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Effect of Tryptophan Metabolism on Neuropsychiatry and Cancer Immunotherapy

Guest Editor:

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Deadline for manuscript submissions:
closed (1 February 2023)

Message from the Guest Editor

Dear Colleagues,

The metabolism of amino acids, especially tryptophan, produces various metabolites that affect human health. Serotonin and melatonin are involved in regulating mood and sleep, and many intermediates of the kynurenine pathway have neuroprotective or neurodegenerative effects. The kynurenine pathway provides the precursor for NAD biosynthesis, is a key regulator of the immune system, and is hijacked by many cancers to evade the innate immune response. The aim of this Special Issue is to highlight how the metabolic pathways for tryptophan affect disease states related to neuropsychiatry and immunotherapy for treating cancer. Specific areas include, but are not limited to, the identification or detection of biomarkers, mechanistic studies of metabolic enzymes, the effects of metabolites or enzyme expression on cells, tissues, or organisms, and bioinformatics.

Dr. Ian Davis
Guest Editor

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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.

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