

A fluorescence microscopy image of neural tissue. The image shows a dense network of fibers and cells. Some fibers are stained red, while others are stained green. The background is black. The text 'Glia' is centered in the image.

Glia

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Glia sejtek a központi idegrendszerben

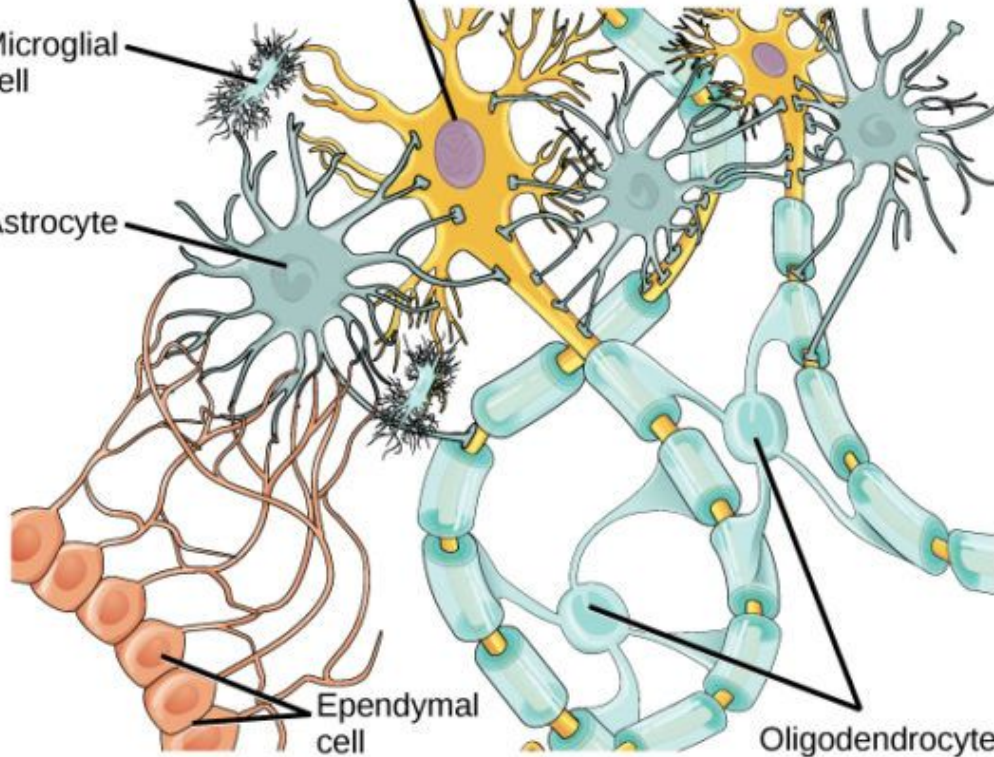
Neuron – glia arány 1:1

Multipolar neuron

100 billió glia

Microglial cell

Astrocyte



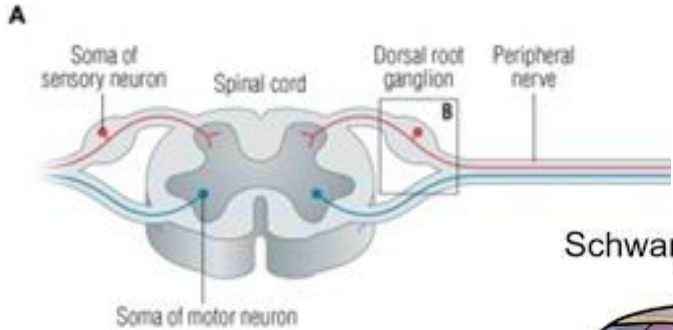
- ependyma
- astrocyta
- oligodendroglia
- *Neuron glia antigén 2(NG-2)*
/ oligodendroglia prekursor
- mikroglia

(a) Central nervous system

J Comp Neurol. 2016 December 15; 524(18): 3865–3895. doi:10.1002/cne.24040

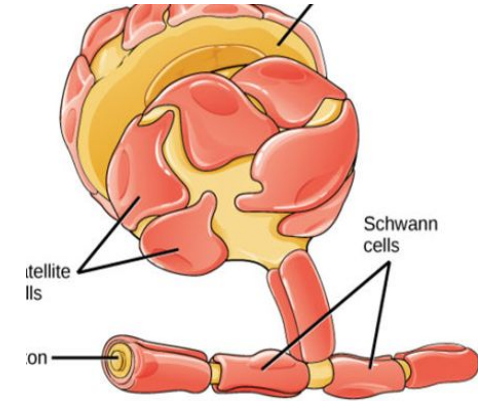
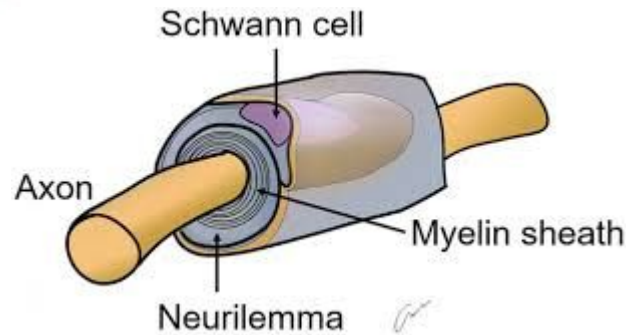
Különböző központi idegrendszeri területek glia sejt összetétele, funkciója a hasonlatosságok mellett, területtől és fajtól függően jelentős különbségeket mutat! (A gerincvelő gliasejtjei mutatják a legmarkánsabb különbségeket.)

Glia sejtek a perifériás idegrendszerben

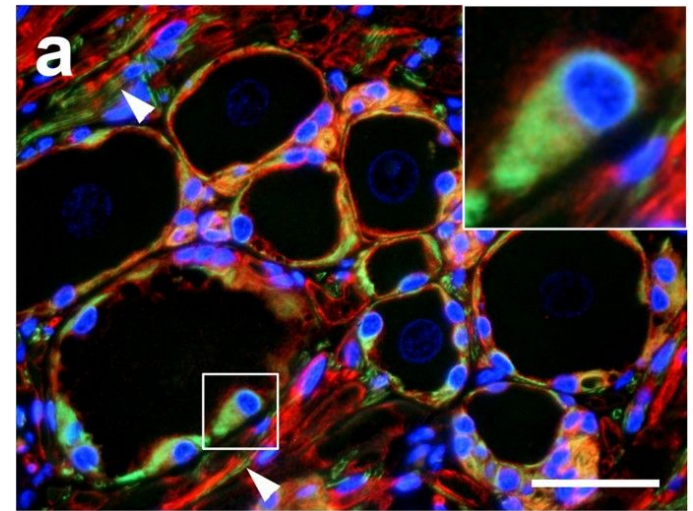
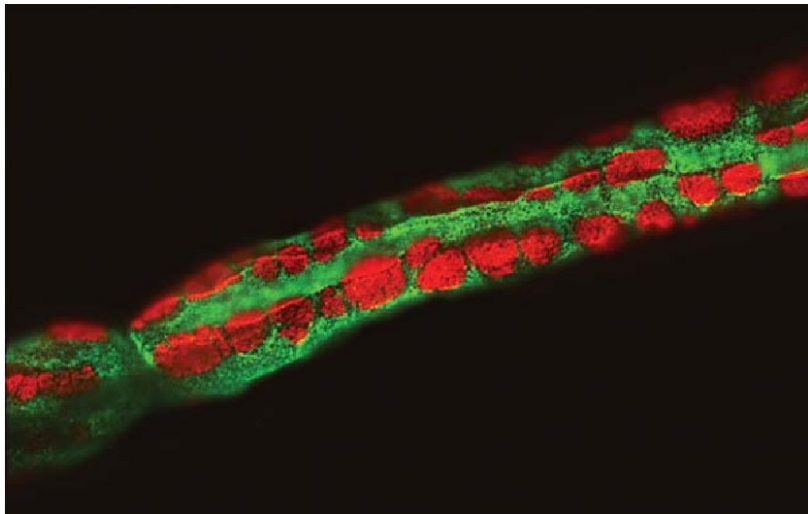


Satellita sejt

Schwann sejt

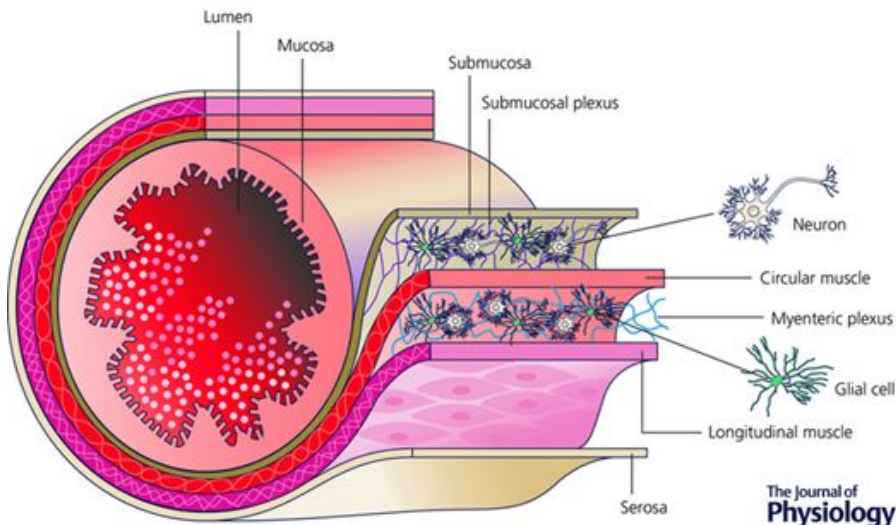


(b) Peripheral nervous system

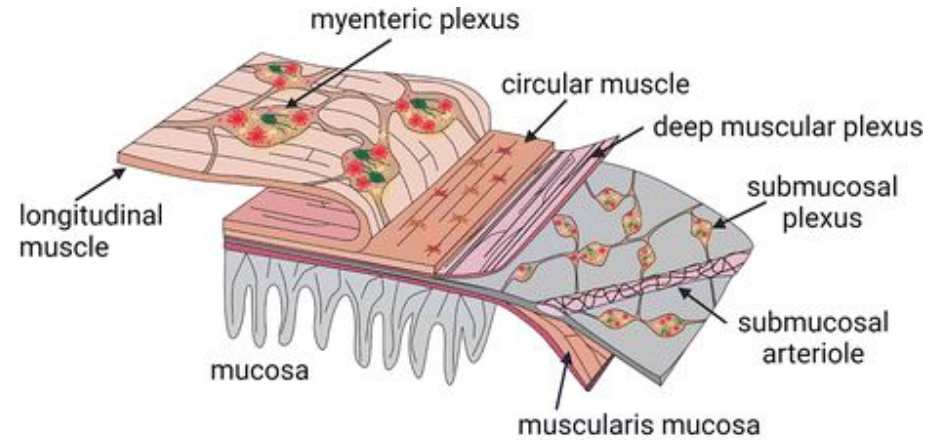








Glia sejtek a perifériás idegrendszerben

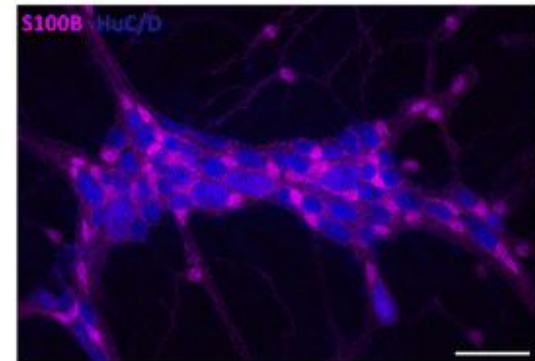
Enterális glia



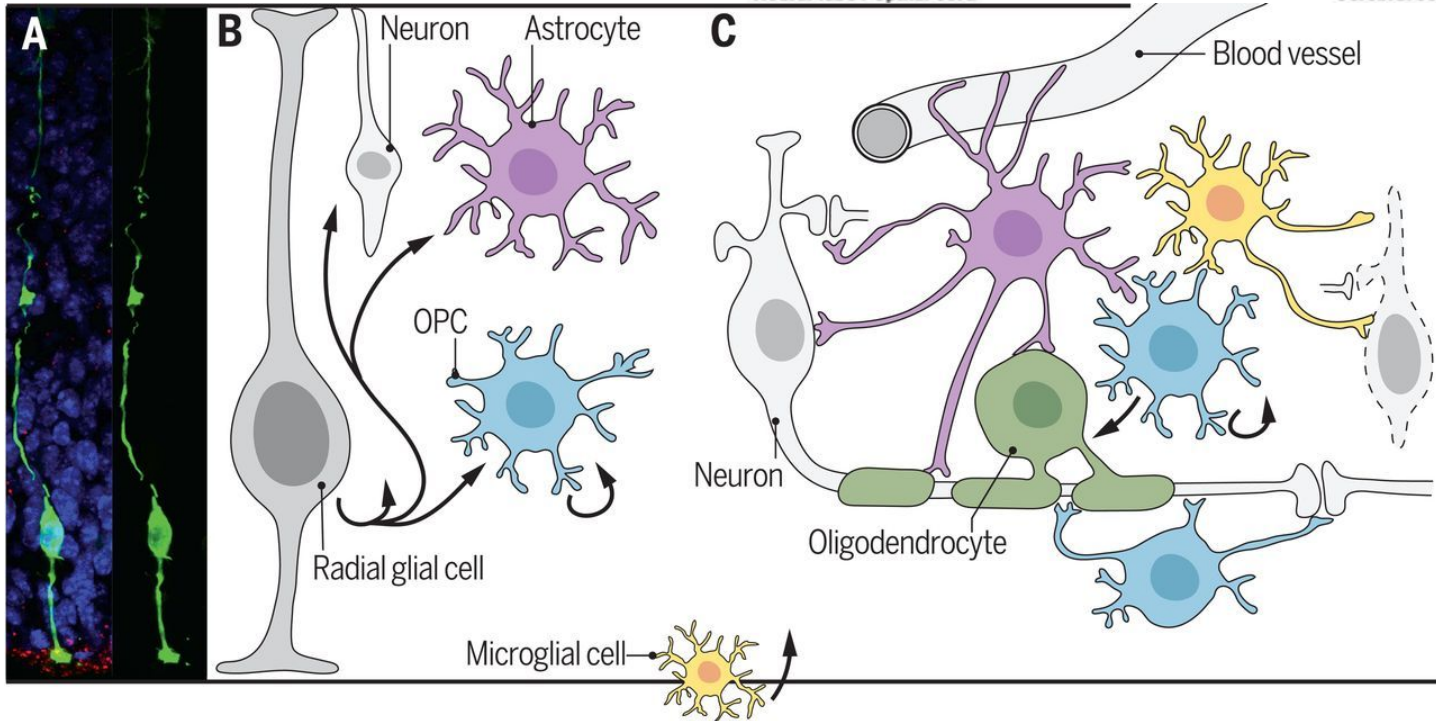
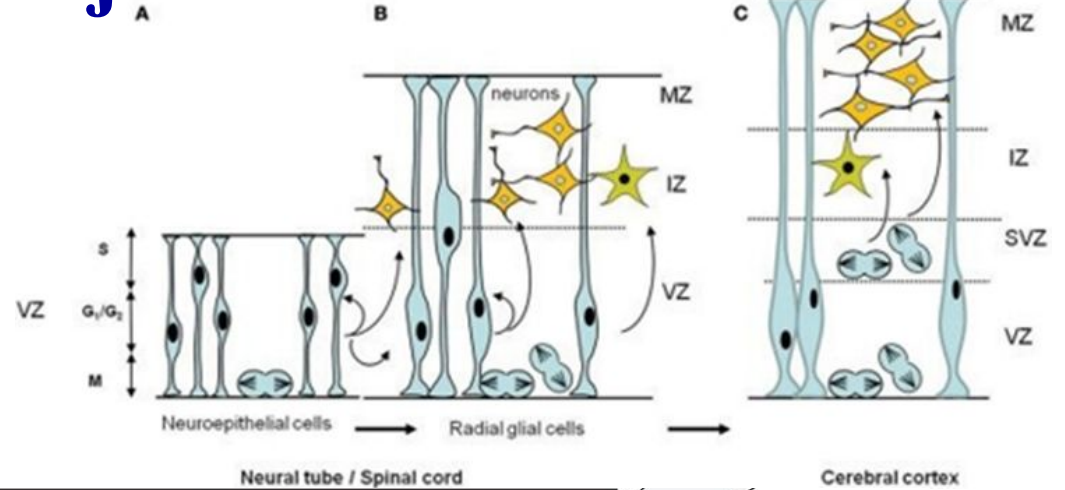
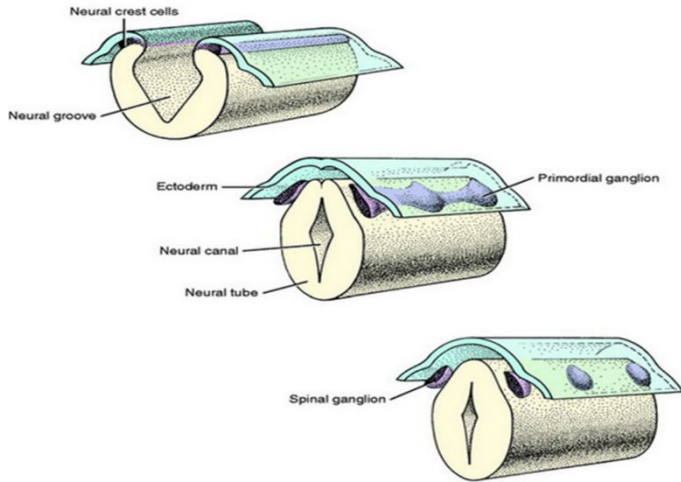
The Journal of Physiology



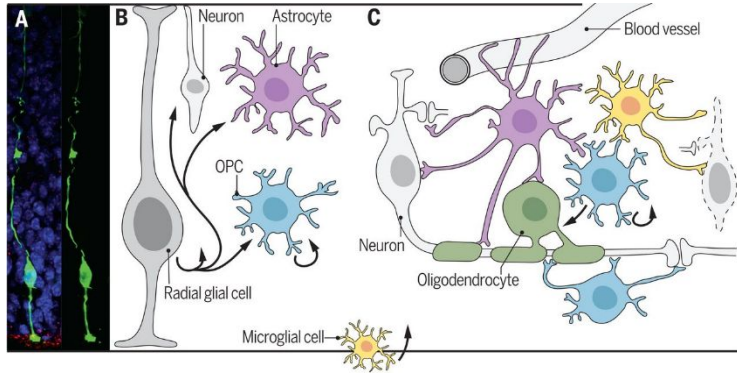
	Enteric motor or interneuron		Intrinsic primary afferent neuron		Enteric glia
	Macrophage		PDGRFa cell		Interstitial cell of Cajal



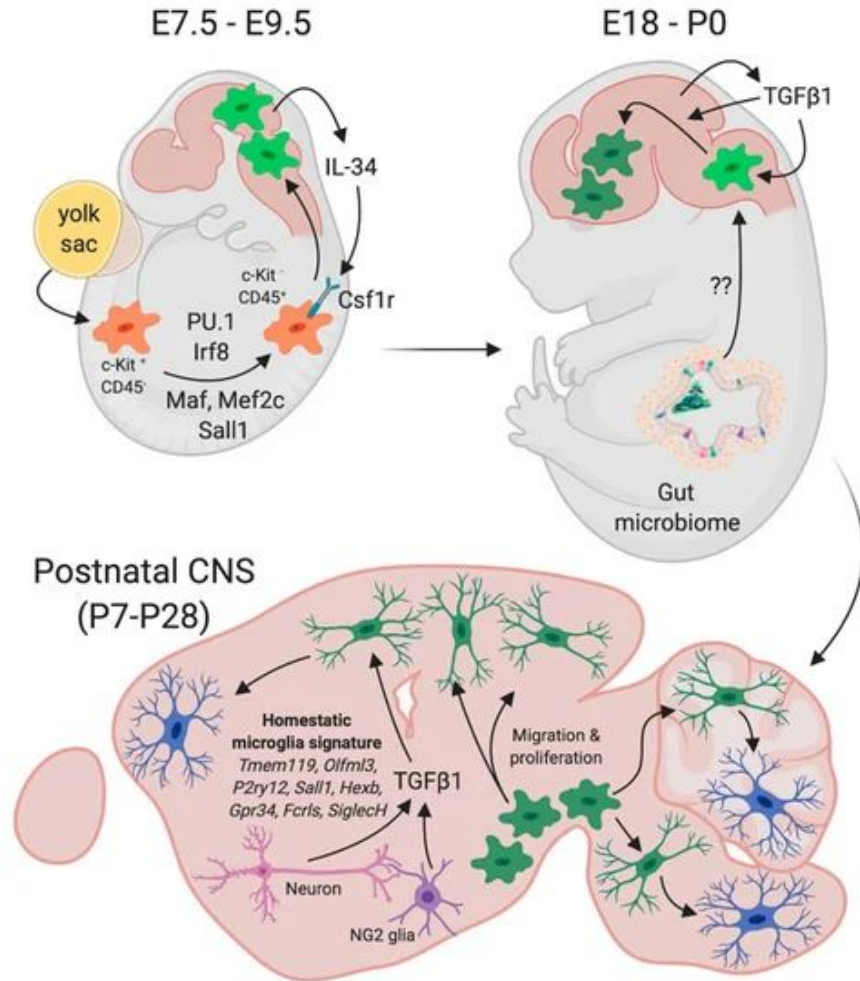
Astrocyta, oligodendroglia és ependyma fejlődése



Mikroglia fejlődése

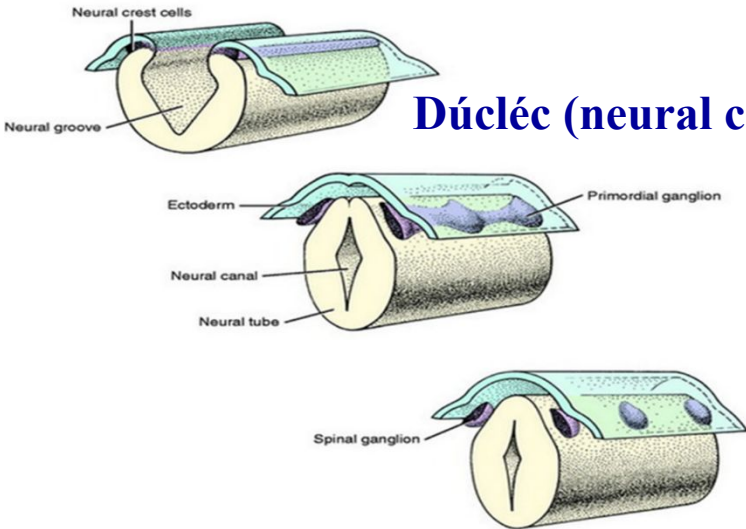


A szikhólyag falában lévő vérszigetekben (erythromyeloid prekursor sejtekből) keletkezik és vándorol a fejlődő idegrendszerbe. Osztódik és differenciálódik mikrogliává.

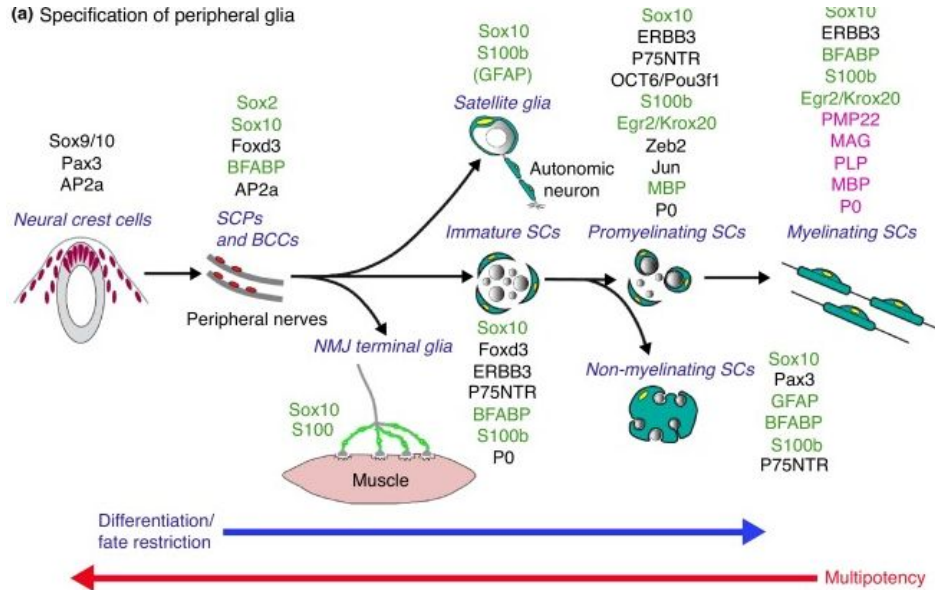


Schwann sejt, satellita sejt és enteralis glia fejlődése

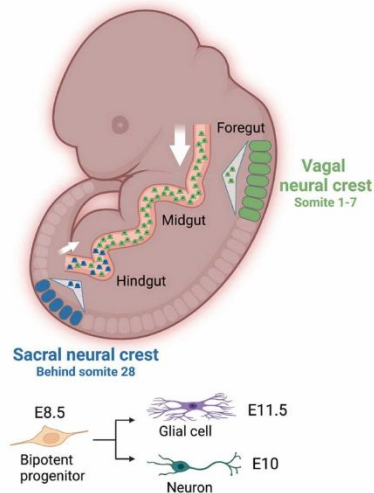
Dúcléc (neural crest)



(a) Specification of peripheral glia



A Prenatal development E8.5 - E14.5



B Postnatal development P0 - adulthood

