

SPECIAL ISSUE CALL FOR PAPERS

Stress, brain, and behavior



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Call for Papers: February 2020

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Stress is a cross-species phenomenon throughout phylogeny that can have important consequences both for individuals as well as for societies. Stress is still an ill-defined term, and better definitions are needed. Highly specific stress responses have evolved to enable individuals to optimally adapt to challenging situations. These processes can have a major impact on whole body physiology, brain function, behaviour, and affect higher cognitive processes, such as decision-making and mood. If these adaptive responses are deregulated or occur out of context, they can result in maladaptation and disease. Excessive stress, especially during developmentally sensitive periods, is a risk factor for a wide range of mental health conditions.

This special issue aims to gather contributions illustrating recent advances in stress research from a broad perspective, including contributions from the fields of neuroendocrinology, genetics, systems biology, behavioral and cognitive neuroscience, computational neuroscience, psychiatry, translational and applied neuroscience.

All types of papers are welcome; i.e., research papers, targeted reviews, meta-analyses and commentaries. Work can cover studies in animals and/or humans, as well as theoretical concepts. Behavioral and/or pharmacological studies are welcome, but should be situated within the broader neuroscientific context wherever possible.