

Special Issue

Effects of Sleep Deprivation on Cognition, Emotion, and Behavior

Message from the Guest Editors

The demands from the modern industrial societies, such as around-the-clock works, the intake of substances suppressing/disrupting sleep, or the prolonged use of light-emitting electronics devices, are linked to acute and chronic sleep loss. Both acute and chronic sleep deprivation drastically alters cortical activity and results in significant cognitive, behavioral, and emotional impairments. Importantly, it is not completely clear if performance and emotional deficits are completely reversed with short-lasting recovery sleep (e.g., over the weekend). Furthermore, sleep reduction has been highlighted in several clinical populations as an associated symptom worsening disease outcomes, but also as a predisposing factor. This Special Issue will deal with the immediate and long-lasting effects of acute and chronic sleep loss (total, partial, or selective) on cognition, behavior, and emotional regulation across the lifespan and in clinical populations. Not only laboratory studies, but also on-the-field and applied research as well as review papers are highly welcome.

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You are invited to contribute a research article or a comprehensive review for consideration and publication in *Brain Sciences* (ISSN 2076-3425). *Brain Sciences* is an open access, peer-reviewed scientific journal that publishes original articles, critical reviews, research notes, and short communications on neuroscience. The scientific community and the general public can access the content free of charge as soon as it is published.

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