

Tentative Outline

Special Thematic Issue for the journal *Current Alzheimer Research*

Title of the Thematic Issue: Metabolic disorders and Alzheimer's disease

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Aim and Scope:

Alzheimer's disease (AD) is a Central Nervous System pathology in which cognitive decline and the accumulation in the brain of the amyloid peptide and hyperphosphorylated tau protein are hallmarks. Increasing number of studies has focused on the relationship between Alzheimer's disease and metabolic disorders, such as dysglycemia, insulin resistance, dyslipidemia, obesity, hypertension, thyroid dysfunction, uric acid and energy metabolism disorders. The etiological heterogeneity and co-morbidity pose challenges for determining the relationships among metabolic disorders. Future researches exploring underlying mechanisms of metabolic disorders and Alzheimer's disease, providing important insights into the etiology and interdependence, and updating new strategies for treating and preventing Alzheimer's disease are needed.

Keywords: Metabolic disorders, Alzheimer's disease, diabetes, dyslipidemia, obesity, hypertension, thyroid dysfunction, uric acid, energy metabolism.

The subtopics include, but are not limited to:

- Diabetes and Alzheimer's disease: underlying mechanisms and potential therapeutic targets
- Dyslipidemia and Alzheimer's disease: underlying mechanisms and potential therapeutic targets
- Obesity and Alzheimer's disease: underlying mechanisms and potential therapeutic targets
- Hypertension and Alzheimer's disease: underlying mechanisms and potential therapeutic targets
- Thyroid dysfunction and Alzheimer's disease: underlying mechanisms and potential therapeutic targets
- Uric acid level and Alzheimer's disease: underlying mechanisms and potential therapeutic targets
- Energy metabolism and Alzheimer's disease: underlying mechanisms and potential therapeutic targets
- Key mechanisms underlying associations between metabolic disorders and Alzheimer's Disease

Schedule:

- Manuscript submission deadline: March 30, 2020
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- 1st round of Reviewing due: May 30, 2020
- Revision due: June 15, 2020
- Notification of acceptance by the Guest Editor: June 30, 2020
- Submission date of the complete issue due: July 30, 2020