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Molecular Mechanisms of Sensorineural Hearing Loss and Development of Inner Ear Therapeutics

Guest Editor:

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Deadline for manuscript submissions:
closed (31 October 2020)

Message from the Guest Editor

The vast majority of the hearing loss is sensorineural due to disease, degeneration or trauma to the cochlea of the inner ear. The etiology of sensorineural hearing loss (SNHL) is complex and multifactorial arising from congenital and acquired causes. Congenital hearing loss commonly manifests as hearing deficits at birth or during early development, while acquired hearing loss is usually sustained in later life as a result of infection, exposure to excessive noise, ototoxic drugs or progression with age (presbyacusis).

Substantial progress has been made in recent years towards understanding the underlying mechanisms of SNHL and the discovery of novel therapeutic targets to prevent and mitigate the hearing loss.

The aim of this special issue is to advance our understanding of the causes and mechanisms of hearing loss and propose novel strategies to protect and restore hearing. We invite investigators to contribute original research articles and review articles that will address the mechanisms of SNHL caused by cochlear injury or gene mutations, biomarkers of hearing loss, biological restoration of hearing and prevention of cognitive deficits associated with presbyacusis.

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Message from the Editor-in-Chief

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