Special Issue

Alpha-Synuclein Pathology in Human Diseases

Message from the Guest Editors

Alpha-synuclein insoluble protein aggregates are the key neuropathological characteristics of several neurodegenerative disorders. The protein is known as the main component of Lewy bodies (LB), intra-neuronal/parenchymal inclusions found in the post-mortem brains of patients affected by Parkinson's disease (PD), LB dementia (DLB), or the LB variant of Alzheimer's disease (LBVAD) as well as of glial cytoplasmic inclusions (GCI), which are instead oligodendrocyte inclusions typical of multiple system atrophy (MSA). Neurodegeneration with brain iron accumulation (NBIA) and pure autonomic failure (PAF) are other disorders characterized by central and peripheral alpha-synuclein pathological deposits. The gradual spreading and diffusion of alpha-synuclein pathological aggregates in and between the central and peripheral nervous system underlie the progression of disease symptoms in several of the above-cited disorders. This Special Issue aims at providing an overview on the impact of alpha-synuclein pathology deposition and spreading on neurodegenerative disorders. *Assistant*

Guest Editors

Prof. Dr. Arianna Bellucci
Department of Molecular and Translational Medicine, University of Brescia, Brescia, Italy

Dr. Francesca Longhena
Department of Molecular and Translational Medicine, University of Brescia, Brescia, Italy

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Cells
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
cells@mdpi.com

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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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Neuroscience, UMN Twin Cities, 6-145 Jackson Hall, 321 Church St SE, Minneapolis, MN 55455, USA

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