

Special Issue

Serotonin in Health and Diseases

Message from the Guest Editor

Serotonin is found in almost all representatives of the animal kingdom, appears in development as early as the single-cell stage, and accompanies the life of the organism until its last days. Normally, serotonin exerts its physiological effects through the activation of more than 14 different receptors on the cell membrane. In addition, it has recently been found that 5-HT as an intracellular agent causes posttranslational protein modification—serotonylation—and is thus involved in important physiological and pathophysiological processes, including permissive gene expression.

In this Special Issue, we would like to encourage all researchers whose work is related to serotonin to present their latest findings, in-depth expertise, and methodological benefits to the wide audience of IJMS. The issue will cover a broad area of serotonin as a biological substance, from distribution to functions, in the course of development, growth, and aging. Any subtleties of serotonin action in health and disease that you have uncovered using model systems in vertebrates and invertebrates are welcome!

Guest Editor

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