

Tentative Outline

Special/Thematic Issue for the Journal Current Alzheimer Research

Modifiable Risk Factors Involved in Dementia and Cognitive Impairment: Preclinical Evidence

Guest Editor: Dr. Wataru Araki

Scope of the Thematic Issue:

Recent genetic studies have revealed genetic risk factors of dementia disorders, including Alzheimer's disease, which greatly contribute to better understanding of the etiologies of these disorders. However, not only genetic but also other modifiable risk factors, such as environmental or life style factors and metabolic factors in the body, are significantly involved in their pathological mechanisms. For example, gut microbiome, sleep, exercise, traumatic brain injury, and stress are known as important environmental or life style factors. Hypertension, hyperlipidemia, insulin resistance, and hyperhomocysteinemia are highly relevant metabolic factors. Animal models such as transgenic mice are most efficient tools in analyzing the mechanisms by which these factors affect the disease pathologies. This special issue gathers research works which provide preclinical evidence that the modifiable risk factors are critically involved in dementia and cognitive impairment. These studies will deepen our understanding of the pathophysiological roles of the modifiable risk factors in dementia.

Keywords: Alzheimer's disease, dementia, environmental risk factors, exercise, life style, metabolic factors, sleep, stress.

Sub-topics:

- Gut and oral microbiome and dementia
- Traumatic brain injury and dementia
- Metabolic risk factors of dementia: Hypertension, Hyperlipidemia, Insulin resistance; Hyperhomocysteinemia, etc.
- Sleep and dementia
- Stress and dementia
- Exercise and dementia

Schedule:

- Complete Thematic Issue Submission Deadline: **March 31st, 2024**

Contacts:

Guest Editor Name: *Dr. Wataru Araki*

Affiliation: *Department of Neurology and Neurological Science, Tokyo Medical and Dental University, Tokyo, Japan*

Email: *wataruara@yahoo.co.jp*

Any queries should be addressed to support@benthamexecutiveeditors.com