Special Issue

Hearing Loss: From Pathophysiology to Therapies and Habilitation

Message from the Guest Editors

While hearing loss is considered one of the most common disabilities, science and technology have provided us with means to reduce its debilitating effects. Understanding the pathophysiology of hearing, along the auditory pathways from the ear to the brain, has enabled us to successfully manage hearing loss. Management includes audiological, medical and surgical therapy, a variety of auditory implantable devices and different habilitation protocols. Cochlear implants, bone-anchored hearing aids, middle-ear implants and auditory brainstem implants are examples of effective interventions for restoring hearing (to different degrees). Of these, cochlear implants are the most viable option for individuals with severe–profound sensorineural hearing loss who do not benefit from hearing aids, providing excellent functional results. However, even with cochlear implants, there is much to unravel and a need for improvement. This Special Issue aims to bring together knowledge from different disciplines that will allow the integration and a broad view of this multifaceted pathology. We invite submissions of manuscripts relevant to the aforementioned topics.

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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