



Molecular Mechanisms of Stress in Autoimmunity and Psychiatric Disorders

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Deadline for manuscript submissions:

closed (30 July 2020)

Message from the Guest Editors

Dear Colleagues,

It has been well-established that stress can substantially affect the homeostatic regulation of the immune system via the activation of the hypothalamic–pituitary–adrenal (HPA) axis and the release of glucocorticoids (GCs) into the circulation. In turn, GCs act to regulate the activation, proliferation, and trafficking of leukocytes and are thus often used as immunosuppressors in the clinical treatment of inflammatory and autoimmune disorders.

Whereas several molecular mechanisms underlying the dysfunction of glucocorticoid receptors due to persistent inflammation or genetic defects have recently been described, further insights into these mechanisms may help to unveil regulatory roles of GCs, to elucidate the etiology of diseases with strong inflammatory components, and to identify therapeutic strategies to overcome GC resistance in a variety of inflammatory diseases.

This Special issue of *Biomolecules* invites manuscripts and reviews which provide molecular and cellular mechanisms underlying the impact of chronic stress on autoimmune and psychiatric disorders.

Keywords: autoimmunity; psychiatric disorders; HPA; stress; inflammation





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Message from the Editorial Board

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