



Neuron Cell Death

Guest Editors:

Prof. Dr. Adalberto Merighi

Department of Veterinary
Sciences, University of Turin,
Turin, Italy

Prof. Dr. Laura Lossi

Department of Veterinary Clinical
Sciences, Università degli Studi di
Torino, Torino, Italy

Deadline for manuscript
submissions:

closed (15 September 2018)

Message from the Guest Editors

The discovery of neuronal cell death dates back to the 19th century. Nowadays, the notion that cell death is a phenomenon occurring during the entire life course of the nervous system, from neurogenesis to adulthood and old age, is fully established. Moreover, it is widely accepted that death of neurons occurs in certain pathologies of the brain, including neurodegenerative diseases. The dichotomy between apoptosis, as the prototype of programmed cell death (PCD), and necrosis, as the prototype of death caused by an external insult, must be carefully reconsidered, as different types of PCD including apoptosis, autophagy, pyroptosis, and oncosis have all been demonstrated in neurons.

This Special Issue focuses on the recent progress in understanding the cellular and molecular biology of the death of central neurons, as well as the underlying mechanisms of PCD in the normal and pathological brain.





an Open Access Journal by MDPI

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

Message from the Editor-in-Chief

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, MEDLINE, Embase, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Organic Chemistry)

Contact Us

*International Journal of Molecular
Sciences* Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/ijms
ijms@mdpi.com
X@IJMS_MDPI