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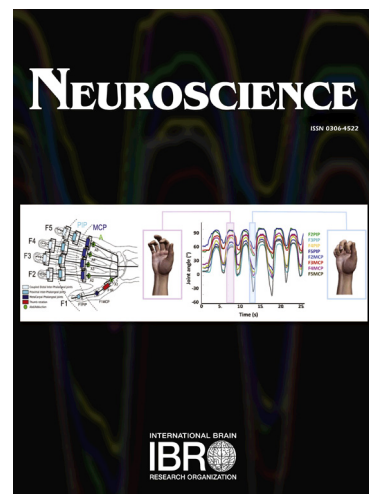
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Regular exercise promotes memory function and enhances hippocampal neuroplasticity in experimental autoimmune encephalomyelitis mice

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Highlights

- Regular exercise alleviated memory deficits in EAE mice
- Regular exercise improved markers of myelination in EAE mouse hippocampus
- Regular exercise improved markers of neurogenesis and proliferation in EAE mice
- Regular exercise reduced apoptosis in the dentate gyrus of EAE mice

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Abbreviations: BDNF, brain derived neurotrophic factor; BrdU, 5-bromo-2'-deoxyuridine; CFA, complete Freund's adjuvant; CNPase, 2',3'-Cyclic nucleotide 3'-phosphodiesterase; CNS, central nervous system; DCX, doublecortin; DG, dentate gyrus; EAE, experimental autoimmune encephalomyelitis; EX, exercise; MBP, myelin basic protein; MS, Multiple sclerosis; NeuN, neuronal nucleic; PBS; phosphate-buffered saline; PTS, pertussis toxin

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