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Role of Zinc in Brain Homeostasis and Neurological Disorders

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Deadline for manuscript submissions:
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Message from the Guest Editor

Dear Colleagues,

That zinc is a critical factor in the health and development of the nervous system has long been recognized. Zinc is an essential contributor to normal cellular function through its roles as a cofactor for many enzymes, as a vital component of protein structures, and as an intracellular and extracellular signaling ion. The importance of maintaining zinc homeostasis is evidenced by the 24 zinc-transporting proteins that have evolved to transport zinc into and out of cells and between various cellular compartments, with altered levels of zinc being implicated in numerous disorders, including Alzheimer's disease, autism, schizophrenia and depression.

This Special Issue will examine the role of zinc in the normal adult and developing brain and how zinc dyshomeostasis can lead to brain dysfunction.

Prof. Dr. Richard H. Dyck
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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