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Central Aspects of Tinnitus: Advances in Mechanisms and Neuromodulation

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Message from the Guest Editors

The auditory pathway is a complex system. Pathology within this system can result in hearing loss, hyperacusis, and tinnitus. Neuromodulation is gaining more interest as an avenue to explore for tinnitus treatment. Noninvasive neuromodulation has been shown to be effective in some tinnitus patients in the short term. A better understanding of the central auditory pathway supports further development of the objective measurement of hearing (e.g., auditory brainstem response) and may support further development of both non-invasive and invasive neuromodulation therapies such as auditory brainstem implants for hearing loss, deep brain stimulation, and transcranial magnetic stimulation for tinnitus.

This Special Issue of Brain Sciences aims to provide more insight into the central mechanism and therapeutics of hearing(-related) disorders. Authors are invited to submit research and reviews that address a broad range of topics, such as the central aspect of hearing disorders, the pathophysiology of tinnitus, hearing loss and hyperacusis, diagnostics related to the auditory pathways, invasive and non-invasive neuromodulation for (central) hearing loss, tinnitus, and hyperacusis.

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Message from the Editor-in-Chief

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