Molecular Shots

A) Periphery of the human neurosphere with TuJ1 (neuronal marker) and Nestin (neural stem cell marker) stained cells. B) Centre of the neurosphere with orange cells depicting coexpression of TuJ1 and Nestin.

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C) Synapse and vessel images, Synapses are within 30 nm of capillaries. RBC supply rates are normally 20-100 cells/sec.; Sustained decreases in supply rate (ET-1) to ~25 cells/sec leads to damage only after about 7-9 hrs.; Acute reduction in supply rate to <1 cell/sec leads to damage within 10 min. D) *In vivo* single coronal slice green YFP and red vasculature laminin stain mouse with a stroke lesion.

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