Special Issue

Stress and Inflammation: Drivers, Biomarkers and Physiological Effects

Message from the Guest Editor

Stress is associated with a wide range of chronic diseases, and inflammation is a key mechanism linking stress to the pathophysiological processes driving these disease states. Stress and inflammation are impacted by obesity and modifiable health behaviors, such as physical activity and nutritional intakes. However, stress and inflammation are also linked to environmental and psychosocial drivers, such as poverty, stigma, discrimination, built environments, and exposure to pollutants and pathogens. The purpose of this Special Issue is to discuss the effects of these multifaceted stimuli on stress and inflammation outcomes, methods for quantifying stress and inflammation, and the physiological effects of stress and inflammation. Both reviews and original research submissions are welcome, and all forms of original research (e.g., qualitative, quantitative, observational, experimental) will be considered for publication. In line with the scope of *Metabolites*, all submissions should include a substantive emphasis on at least one metabolite, biomarker, or metabolic pathway related to stress or inflammation.

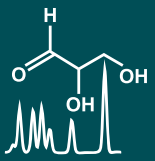
Guest Editor

Dr. Eric Trexler

Department of Evolutionary Anthropology, Duke University, Durham, NC, USA

Deadline for manuscript submissions

closed (9 June 2025)



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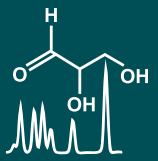

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About the Journal

Message from the Editor-in-Chief

The metabolome is the result of the combined effects of genetic and environmental influences on metabolic processes. Metabolomic studies can provide a global view of metabolism and thereby improve our understanding of the underlying biology. Advances in metabolomic technologies have shown utility for elucidating mechanisms which underlie fundamental biological processes including disease pathology. *Metabolites* is proud to be part of the development of metabolomics and we look forward to working with many of you to publish high quality metabolomic studies.

Editor-in-Chief

Dr. Amedeo Lonardo
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