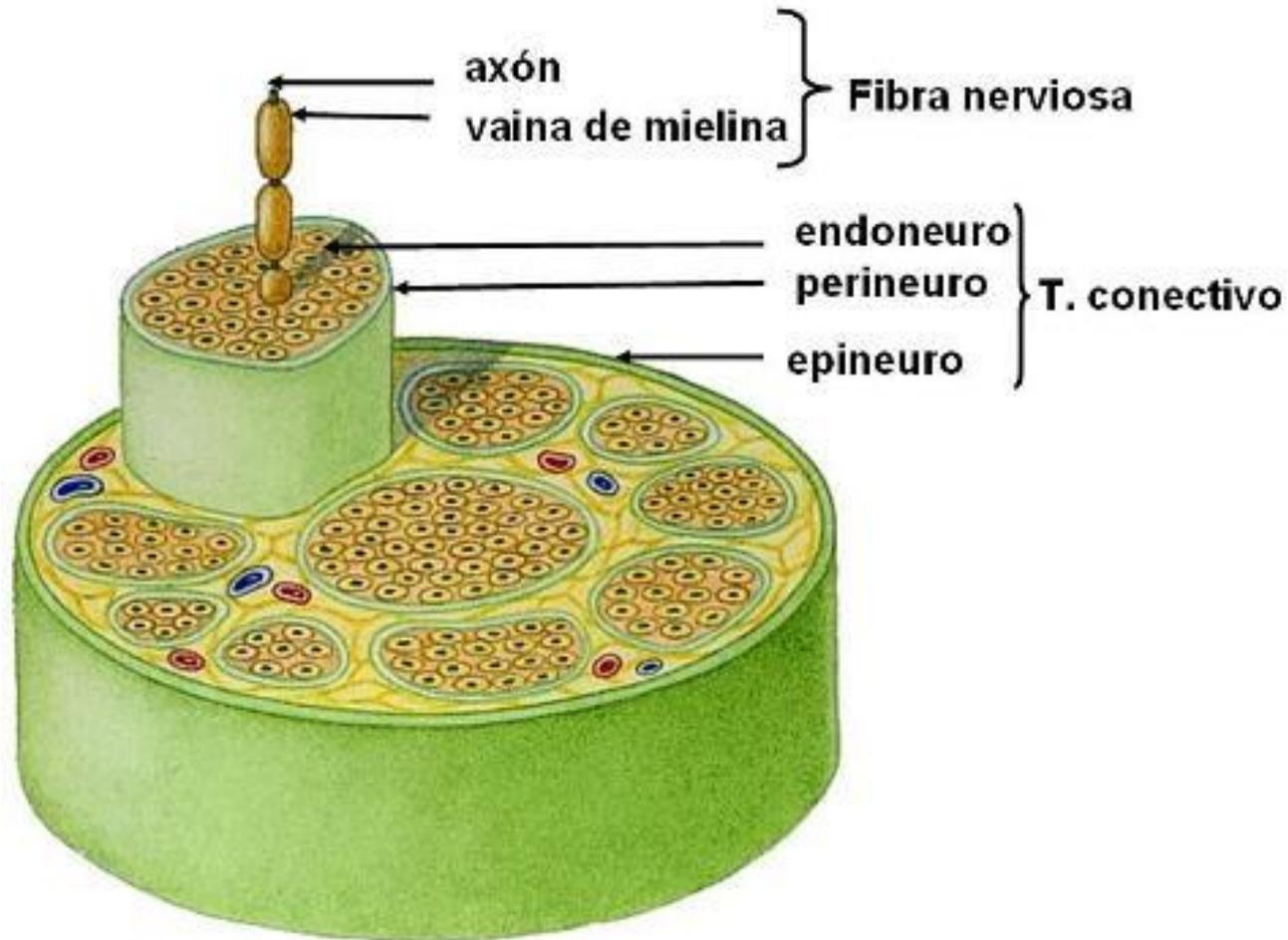
1. En el ganglio raquídeo reside el Soma de la N. sensitiva

SISTEMA NERVIOSO PERIFÉRICO



Los nervios (Sistema nervioso periférico)

ESTRUCTURA DE UN NERVI



SISTEMA NERVIOSO

