

Figure S1 Activation of PGC-1 α reduces synaptic phagocytosis in vitro

(A) Representative double-immunofluorescence images of PSD-95 (red) and Iba-1 (green) in co-cultured cells, $n=4$; (B) Quantification of co-localization ratio of PSD-95 and Iba-1, $n=4$. Data are presented as the mean \pm SD. One-way ANOVA followed by Bonferroni's multiple comparisons test was used to obtain p -value. $**p < 0.01$, $***p < 0.001$.

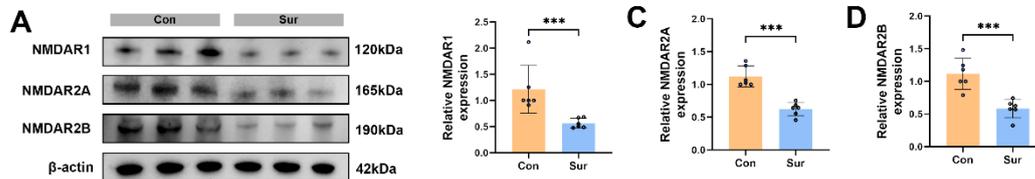


Figure S2 Postsynaptic protein expression reduced following anesthesia and surgery in aged mice

(A) Representative Western blots of NMDAR1, NMDAR2A and NMDAR2B in the hippocampus; (B-D) The relative expression levels of NMDAR1, NMDAR2A and NMDAR2B in the hippocampus, $n=6$; One-way ANOVA followed by Bonferroni's multiple comparisons test was used to obtain p -value. $***p < 0.001$.