Special Issue

Signaling Pathway Cross Talk in Alzheimer's Disease and Cerebrovascular Disease

Message from the Guest Editor

Dear colleagues, Alzheimer's disease (AD) and cerebrovascular disease (CVD) are the two most prevalent causes of dementia. However, the molecular basis of AD and vascular dementia (VaD) remains unclear. Furthermore, effective treatments for these debilitating neurological disorders are not yet available. In the last three decades, the interaction(s) between CVD and AD have garnered considerable interest. Mixed AD/CVD pathology is commonly seen in patients with clinically diagnosed AD dementia. Combined vascular and AD pathology is the leading cause of dementia in the very old, and there is a debate on whether this is due to an additive effect of both pathologies on cognitive impairment, and whether it represents an interaction between the two pathologies. This Special Issue explores the association and interaction between CVD and AD pathology/dementia from the perspectives of plasma lipid and protein profiles, imaging biomarkers, post-mortem pathology, and investigations using animal models. In addition, studies on plasma biomarkers of AD and VaD and their independent contribution to dementia and cognitive decline will also be accepted.

Guest Editor

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Deadline for manuscript submissions

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About the Journal

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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