

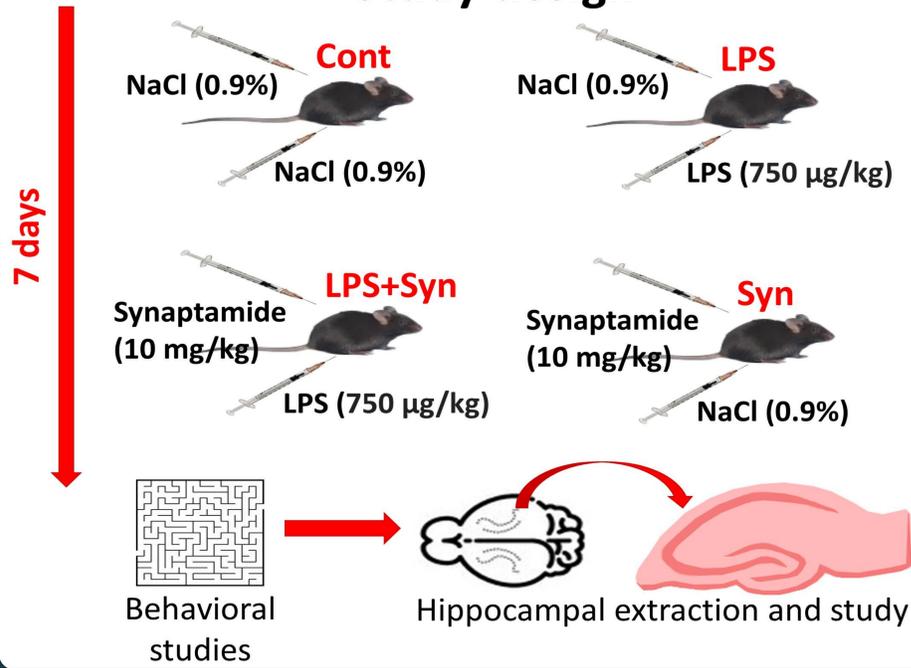
Effect of N-Docosahexanoylethanolamine obtained from squid *Berryteuthis magister* on hippocampal plasticity in a murine model of neuroinflammation

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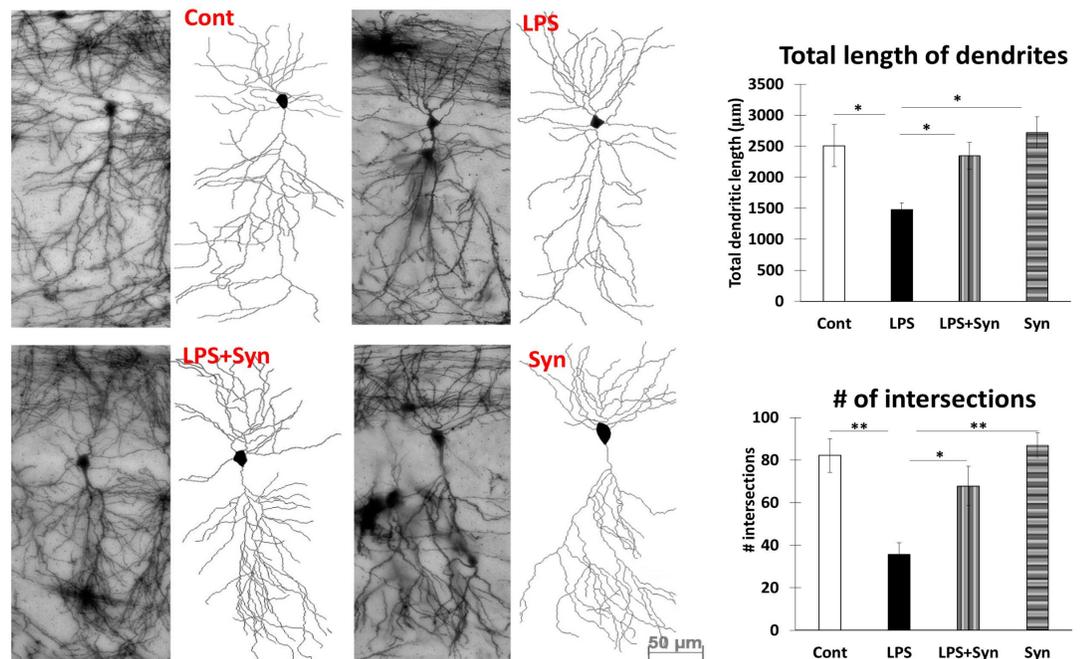
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Study design

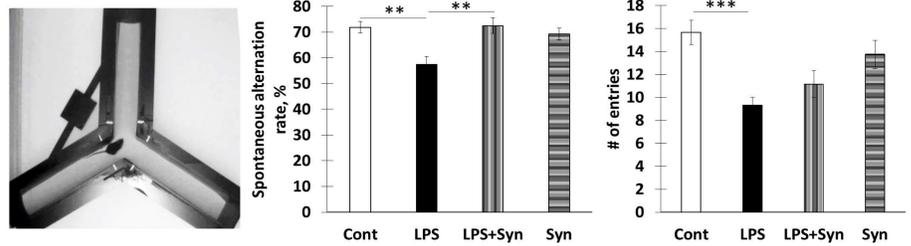


Morphological features of neurons

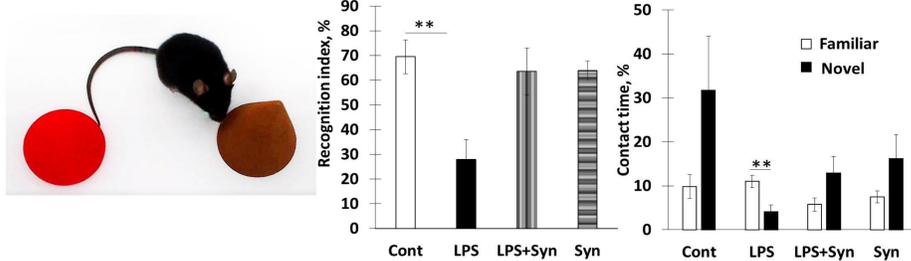


Behavioral studies

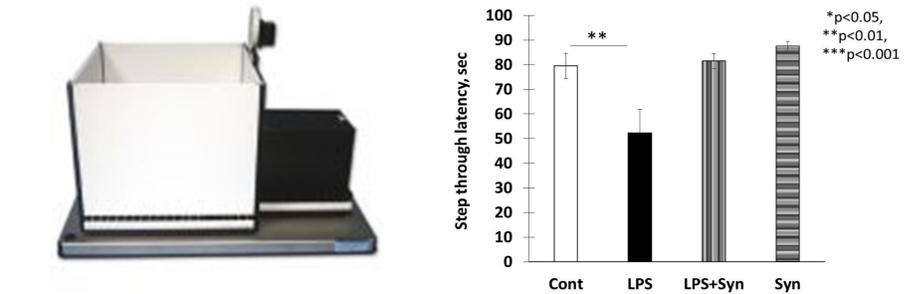
Working memory and locomotor activity



Long-term memory: novel object recognition

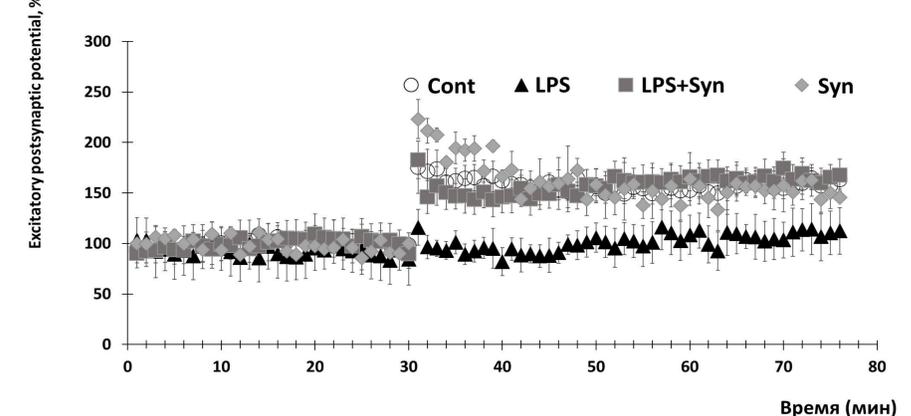


Long-term memory: passive avoidance



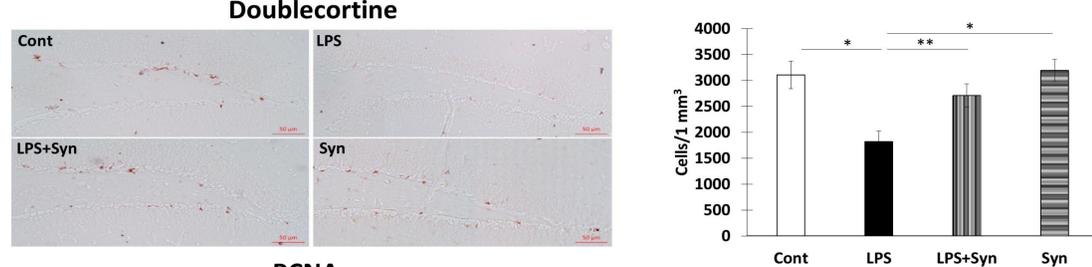
Synaptic plasticity

Long-term potentiation in the CA1 region of the hippocampus

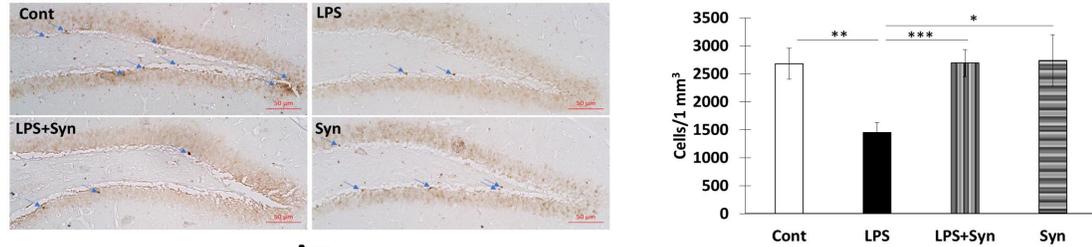


Hippocampal neurogenesis

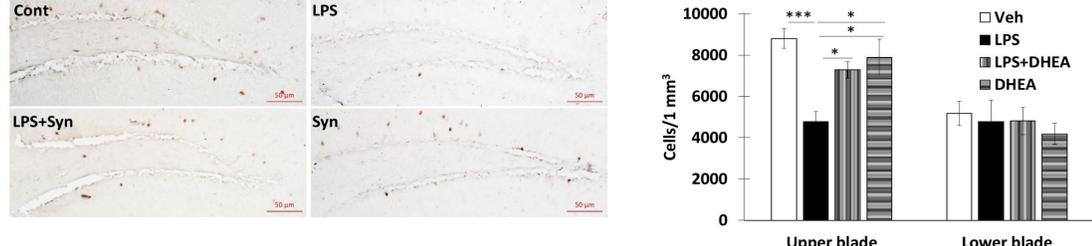
Doublecortine



PCNA



Arc



N-docosahexanoylethanolamine (synaptamide) administration to animals significantly improved hippocampus-dependent memory, prevented synaptic plasticity impairments, neuronal degeneration, and neurogenesis deterioration.