

Tentative Outline

SPECIAL ISSUE FOR CURRENT ALZHEIMER RESEARCH (CAR)

Guest Editors: Mohammad A. Kamal & Nigel H. Greig

ALZHEIMER'S DISEASE: FROM MOLECULAR MECHANISMS TO PSYCHOBIOLOGICAL PERSPECTIVES

Aims & Scope:

A myriad of neurodegenerative diseases (NDs), epitomized by Alzheimer's disease (AD), Parkinson's disease (PD) and Huntington's disease, currently impact the elderly of every nation and appear to be increasing in frequency. Whereas there are symptomatic treatments for these disorders, no disease progression altering drugs are available. In this special issue (SI), we are inviting scientists with basic and clinical medical and psychology backgrounds to contribute by submitting articles focused on common molecular mechanisms that underpin the development of NDs and, in particular, AD. An emphasis will be on potential molecular pathways leading to AD, its pathology, diagnosis – particularly by new biomarkers, management strategies, plus a psychological perspective of patients in terms of their ability and challenges to take advantage of potential behavioural strategies that may offset or limit later ND onset. Contributions from scientists that highlight these broad topics are highly desired in their review articles. A focus towards an improved understanding at a cellular, molecular-neurobiology, genetic, epigenetic, pathogenesis, diagnostic, biomarker, brain imaging, drug development or clinical level to progress strategies to better diagnose and manage AD and related psychological issues is desired. Our aim is to develop a SI that will be of significant interest for scientific researchers, educators and physicians with interests in NDs with respect to psychology as well as healthy aging.

Key words:

Central Nervous System; Alzheimer's disease; Type 2 Diabetes Mellitus; Parkinson's disease; Microbiology; Cancer; Psychology; biomarkers; neurodegeneration; Bio-informatics

Tentative title/Subtopics:

- Role of Immune System in Alzheimer's disease by Marcella Reale et al, Italy
- Nanomedicine in Alzheimer therapy by Sohail Akhter et al, Netherlands
- Cholinergic system and Post-translational modifications in Alzheimer's disease by Anwar-ul-Hassan Gilani et al, Ethiopia
- Synopsis on Alzheimer's disease with psychobiological perspectives by M.A. Kamal et al, Saudi Arabia
- Neuropsychiatric sequelae of organophosphate exposure by Shreesh Ojha et al, UAE
- Multidimensional Risk Factors for Alzheimer's disease by Alexiou et al, Greece
- Epigenetic approach towards understanding of Alzheimer's disease with psychobiological perspective by Gan SH et al, Malaysia

Schedule:

Manuscript submission deadline: July 15, 2015

Peer Review Due: August 31, 2015

Revision Due: September 15, 2015

Notification of acceptance by the Guest Editor: October 30, 2015

Final manuscripts due: November 01, 2015