



Cover legend: This image shows an astrocyte (green mitochondria; gfap-driven red plasma membrane) intercalated throughout the apical dendrites of a CA1 pyramidal neuron (green mitochondria) at its branch point in stratum radiatum of a rat hippocampal slice.

After 30 min oxygen/glucose deprivation, mitochondria in these astrocytes undergo delayed, glutamate-dependent fragmentation and autophagic degradation, resulting in drastically altered calcium signaling. For more information, see the article by O'Donnell et al. (pages 7109–7127).

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