

## Special Issue

# Molecular Connection between the Endocrine System and Body Regulation

### 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.

### Guest Editor

Prof. Dr. Barbara Predieri

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### Deadline for manuscript submissions

closed (30 April 2022)



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### Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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### Editor-in-Chief

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