

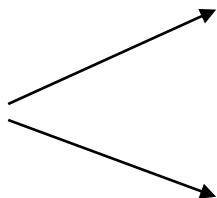


Nerve tissue

- Neurons

CNS: oligodendrocytes, astrocytes,
ependymal cells, microglia

- Glial cells

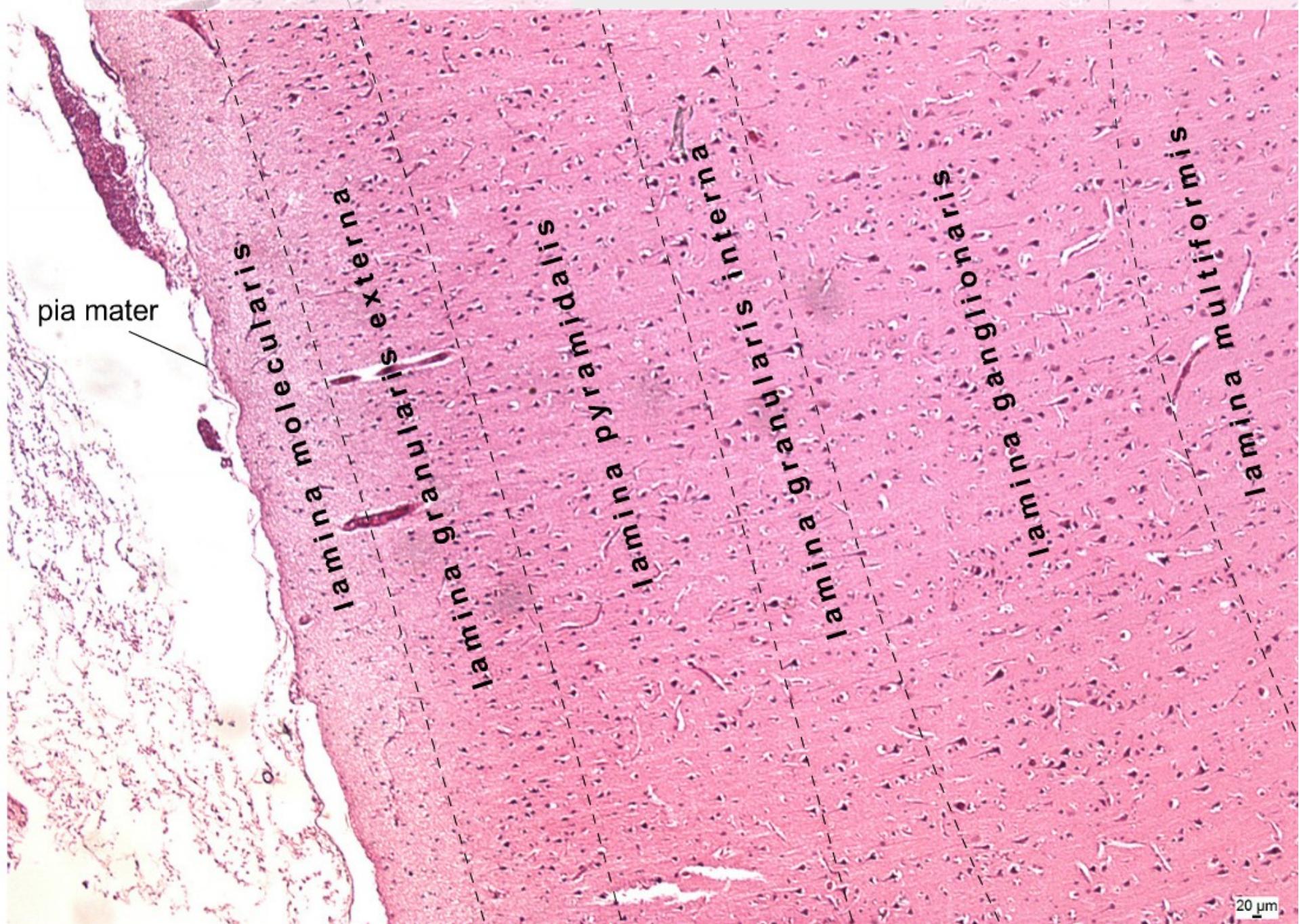


PNS: satellite cells, Schwann's
cells

Synapse

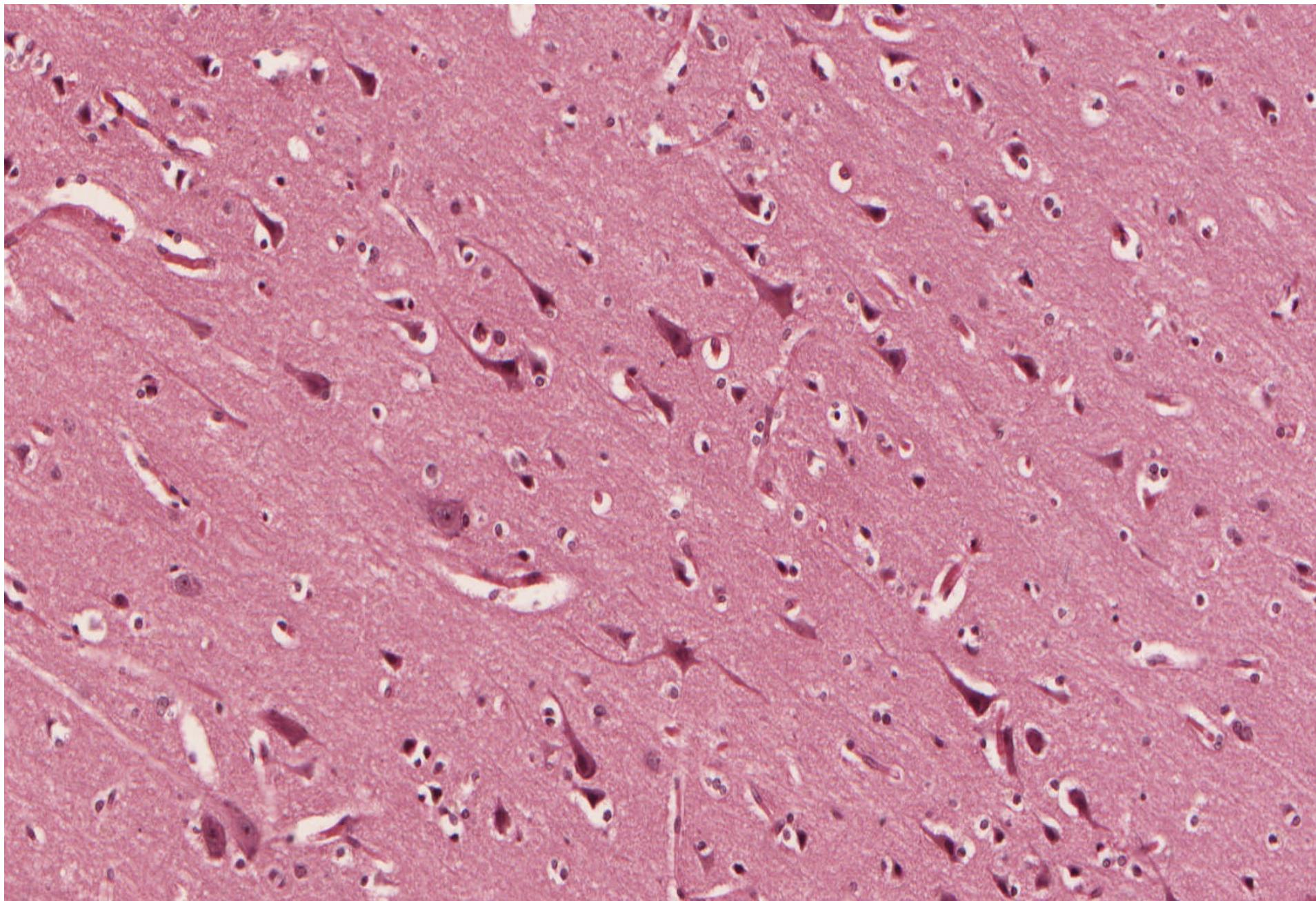
Myelin sheath

Cortex cerebri

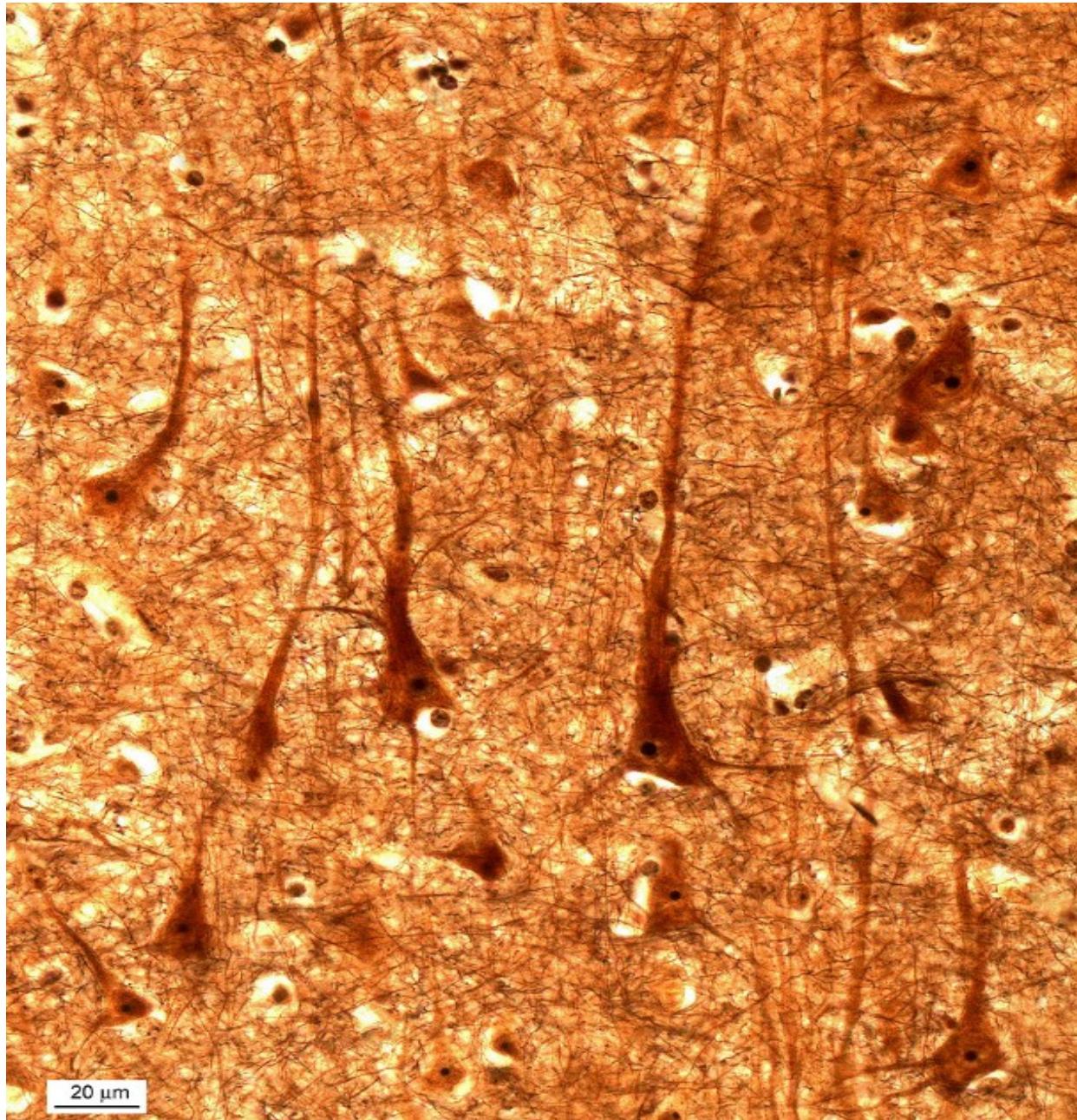


20 μ m

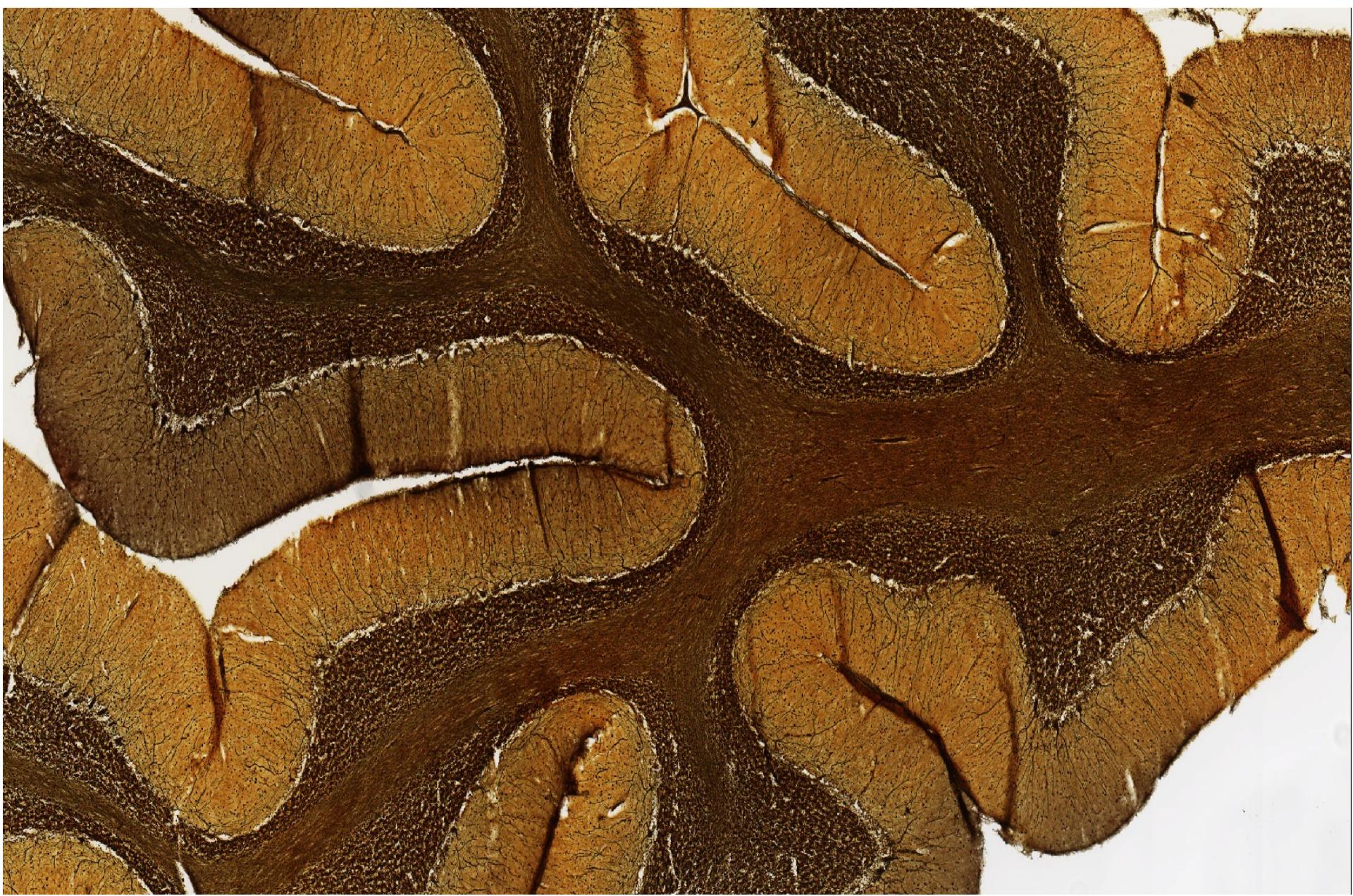
Cortex cerebri – Pyramidal cells – multipolar neurons



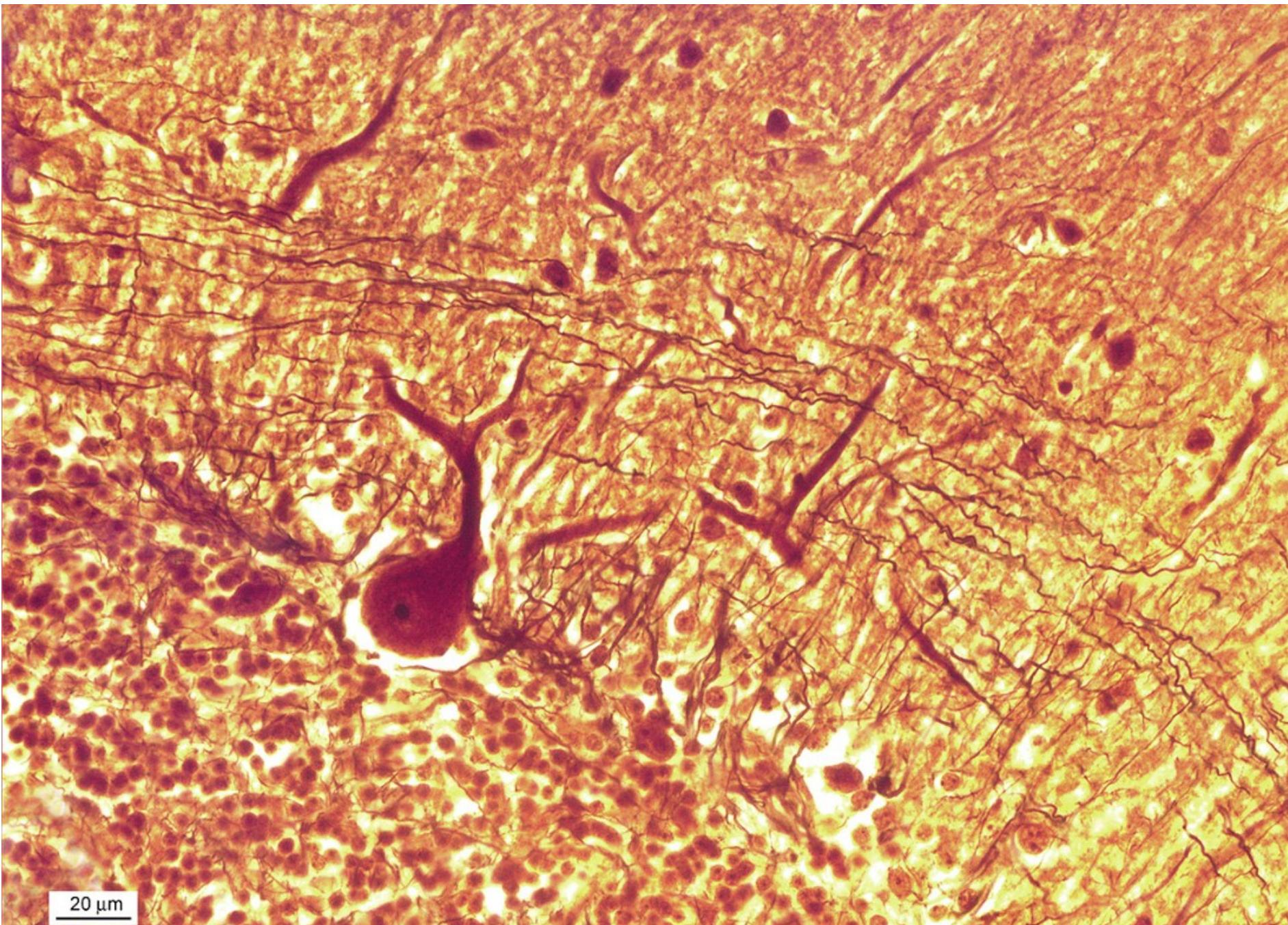
Cortex cerebri – Pyramidal cells – multipolar neurons



Cerebellum

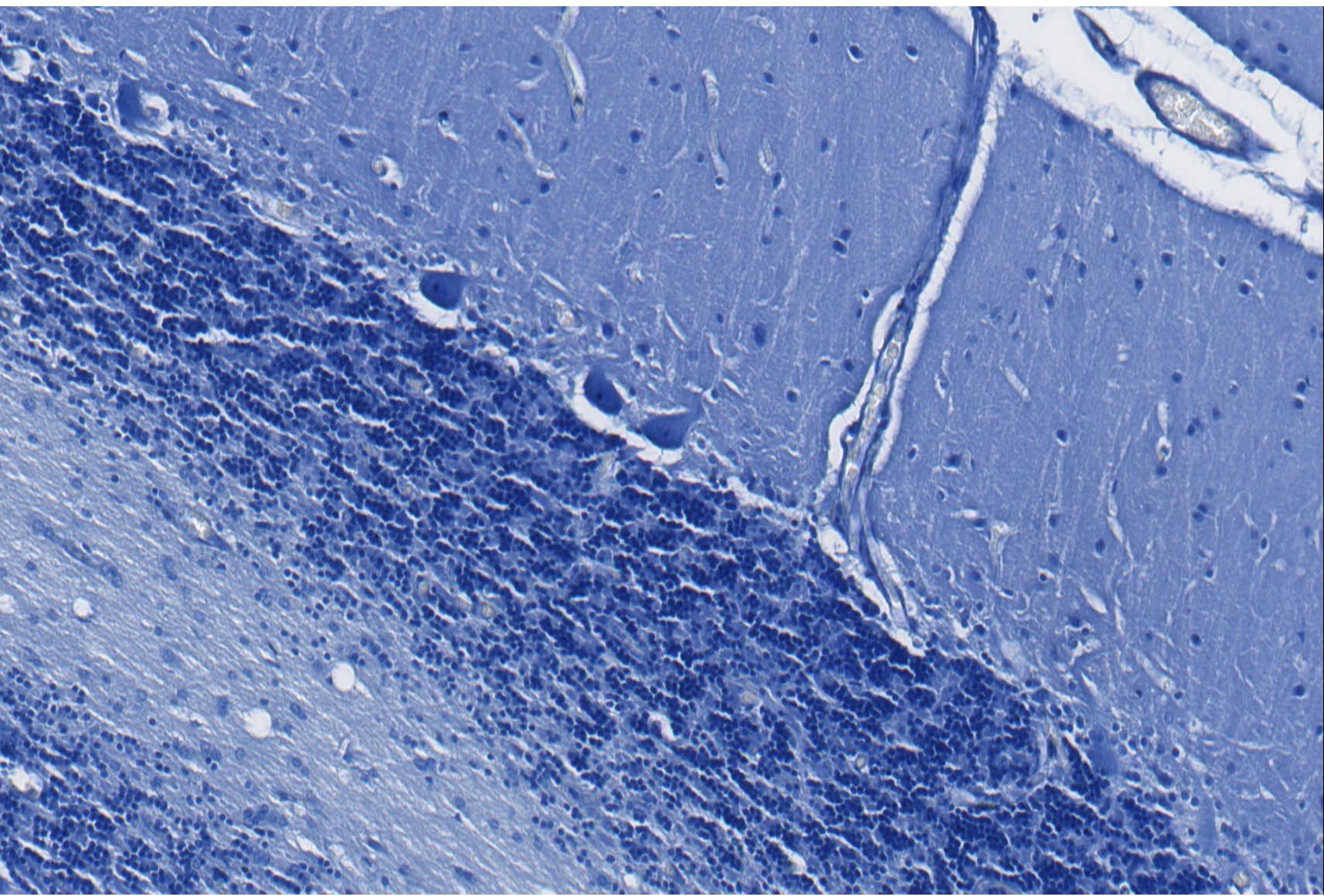


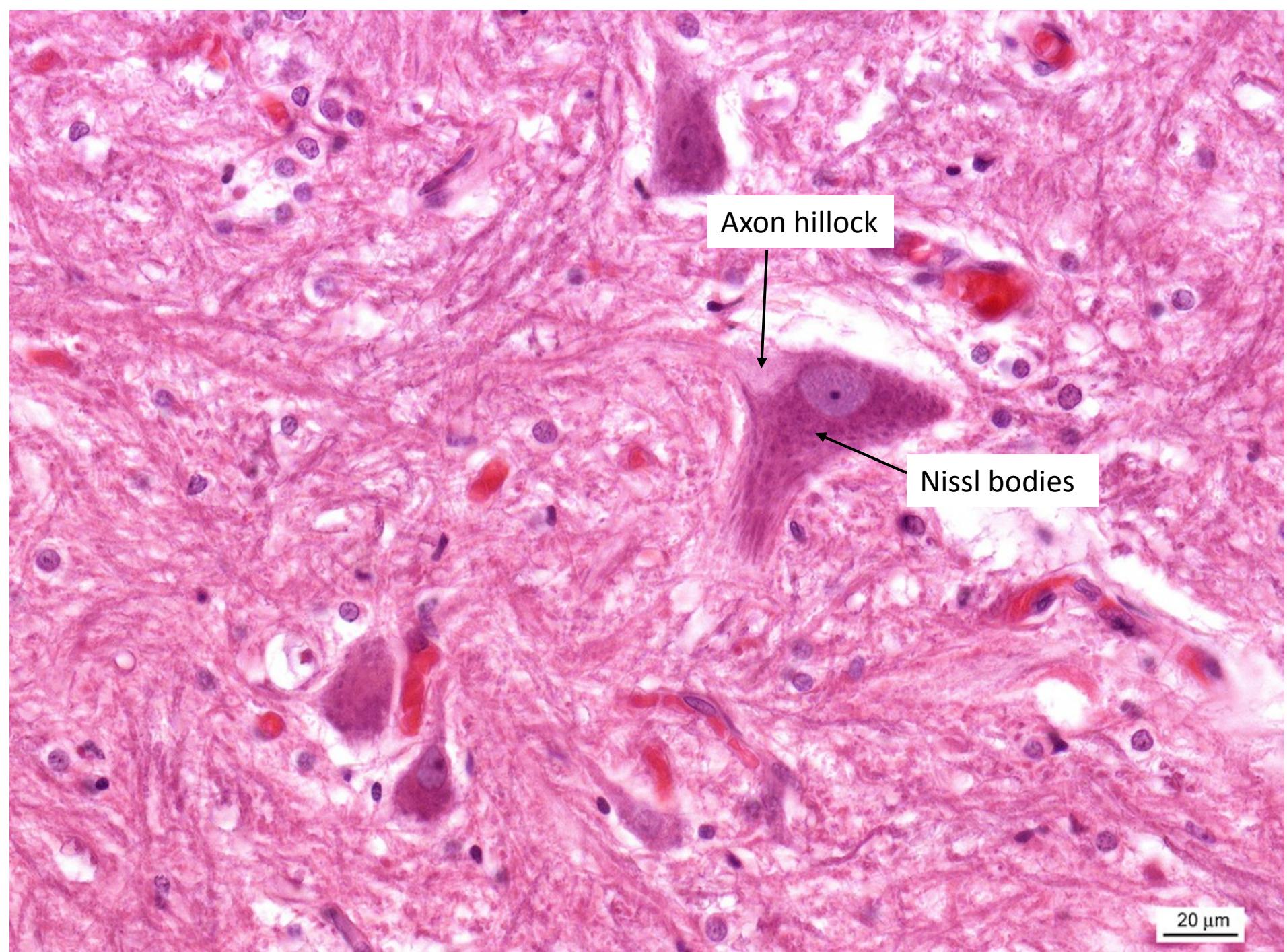
Cerebellum – Purkinje cell



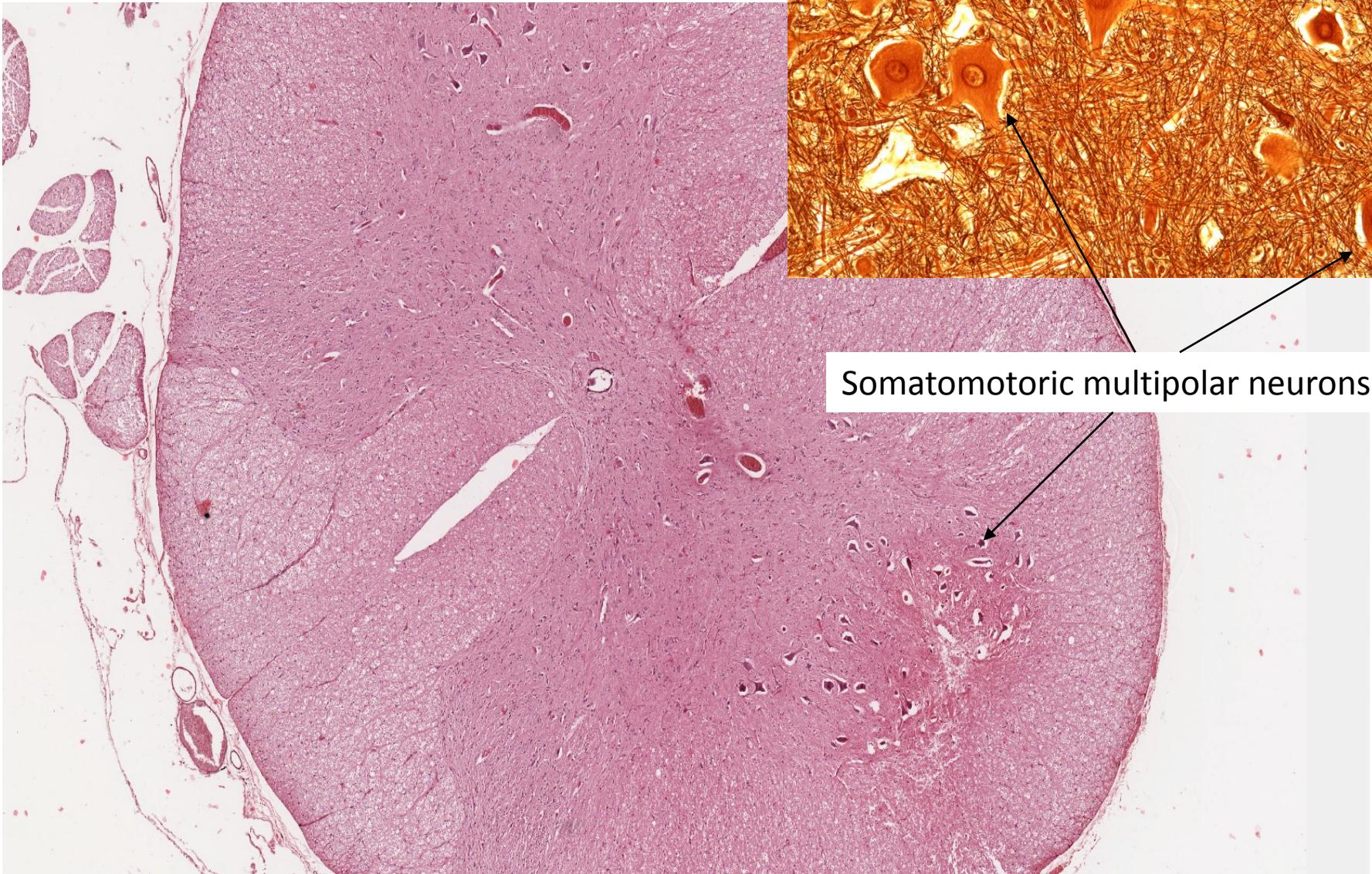
20 μm

Cerebellum - Nissl bodies



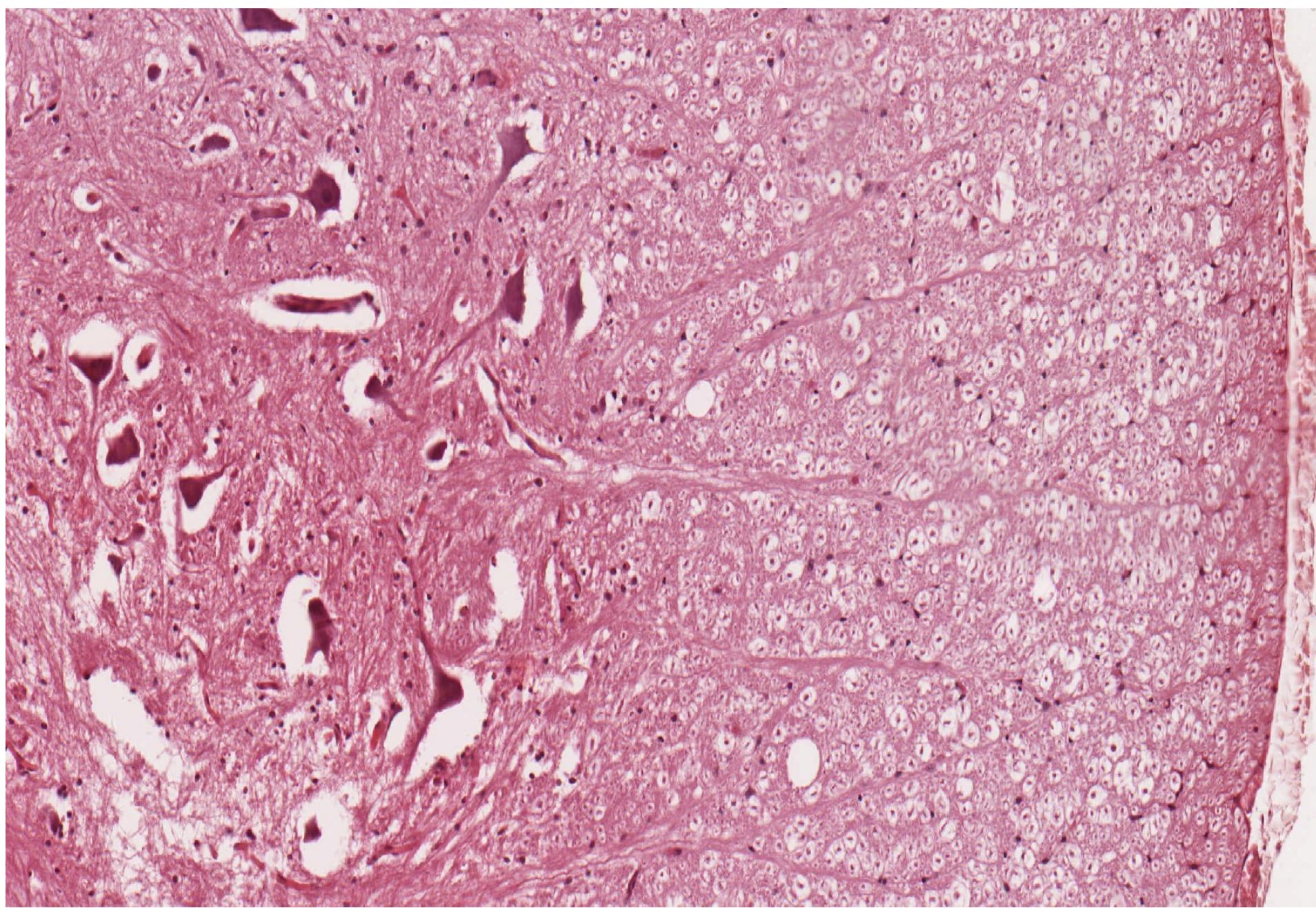


Medulla spinalis

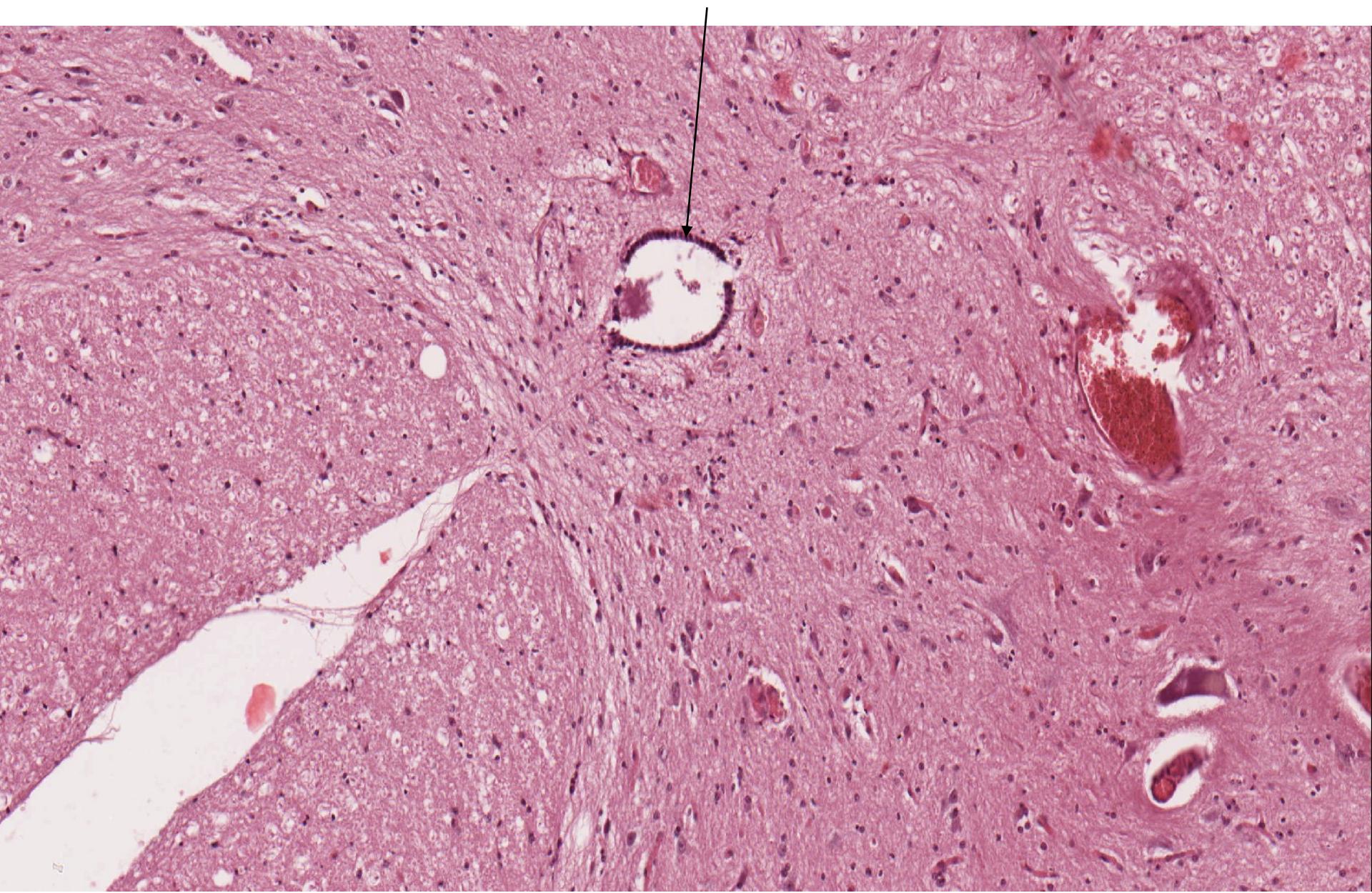


Somatotomotoric multipolar neurons

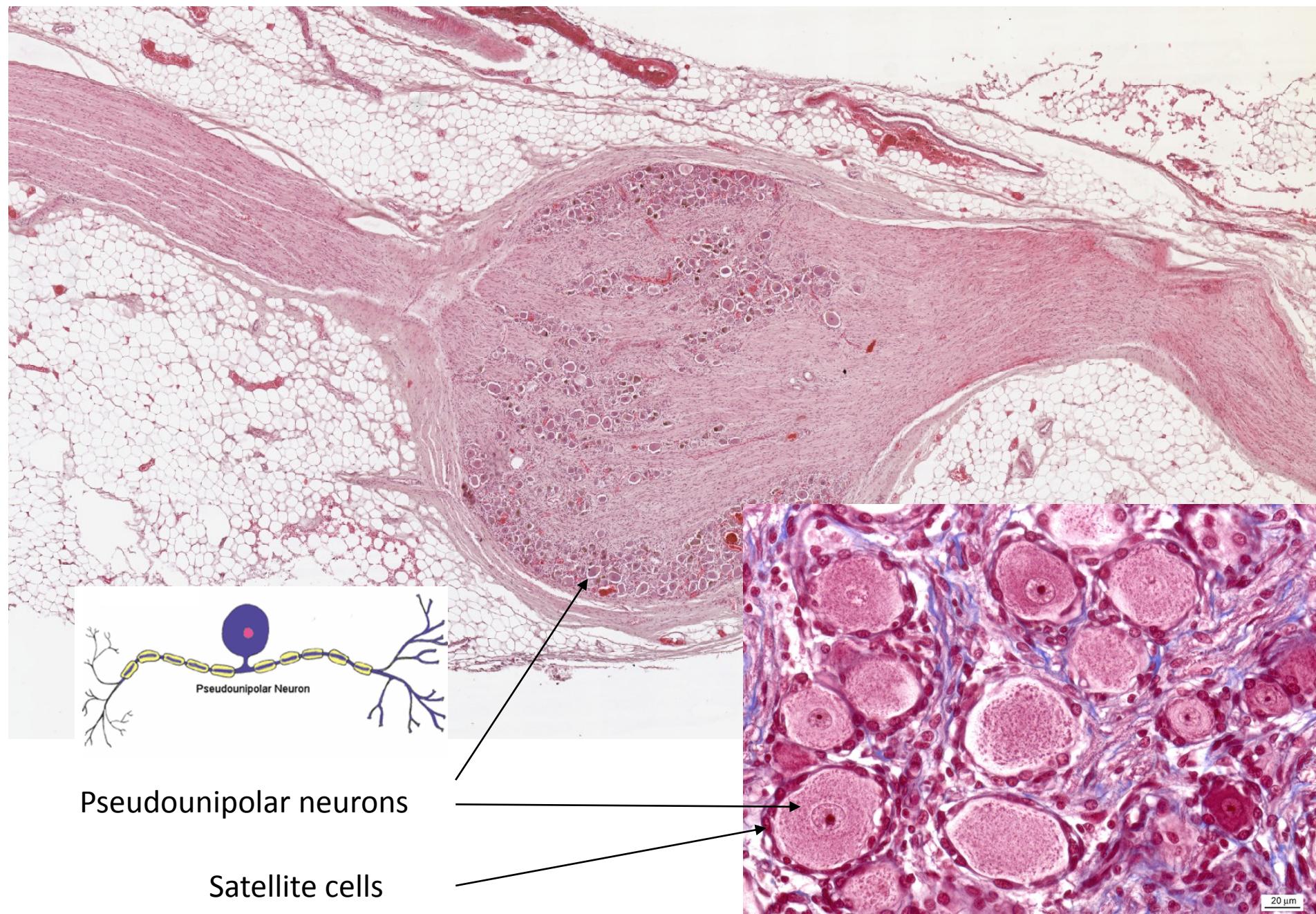
Myelinated axons



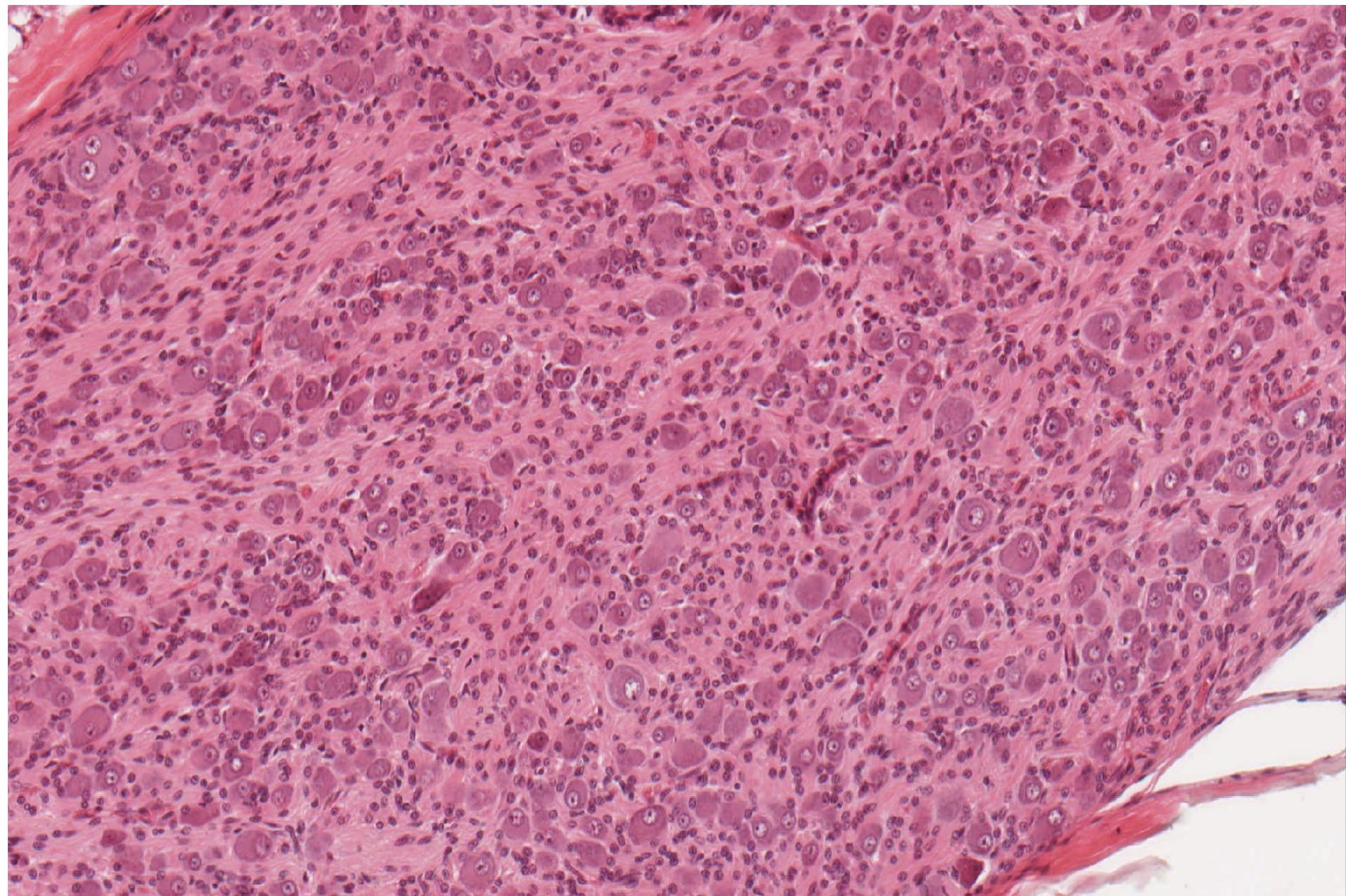
Medulla spinalis – ependymal cells

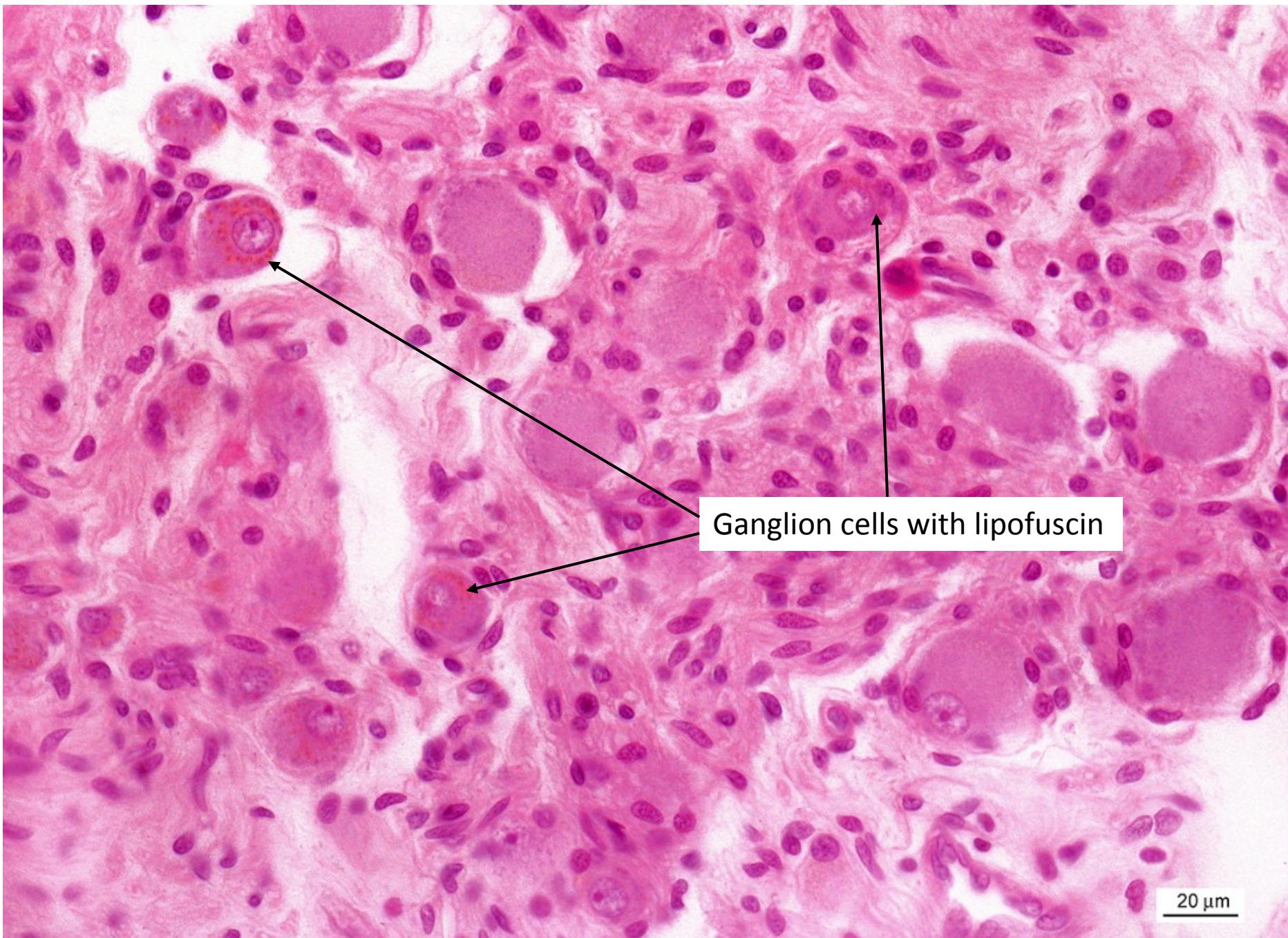


Ganglion spinale



Vegetative ganglion – ganglion cells (multipolar neurons), satellite cells

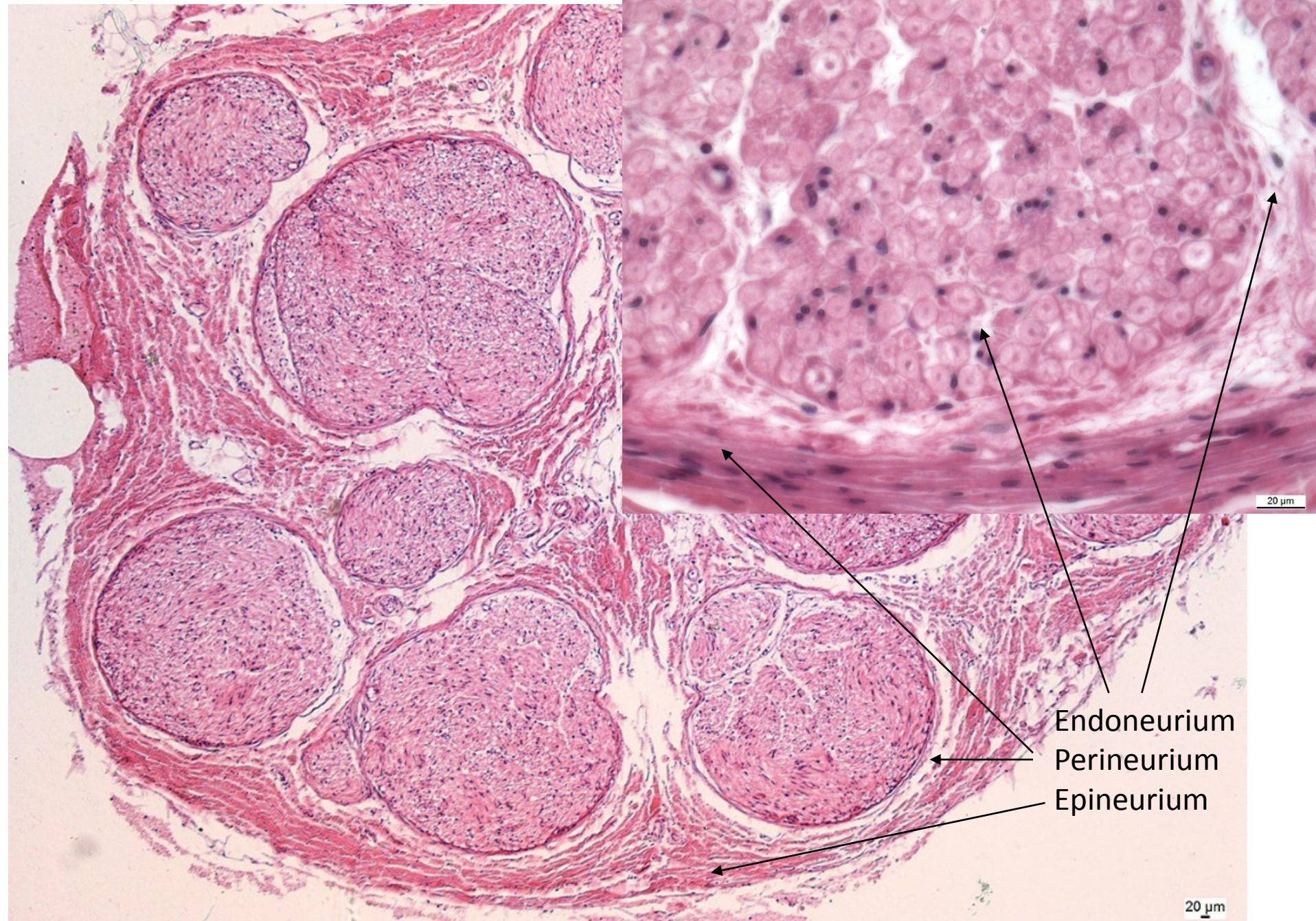




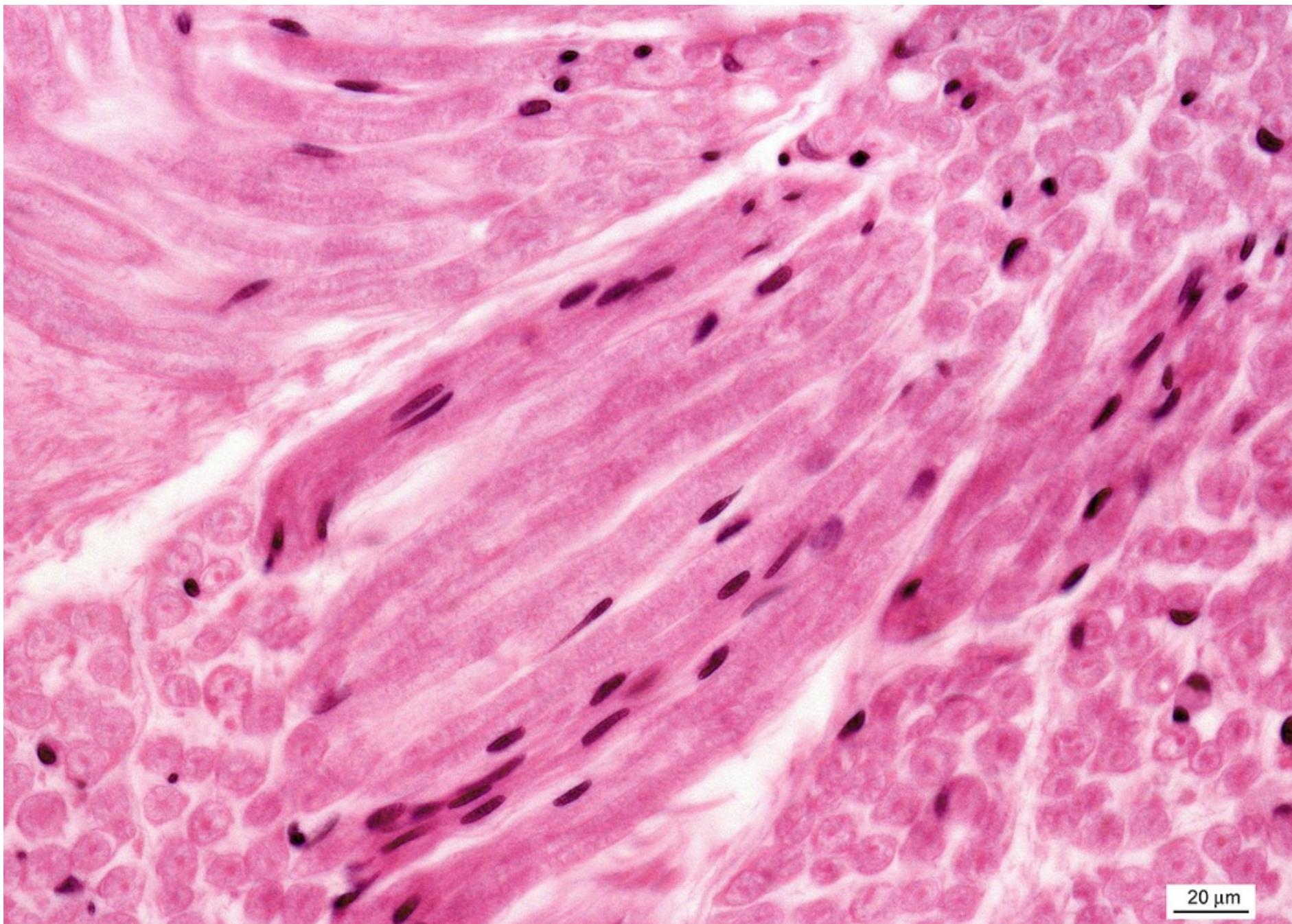
Ganglion cells with lipofuscin

20 μm

Peripheral nerve

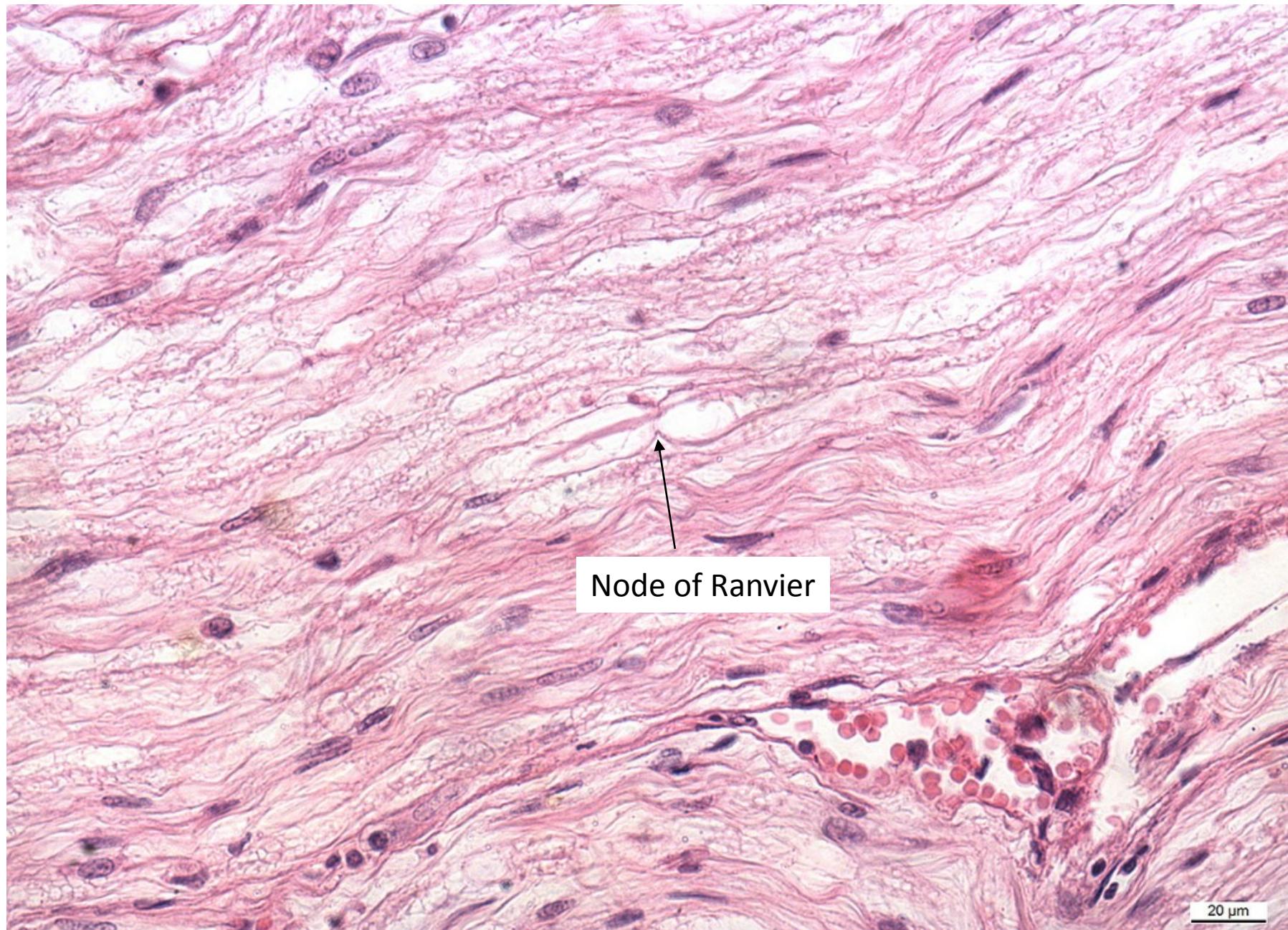


Peripheral nerve

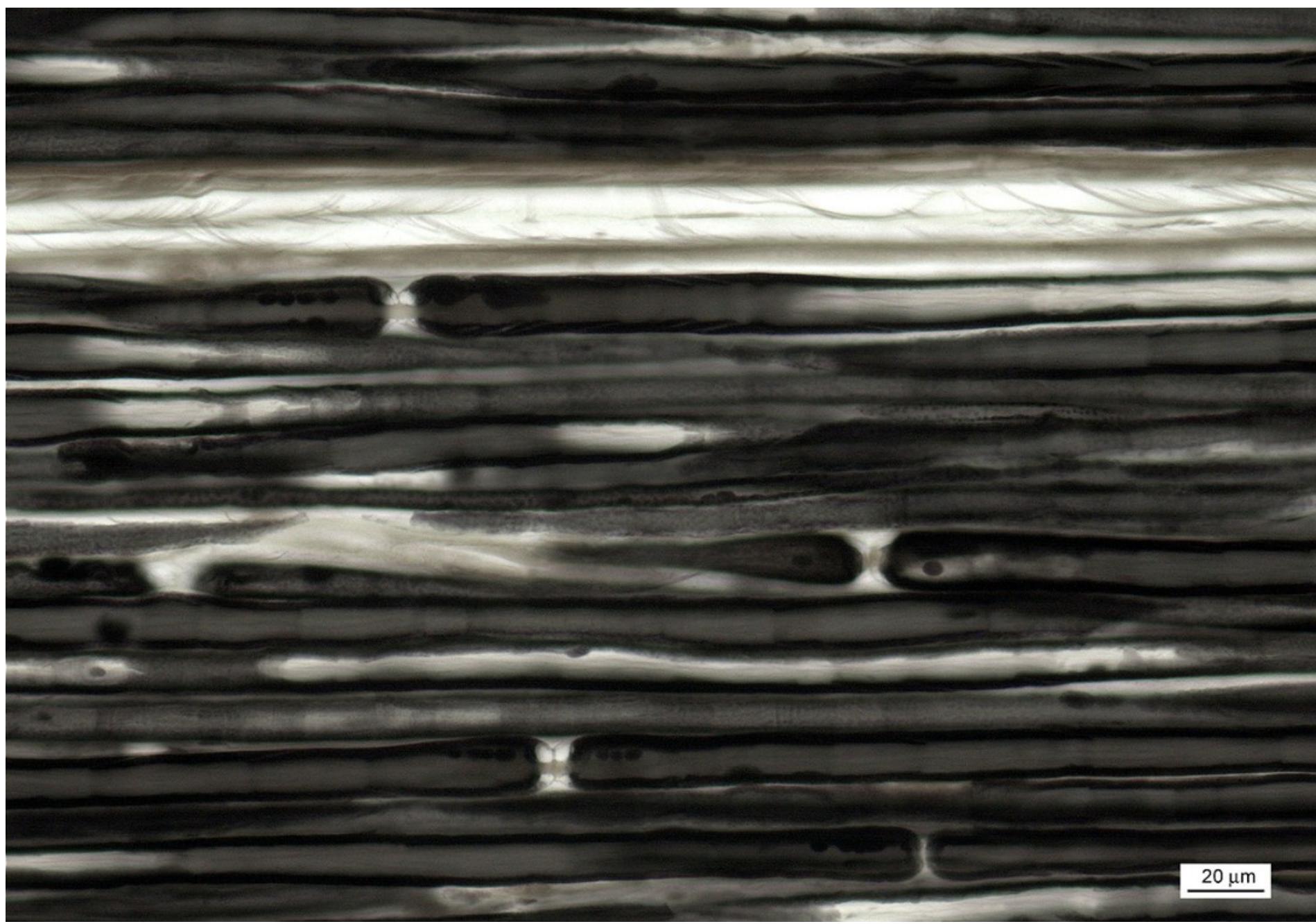


20 μm

Peripheral nerve – longitudinal section

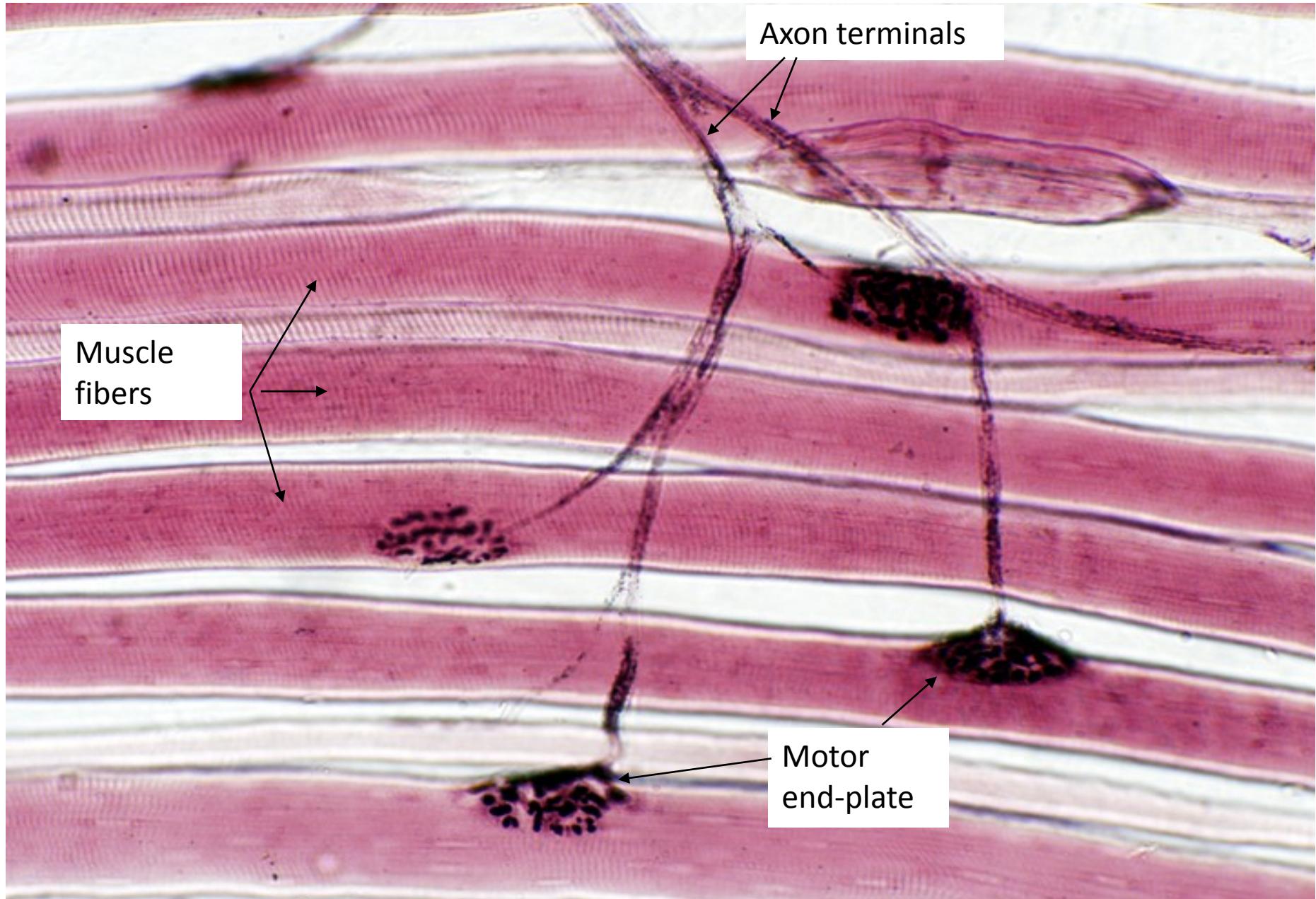


Myelin sheaths with nodes of Ranvier – peripheral nerve (OsO_4)

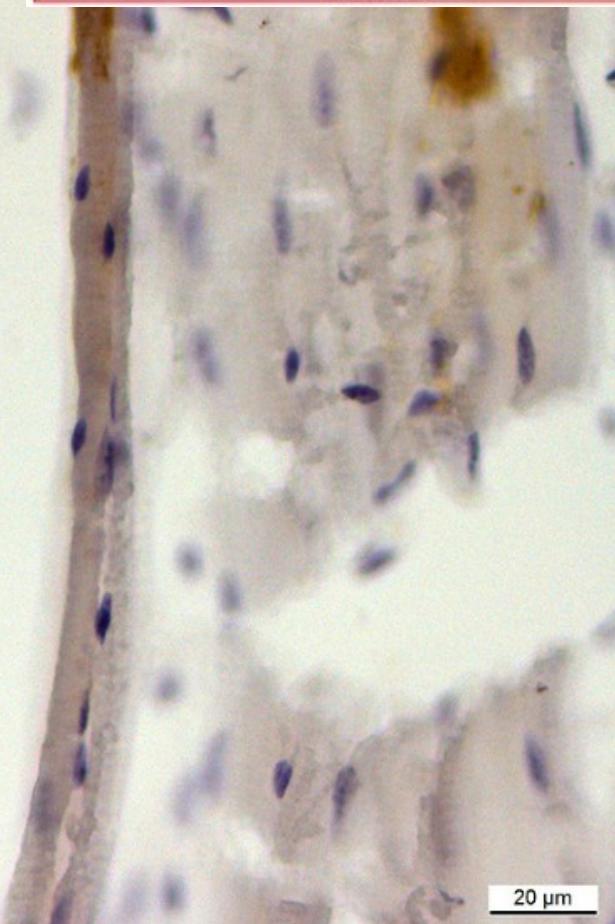
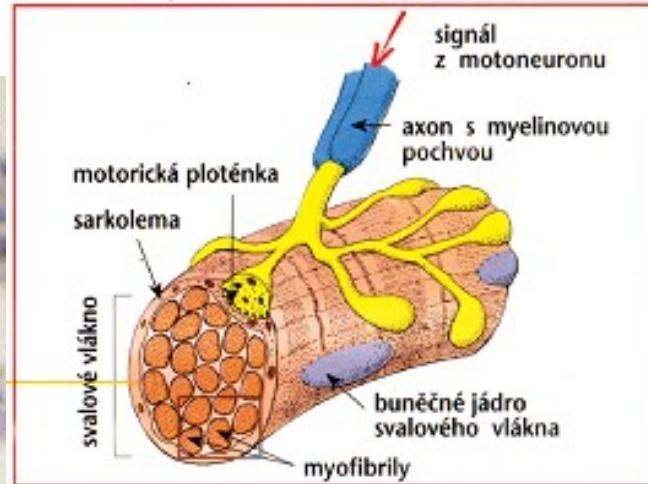
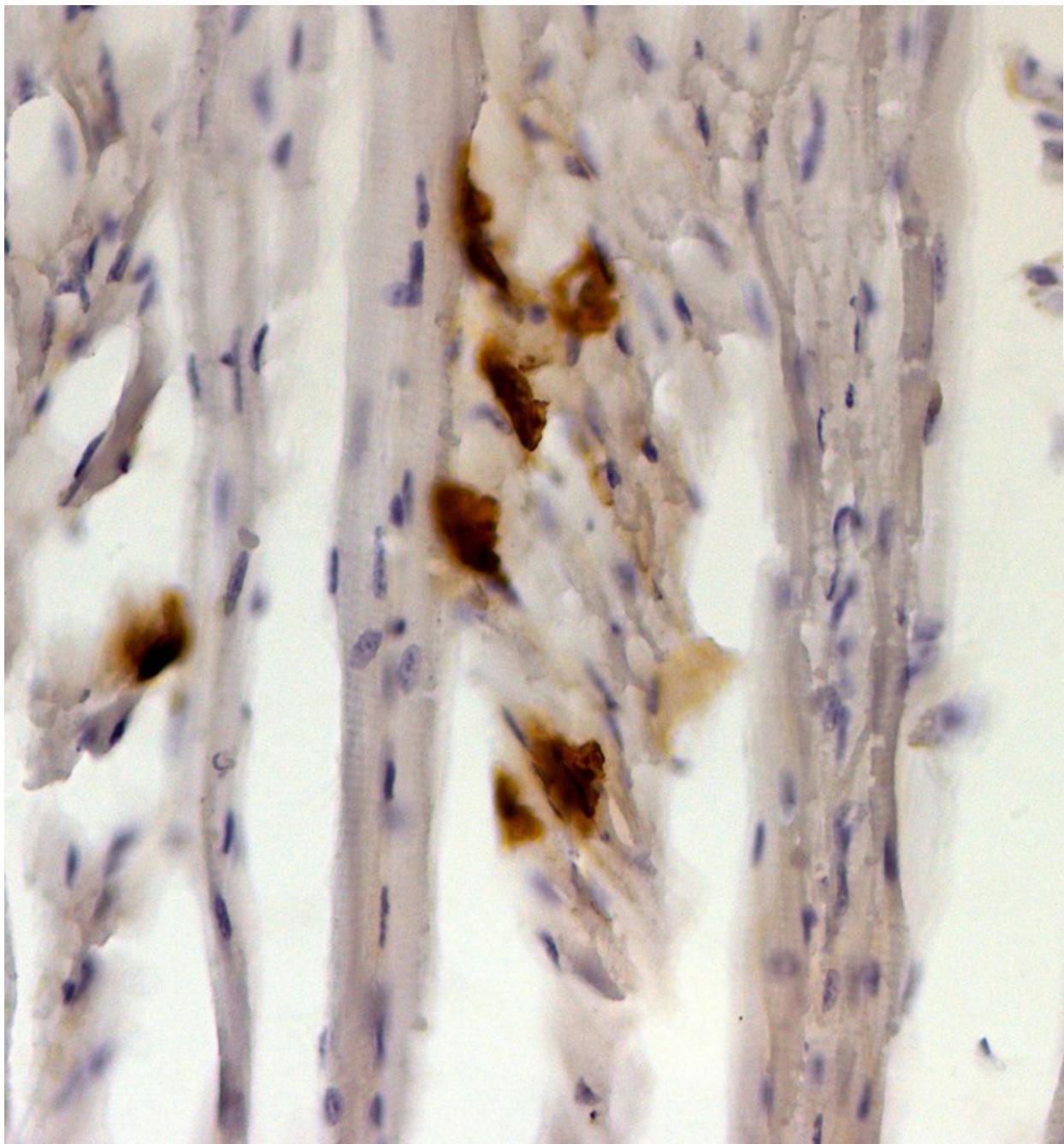


20 μm

Motor end-plates in motor unit

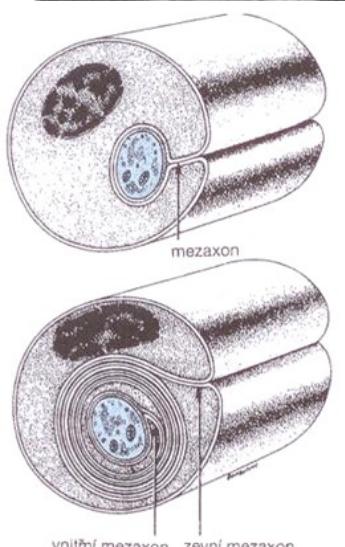
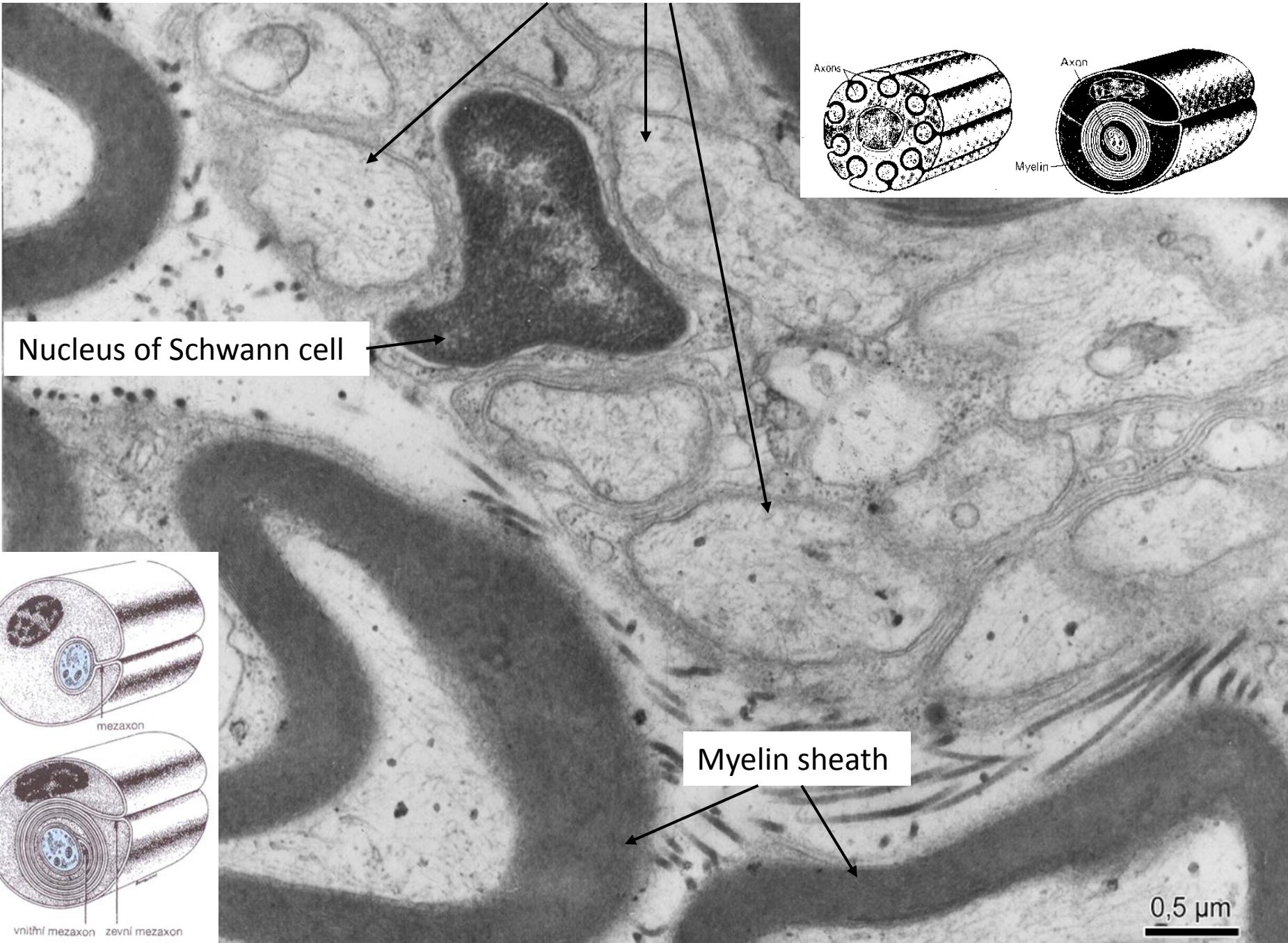


Motor end-plates (localization of acetylcholinesterase)

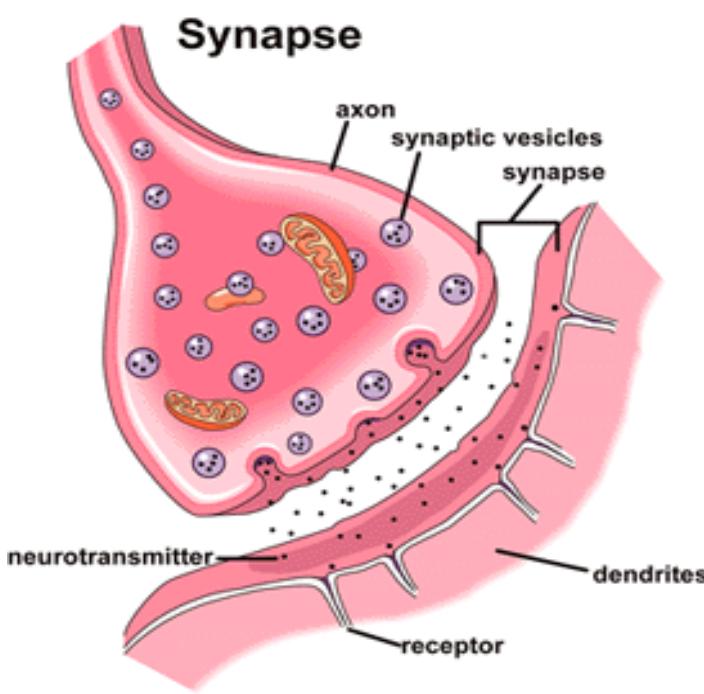


20 µm

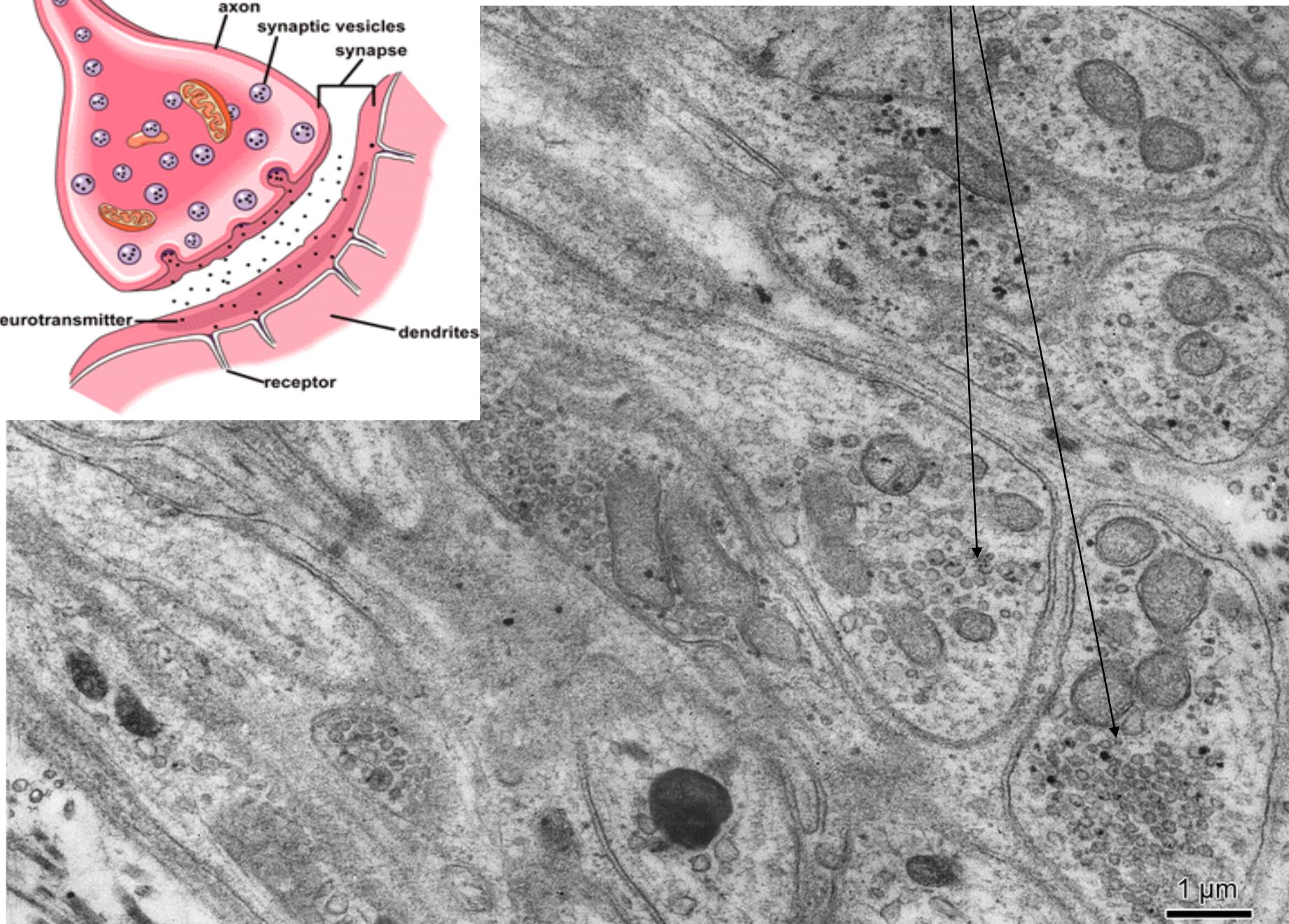
Axons with Schwann sheath



Synapse



Presynaptic ending



NERVE TISSUE

Slides:

Pyramidal cell (75, 76. Cortex cerebri)

Purkinje cell (77. Cerebellum)

Nissl substance (78. Cerebellum)

Somatotomotoric multipolar neuron (79. Medulla spinalis)

Pseudounipolar neuron (81. Ganglion spinale)

Axon with myelin and Schwann sheath (84, 86. Peripheral nerve)

Myelin sheath (87. Peripheral nerve)

Motor end plate (acetylcholinesterase detection)

Atlas EM:

Nucleus (3) and cytoplasm of neuron (55)

Axons with sheaths (56, 58)

Presynaptic endings (57)