Exploring Biomarkers and Pharmacotherapies for Substance Use Disorders

Guest Editors:

Dr. Ani Gasparyan
Institute of Neurosciences, Miguel Hernandez University, Alicante, Spain

Dr. Daniela Navarro
Institute of Neurosciences, Miguel Hernandez University, Alicante, Spain

Prof. Dr. Jorge Manzanares
Instituto de Neurociencias, Miguel Hernández University, Av. Ramón y Cajal s/n, 03550 San Juan de Alicante, Alicante, Spain

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Message from the Guest Editors

Dear Colleagues,

This is a Special Issue with a focused objective of identifying behavioral, genetic, and epigenetic mechanisms involved in drug addiction, as well as potential new pharmacological agents for treating these disorders in both human and animal models.

Substance Use Disorders (SUD), encompassing alcohol, cannabis, stimulants, and other substances, pose a significant global health burden, impacting millions of people worldwide. Despite the profound consequences of these disorders on individuals, families, and societies, effective and precise diagnostic and therapeutic approaches remain limited. Therefore, it is imperative to identify the specific biomarkers associated with different stages of the disease, aiming to deepen our understanding of the underlying alterations and explore effective pharmacological interventions.

To summarize, we aim to cover all the essential aspects that can contribute to our enhanced comprehension of the biological basis of addiction and the identification of pharmacological interventions for treating SUD.

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Special Issue

Editor-in-Chief

Prof. Dr. Amélia Pilar Rauter
Departamento de Química e Bioquímica (DQB) e Centro de Química Estrutural (CQE), Institute of Molecular Sciences, Faculdade de Ciências, Universidade de Lisboa, Lisboa, Portugal

Message from the Editor-in-Chief

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