

Alterations of mitochondrial dynamics allow retrograde propagation of locally initiated axonal insults

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Supplementary Figure 1: GFP-transfected CGN (GFP⁺-CGN) seeded in microfluidic chambers. Neuronal somas are positioned in the somatic chamber (**left**), their axons growing in the micro-channels (**center, between yellow dotted lines**) and reaching the axonal chamber (**right**). **(a)** Typical 10 Days In Vitro (DIV) GFP⁺-CGN grown in low glucose medium (LG) in both chambers, 48 hours post treatment axonal with sham control medium. **(b-c)** Ten In Vitro (DIV) GFP⁺-CGN grown in low glucose medium 24h (**b**) or 48h (**c**) post axonal rotenone exposure (5 μ M). Note that application of rotenone in the axonal chamber led to axonal degeneration in the axonal (treated) chamber with a slow and limited retrograde degeneration in the distal part of micro-channel area after 48 hours (white arrow).

