Special Issue

Modelling Neurodegeneration and Remyelination Processes: Past, Present, and Prospectives for Drug Discovery

Message from the Guest Editor

The possibility to study the mechanical and chemical properties guiding axon-oligodendroglia interactions by uncoupling indirect (neuronal) from direct (oligodendroglia) effects during myelination in vitro have opened the possibility to characterize several aspects of remyelination previously unclear and to develop novel strategies in drug discovery. Many questions remain opened. How oligodendroglia cells recognise the demyelinated area? Are there neuronal factors stimulating OPC differentiation? How many cell types participate in remyelination? All remyelination drugs identified act similarly in their remyelination properties? Which are the best cellular models for drugs discovery for remyelination studies? Are there novel animal models for demyelination disease? Paper that discuss these topics are invited to be submitted for this special issue

Guest Editor

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Deadline for manuscript submissions

closed (15 November 2021)

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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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