

## Special Issue

# Molecular Basis for the Environmental Promotion of Neurodegenerative Disease

### Message from the Guest Editor

Most neurodegenerative diseases have a relatively minor genetic component. Huntington's disease is the only major exception with the genetic penetrance being 100%. This implies that unknown environmental factors play a major role in determining the prevalence of defined neurological diseases in a specific population. Such agents consist of materials present in the general environment, such as those present in air, water, or surrounding terrains. This special issue is focused on the possible molecular mechanisms by which these exogenous influences can initiate or accelerate processes associated with brain aging. Such expedition of normal events can lead to the premature emergence of distinctive disorders associated with brain aging. Mechanistic clues may be initiated by findings from clinical or epidemiological studies to be followed up using more detailed analyses of animal and isolated cell models. Each of the chapters will elaborate on some aspect of the more common neurodegenerative disorders toward better understanding the molecular disruption that is involved.

### Guest Editor

Prof. Dr. Stephen C. Bondy

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## International Journal of Molecular Sciences

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### 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.

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### Editor-in-Chief

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