School of Life Science

Signal transduction and Drugs screening/development

The long-term goals of our researches focus on revealing novel signaling molecules/pathways on physiological and/or pathophysiological status. Equally important, we hope to explore more potential drug hits, leads, and candidates so as to eventually develop to clinical drugs to treat Alzheimer's disease (AD) patients.

Techniques used in study

Molecular biology (Cloning, Northern/Southern blot, RNAi..
Biochemistry (Glucose metabolism, Immunoprecipitation, Antibody preparation, kinase assay, Western blot, HPLC, Thin layer Chromatography…)
Cell biology (Calcium measurement, FACS, Embryonic stem cell/C2C12 differentiation, Cortical neurons primary culture…)
Animal (Knockout, Various surgery, Vascular catheter, Perfusion, Various behavior tests…)

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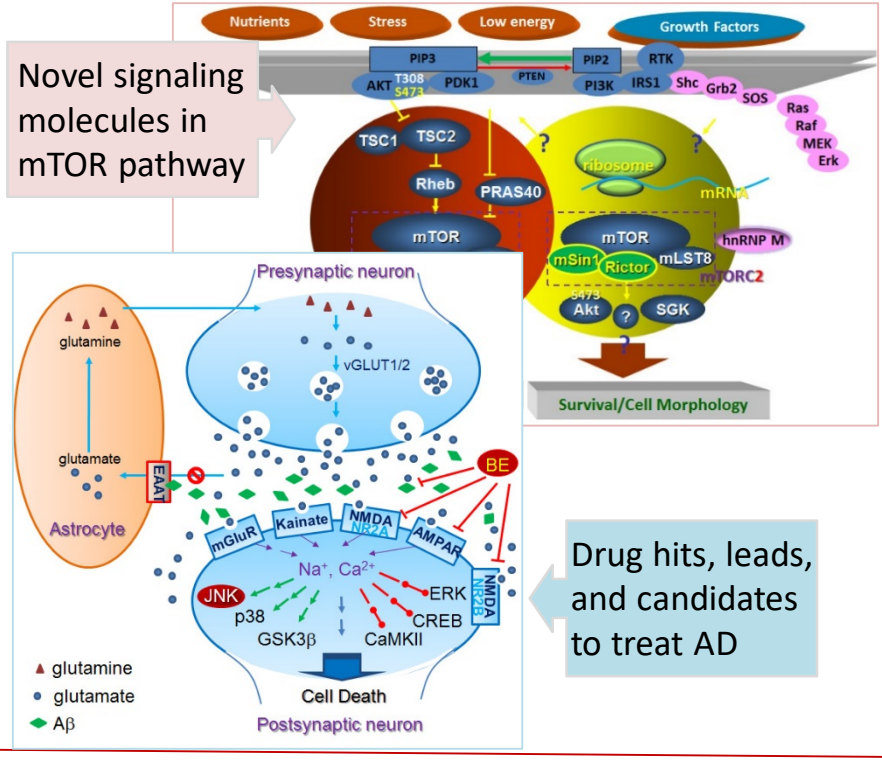
Background:

PhD in Physiology, Boston University Medical School, Boston, MA, USA

Funding:

Ministry of Science and Technology
National Taiwan Normal University



Publications

- Kuo, L.C., Song, Y.Q., Yao, C.A., Cheng, I., Chien, C.T., Lee, G.C., Yang, W.C., and Lin, Y.* (2019) Ginkgolide A prevents the Aβ-induced depolarization of cortical neurons. J Agric Food Chem 67: 81-89
- Chen, W.Y.#, Lin, C.L.#, Chuang, J.H., Chiu, F.Y., Sun, Y.Y., Liang, M.C. and Lin, Y.* (2017) Heterogeneous nuclear ribonucleoprotein M associates with mTORC2 and regulates muscle differentiation. Sci Rep 7: 41159