



Special Issue on
**Inflammatory Mediators and Therapeutic
Intervention in Age Related Neurodegenerative
Diseases**

CALL FOR PAPERS

Inflammation plays an important role in progression of several neurodegenerative diseases and may represent an attractive target for treatment. Inflammation is usually rapid host response to injury or infection by producing varieties of inflammatory mediators to combat this situation. However, if this situation is unresolved or protracted, it could initiate the components of cell death and lead to severe and chronic neurodegenerative diseases. Aging is a progressive degenerative process tightly integrated with inflammation. Number of investigations identified the inflammation-associated molecular and cellular damage as a major feature in age related neurodegenerative diseases. Studies of the postmortem human tissues and animal studies as well suggested that chronic inflammation plays a significant role in cell death and contribute to the progression of age related neurodegenerative diseases. Unfortunately, there is unmet need of pharmacological intervention to ameliorate the molecular/cellular inflammation pathways associated with neurodegenerative diseases and aging and to facilitate the translation of findings from basic neuroscience to new treatments for patients.

Elucidation of novel cellular and molecular pathways that influence the pathogenesis of age related neurodegenerative diseases and inflammation could lead to development of new therapeutic approaches and better insight into disease pathophysiology.

The aim of this special issue is to provide a comprehensive overview on the involvement of inflammatory mediators in the pathogenesis of age related neurodegenerative diseases and development of new therapeutic approaches to those incurable diseases. This special issue will cover a wide variety of emerging research and therapies for these incurable diseases.

Potential topics include, but are not limited to:

- ▶ Oxidative stress associated inflammation in neurodegeneration
- ▶ Inflammation mediators in disease condition
- ▶ Protective strategies for neurodegenerative diseases
- ▶ Role of inflammasome in neurodegenerative diseases
- ▶ Cross talk between inflammation and aging in neurodegeneration

Authors can submit their manuscripts via the Manuscript Tracking System at <http://mts.hindawi.com/submit/journals/bmri/geriatrics/imti/>.

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