

Special Issue

Hedgehog Signaling in Myelin Diseases and Inflammatory Disorders of the Nervous System

Message from the Guest Editor

In recent decades, Hedgehog signaling has been found to be endowed with a multitude of roles. The involvement of Hedgehog signaling in the generation of oligodendrocytes, its requirement for proper development of peripheral nerve sheaths, as well as its implication in the maintenance of the blood–brain and blood–nerve barriers have raised the possibility that targeting Hedgehog signaling may open therapeutic perspectives towards demyelinating and inflammatory nervous system disorders. The present Special Issue should provide an overview of the state-of-the art, namely, regarding the mechanisms underlying involvement of Hedgehog signaling in myelin production, the therapeutic potential of Hedgehog signaling modulators in the process of myelin maintenance or regeneration, the contribution of Hedgehog signals to design cell therapies for myelin diseases, Hedgehog-mediated control of the blood–brain and blood–nerve barriers, and the role of Hedgehog signaling in glial cells participating in neuroinflammation.

Guest Editor

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Cells has become a solid international scientific journal that is now indexed on SCIE and in other databases. We have successfully introduced a special issues format so that these issues serve as mini-forums in specific areas of cell science. *Cells* encourages researchers to suggest new special issues, serve as special issues editors, and volunteer to be reviewers. Our main focus will remain on cell anatomy and physiology, the structure and function of organelles, cell adhesion and motility, and the regulation of intracellular signaling, growth, differentiation, and aging. We are open to both original research papers and reviews.

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