

Glia

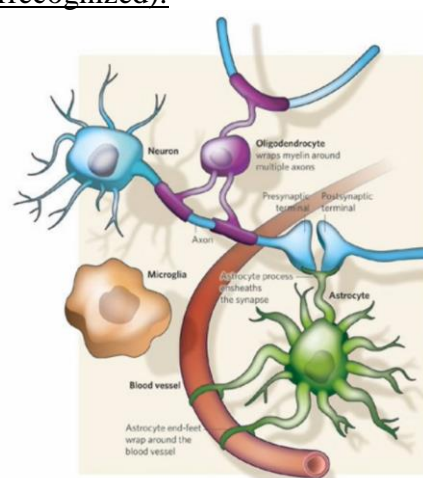
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ROSENTHAL fibers – “junk” in cytoplasm of astrocytes.

Glia is 9-fold more abundant than neurons (glia role is underrecognized):

NEURAL CELLS	NEURONS		
	GLIA (90% OF NEURAL CELLS)		
	MICROGLIA	ASTROCYTES	OLIGODENDROCYTES
	<ul style="list-style-type: none"> • Immune cells • Survey for damage and infection 	<ul style="list-style-type: none"> • Regulate neurotransmission • Blood-brain barrier • Homeostasis 	<ul style="list-style-type: none"> • Produce myelin which wraps around axons • Similar to Schwann cells

- ✓ Close connection with neurons
- ✓ Impact on neuronal excitability



Allen NJ, Barres BA. Neuroscience: Glia - more than just brain glue. Nature. 2009 Feb 5;457(7230):675-7.

BIBLIOGRAPHY for ch. “General Histology, Myelination, BBB” → follow this [LINK >>](#)

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