

Special Issue

Steroids and the Nervous System

Message from the Guest Editor

Steroids have pleiotropic effects on the nervous system (NS) throughout the lifespan. The NS is both a target and a site of synthesis and metabolism of steroids. Steroid concentrations in the NS depend both on systemic intake and local synthesis. It is now well established that the NS is able to synthesize progesterone, testosterone, and estradiol from cholesterol. This Special Issue “Steroids and the Nervous System” will compile reviews that address various aspects of the relationships between steroids and the NS, including synthesis, metabolism, regulation, and effects. Special emphasis will be on neurosteroids, neuroactive steroids, and the effects of steroids on brain development and sexual differentiation, neuroprotection, neuroinflammation, myelination, synaptic modulation, memory, and behavior. Reviews on the therapeutic potential of steroids for NS injuries and disorders are also welcome.

Guest Editor

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