Special Issue

Astroglial Connexin Physiology

Message from the Guest Editor

Astrocytes are key active elements of the brain that contribute to information processing. Astrocytes closely interact with neurons and provide them with metabolic and structural support. They regulate neurogenesis, brain wiring, synaptic activity, and plasticity. Astrocytes also interact with brain vessels and control blood-brain barrier integrity, immunity, and blood flow. Dysfunction of astrocytes can induce major alterations in neuronal and vascular functions, contributing to the pathogenesis of several brain disorders. A typical feature of astrocytes compared to other brain cell populations is their high level of Connexin (Cx) expression with two major Cxs: Cx43 and Cx30. Determining how astroglial Cxs confers specific features and functions to astrocytes and their role in brain physiology is a key issue that we propose to develop in this Special Issue of *Cells*.

Guest Editor

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Message from the Editorial Board

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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