

Special Issue

Biological Aspects of Drug Addiction

Message from the Guest Editors

Drug addiction represents an important socioeconomic and health burden worldwide. Addiction has been conceptualized as a neurobiological disease in which repeated drug use yields lasting and widespread neuroadaptations that affect brain regions responsible for habit forming, emotional regulation and cognitive processes, including planning, reasoning, decision making, impulse control and memory.

This Special Issue will focus on the biological aspects of drug addiction in a broad sense, including genetics, biochemical, physiological, functional or structural correlates found in the brain, but also in peripheral body tissues or organs. Understanding the biological basis of drug addiction will provide valuable opportunities for its prevention, diagnosis and treatment, since biological variables may serve as both biomarkers and therapeutic targets for the disease. Manuscripts dealing with the biological basis of behavioral addictions (i.e. sex, gambling, exercise, social media) are also welcome.

addiction
brain
peripheral organs
biomarkers
therapeutics
comorbidity

Guest Editors

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Message from the Editor-in-Chief

Biomedicines (ISSN 2227-9059) is an open access journal devoted to all aspects of research on human health and disease, the discovery and characterization of new therapeutic targets, therapeutic strategies, and research of naturally driven biomedicines, pharmaceuticals, and biopharmaceutical products. Topics include pathogenesis mechanisms of diseases, translational medical research, biomaterial in biomedical research, natural bioactive molecules, biologics, vaccines, gene therapies, cell-based therapies, targeted specific antibodies, recombinant therapeutic proteins, nanobiotechnology driven products, targeted therapy, bioimaging, biosensors, biomarkers, and biosimilars. The journal is open for publication of studies conducted at the basic science and preclinical research levels. We invite you to consider submitting your work to *Biomedicines*, be it original research, review articles, or developing Special Issues of current key topics.

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