

Tentative Outline

Special Issue for CURRENT AGING SCIENCE

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Current updates on understanding the purpose and mechanism of Aging

Aims & Scope:

Life is vital asset of each living organism to perform some biological roles particularly among human beings, who have additional social role of caring for each other and for the world in which they reside according to their approach. Therefore, human beings are bestowed with special physical, intellectual, emotional and spiritual status of health in this world to enjoy from life and to provide care for other fellow members of humanity on the surface of this planet. Imbalance in any domain of health sciences may initiate chain of disorders within the body directly which may indirectly influence the society at large. Consequently, scientific researchers around the globe have embarked on a race on the innovative road of finding causes for aging and delaying or stopping the elderly-aging process along with finding cures for various human health issues. In this special issue of *Current Aging Science* (CAS), our aim is to overview current understanding about the purpose and mechanism of aging with respect to progress and future perspectives on different approaches for the management or treatment of major current public health issues such as neurodegenerative disorders, particularly Alzheimer's disease, Parkinson's disease, Huntington's disease, Amyotrophic lateral sclerosis, Schizophrenia, Autism and mood disorders. On the other hand, energy produced during the metabolic process is known to be linked with mono-saccharides, fatty acid metabolism and its imbalance can cause one factor of obesity to diabetes type 2. We are interested to cover that aspect as well. In this way, this special issue of CAS will help in promoting an in-depth understanding of the current global trends in the mechanisms of aging processes in various health issues in the realm of medical research.

Key words:

Mechanism, Aging, Alzheimer's disease, Cancer, Central Nervous System, Huntingtin, Microbiology, Neurodegenerative Disorders, Obesity, Parkinson's disease, Type 2 Diabetes Mellitus

Subtopics:

α -synuclein protein, Parkinson's disease and aging brain

Age-related neurochemical changes in neurodegenerative disorders

Microglial priming, aging and neurodegenerative disorders

Therapeutic approaches to delay or halt the progression of cognitive-aging in Alzheimer's disease

Relationship of lipotoxicity, oxidative stress, type 2 diabetes and aging

Schedule:

**Name of authors, affiliations, tentative title and summary submission deadline to Guest Editor:
September 2014**

Manuscript Submission Deadline to Guest Editor:	October 2014
Peer Review Due:	November 2014
Revision Due:	January 2015
Notification of Acceptance by the Guest Editor:	February 2015
Final Manuscripts Due:	March 2015
Galley Proof of Accepted Articles:	April 2015
Publication:	July 2015