



Epigenetic Triggers and Immune Phenotypes Associated with Neurological Disorders in Relation to Women's Health

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Message from the Guest Editors

The increasing amounts of new data on human disease regulation arose foremost from genome-wide association studies (GWAS). Attempts to identify functional phenotypes of newly discovered disease-related genomic variants corroborated epigenetic- and proteomic-wide association studies.

Amongst neurologic diseases, multiple sclerosis (MS), an autoimmune, relapsing–remitting or progressive debilitating disorder affecting younger adults, is sex-biased with prevalence for women. The Guest Editor's critical overview of some genetic association, epigenetic triggers, and immune cytokine phenotypes relevant for MS, in particular IL-16, which is a CD4+ T cell specific migratory factor, will serve as a midpoint to linking other related topics.

This Special Issue aims to encompass some of the recently identified genetic, epigenetic, cytokine, and kinase signaling regulatory pathways related to immune regulation pertinent to human neurological diseases. Updated cytokine mechanisms, implicated in the regulation of other human diseases are discussed by focusing on their known or conceivable significance for women's health.





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Message from the Editor-in-Chief

Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Scientific discoveries and advances in this research field play a critical role in providing a rational basis for informed decision-making toward control and prevention of human diseases, especially the illnesses that are induced from environmental exposure to health hazards.

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