

Our researches mainly focus on the elucidation of pathomechanism and development of therapeutic strategies for diseases, including Alzheimer's disease. Using disease models from cell lines, neuronal primary culture to mice, we have identified several potential treatments and the associate mechanisms of diseases.

Techniques used in study

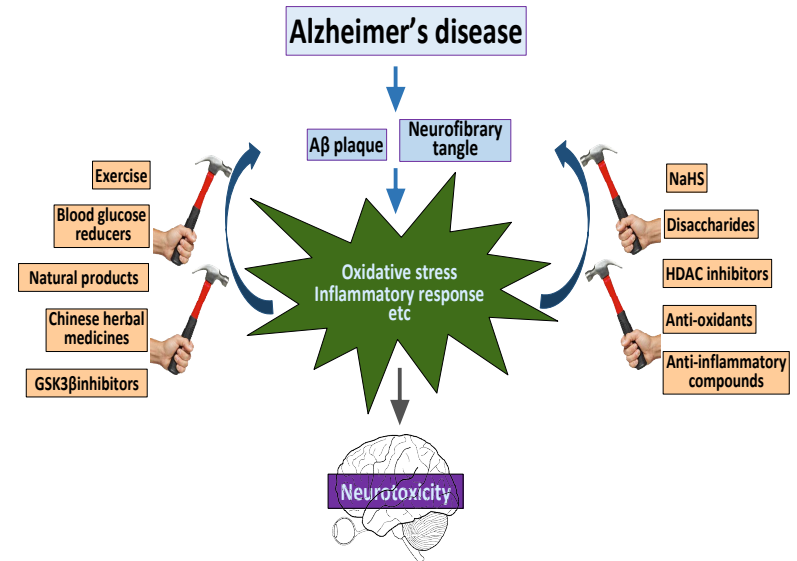
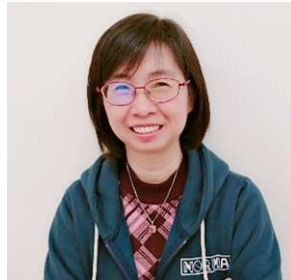
Cell culture (including primary cell culture)
Mouse culture
Mouse behavioral analyses (including Morris Water maze)
Western blot analysis
Immunofluorescent staining
Compound administration in mice

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Background:

PhD in Developmental Biology Program
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Our research achievements in the aspects of mechanism and treatment of Alzheimer's disease

Publications (corresponding author)

- LMDS-1, a Potential TrkB Receptor Agonist Provides a Safe and Neurotrophic Effect for Early-Phase Alzheimer's disease. 2020; in press.
- Neuroimaging Spectrum at Pre-, Early, and Late Symptomatic Stages of SCA17 Mice. *Cerebellum* 2020; 19: 487-500.
- Targeting Inflammation, PHA-767491 Shows a Broad Spectrum in Protein Aggregation Diseases. *J Mol Neurosci* 2020; 70: 1140-1152.

