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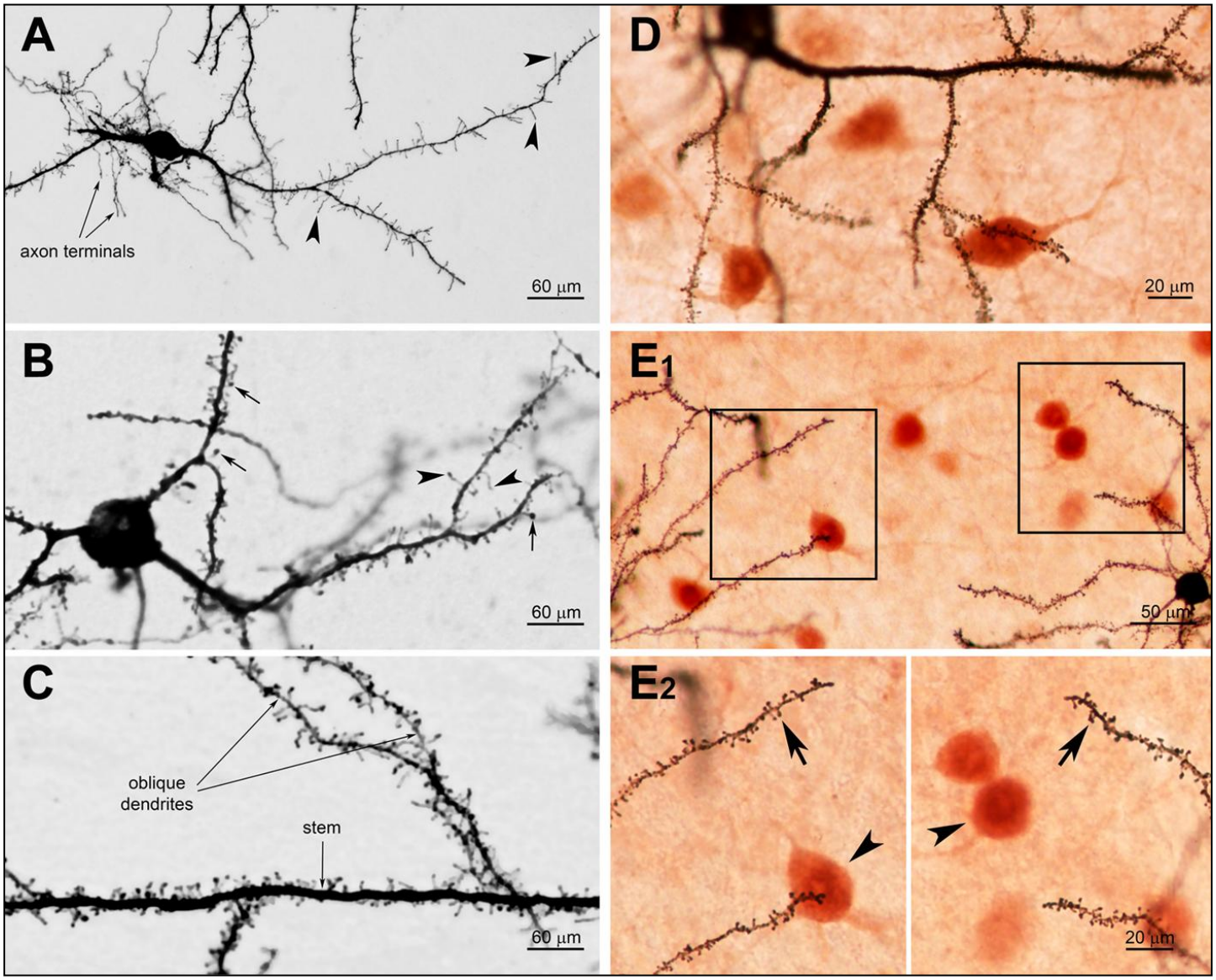
Proven results: The sliceGolgi Kit was used to perform Golgi-staining alone as well as combined Golgi-staining and immunohistochemistry/immunocytochemistry (ICC) on free-floating sections.



A-**C**: The **sliceGolgi Kit** was used to impregnate and stain neurons in 100 – 200 micron thick, **free-floating sections** of postnatal day 12 (P12) C57BL mouse. (**A**) a stained neuron in the lateral hypothalamic area with numerous filopodia-like protrusions (arrowheads); (**B**) a neuron in the frontal cortex with mature spines (arrows) and filopodia (arrowheads); and (**C**) the main (stem) and oblique dendrites of a pyramidal neuron in the motor area of the frontoparietal cortex.

D-**E**: The combination of **Golgi-staining** and **ICC** allows simultaneous visualization of dendritic spines and immuno-reactive products. Golgi-staining was first performed on 50 – 100 micron thick, free-floating sections, followed by ICC. The impregnation time was 2 – 4 days at 22 ± 1ºC. Images were taken from the subiculum of a 4-month old C57 mouse (**D**) and from the frontoparietal cortex (somatosensory area) of a 2-month old C57BL mouse (**E**). Boxed areas in **E1** were magnified (63×) (**E2**) to highlight the dendritic spines (arrows) and immuno-labeled neurons (arrowheads).