

Special Issue

The Role of Autophagy Processes in Neurodegenerative Diseases

Message from the Guest Editor

A hallmark event in neurodegenerative diseases (NDs) is the accumulation of misfolded proteins. The disease-associated proteins undergo misfolding from their native states to form neurofibrillary tangles that cause cellular toxicity and loss of neuronal connectivity.

Emerging evidence suggests that autophagy, evolutionary conserved intracellular degradation machinery, contributes to the removal of aggregate-prone proteins in neurons, to support cellular homeostasis and protect against neurodegeneration. Defects in autophagy are often associated with the pathogenesis of NDs, including Alzheimer's disease (AD), Parkinson's disease (PD), Huntington's disease (HD), and amyotrophic lateral sclerosis (ALS). Thus, modulating autophagy is becoming a promising therapeutic approach against neurodegenerative disorders. This Special Issue focuses on the molecular mechanisms of autophagy in the context of neurodegenerative disorders. We welcome submissions of original papers and reviews that cover this widely discussed topic.

Guest Editor

Dr. Azra Fatima

Department for Natural Sciences, University of Cologne, 50667 Köln, Germany

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences,
Sez-Biochimica, Faculty of Medicine, Università Politecnica delle
Marche, Via Ranieri 65, 60100 Ancona, Italy

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