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The Pathophysiology of Sleep Disorders

Guest Editors:

Dr. Thomas C. Thannickal

Department of Psychiatry and
Biobehavioural Sciences,
University of California Los
Angeles, Los Angeles, CA 90095,
USA

Dr. Ramalingam Vetrivelan

Department of Neurology, Beth
Israel Deaconess Medical Center
and Division of Sleep Medicine,
Harvard Medical School, Boston,
MA, USA

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Message from the Guest Editors

Sleep is a complex biological process for brain and body to perform a number of functions to maintain health. Normal wake and sleep states are generated by a complex neuronal network in the brain and are regulated by homeostatic and circadian mechanisms. The function, biological meaning, and physiological organization of sleep are still pieces of an unresolved scientific puzzle. Sleep disruption can cause multiple disorders. The most common sleep disorders are insomnia, hypersomnia, parasomnia, sleep apnea, restless leg syndrome, and circadian rhythm disorders. Sleep disorders are an undervalued public health problem. Sleep takes up a third of every human being's life and receives much less attention than it deserves by healthcare professionals and policymakers. This Special Edition on "The Pathophysiology of Sleep Disorders" serves as a wakeup call for the importance of sleep and the fact that studying, assessing, and treating its disorders should receive greater prominence in modern medicine.



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Special Issue



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Editor-in-Chief

Prof. Dr. Stephen D. Meriney

Department of Neuroscience,
University of Pittsburgh,
Pittsburgh, PA 15260, USA

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Brain Sciences Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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