



Molecular Connection between the Endocrine System and Body Regulation

Guest Editor:

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Message from the Guest Editor

Communication within the human body involves the transmission of signals to control and coordinate actions in an effort to maintain homeostasis. One of the major organ systems responsible for providing these communication pathways is the endocrine system. In addition to the major endocrine glands, other organs of the body show endocrine function including the hypothalamus, heart, kidneys, gastrointestinal tract, and liver. Moreover, adipose tissue has long been known to produce hormones and pro-inflammatory cytokines while bone-derived hormones play an important role in metabolism. Disruption of the gut microbiota and both inflammatory and metabolic biomarkers affect neuroendocrine homeostasis and promote several peripheral endocrine system diseases.

In this Special Issue of *IJMS*, we wish to offer a platform for high-quality research and current review articles on the relationship between the endocrine system and body regulation. Moreover, we will highlight recent research and review the role of gut microbiota and metabolic and inflammatory biomarkers in the mechanisms underlying the development of endocrine diseases and their related complications.





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Message from the Editor-in-Chief

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