

## Special Issue

# Recent Advances in Metabolism of Alzheimer's Disease

### Message from the Guest Editors

This Special Issue brings together cutting-edge research and reviews that explore the intricate relationship between metabolism and neurodegeneration in Alzheimer's disease. Topics include, but are not limited to, the role of brain insulin signaling, mitochondrial dynamics, systemic metabolic diseases, such as diabetes and obesity, lipidomics and cholesterol metabolism, neuroenergetics, and the gut-brain metabolic axis. Contributions also address how genetic risk factors like APOE  $\epsilon$ 4 influence metabolic pathways and how metabolic interventions, such as ketogenic diets, caloric restriction, or antidiabetic agent, may offer strategic opportunities to support or complement therapeutic efforts.

This Special Issue is supervised by and , with assistance from Dr. Daniele Sabbatini. By integrating insights from neuroscience and biochemistry, this Special Issue aims to advance our understanding of how metabolic processes shape vulnerability and resilience to Alzheimer's disease, and to identify novel metabolic targets for early diagnosis, prevention, and treatment.

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### Guest Editors

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### Deadline for manuscript submissions

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## International Journal of Molecular Sciences

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### Message from the Editor-in-Chief

The *International Journal of Molecular Sciences (IJMS)* is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, and molecular biophysics. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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