

Special Issue

Neurobiological Trajectories of Psychological Trauma—Implications for Posttraumatic Stress Disorder (PTSD)

Message from the Guest Editors

Traumatic stress exposure may alter neuroendocrine responses to stress, triggering a health-related risk cascade with persistent structural and functional neuropsychobiological changes and mediate cumulative health risk leading to increased physical and mental morbidity and all-cause mortality in later life. This Special Issue aims to highlight and review recent advances from human and animal research on neurobiological allostatic trajectories exerting the enduring adverse effects of traumatic stress and posttraumatic stress disorder (PTSD) in later life and identify factors that explain individual variation in vulnerability or resilience. Topics of interest include but are not limited to: HPA-axis, autonomic nervous system, genetics/epigenetics, novel biomarkers, neuroimmunology, neurocircuitry/imaging and neuroendocrinology. Understanding the pathways susceptible to disruption following traumatic stress exposure could provide new insights into the pathophysiological trajectories linking traumatic stress to systems' maladjustment and human disease in PTSD.

Guest Editors

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You are invited to contribute a research article or a comprehensive review for consideration and publication in *Brain Sciences* (ISSN 2076-3425). *Brain Sciences* is an open access, peer-reviewed scientific journal that publishes original articles, critical reviews, research notes, and short communications on neuroscience. The scientific community and the general public can access the content free of charge as soon as it is published.

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