Special Issue

The Role of Histological Techniques in Neuroscience and Neural Engineering

Message from the Guest Editors

The nervous system, thanks to its electroconductive properties, is responsible for the control of motor, sensory, and autonomic functions of the different organs and systems in most organisms. It is composed of the central & peripheral nervous systems which create a highly complex anatomical interconnected network through the body. Central nervous system (CNS) organs, which are derivatives from the neuroectoderm (neural tube) are protected by complex bone structures and cavities, and they are the brain, brain stem, cerebellum, spinal cord, and optic nerve. In the case of the peripheral nervous system (PNS), it is composed of different organs, such as peripheral nerves, sensory and autonomic ganglia, nerve endings, and corpuscles. In general, the structure and function of the nervous system are well studied, but more research is needed to elucidate the complexity of the neural network, the regenerative properties of the neural tissue, or the role of neural stem cells during development, aging & regeneration. For further reading, please visit the Special Issue website. Prof. Dr. Víctor S. Carriel

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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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