

# Stanford

---



## Yu-En Lin

Postdoctoral Scholar, Biochemistry

### Bio

---

#### PROFESSIONAL EDUCATION

- Doctor of Philosophy, National Taiwan University-Academia Sinica (2021)
- Master of Science, National Taiwan University (2015)
- Bachelor of Science, Taipei Medical University (2013)

#### STANFORD ADVISORS

- Suzanne Pfeffer, Postdoctoral Faculty Sponsor

### Publications

---

#### PUBLICATIONS

- **PPM1M, an LRRK2-counteracting, phosphoRab12-preferring phosphatase with a potential link to Parkinson's disease.** *Cell reports*  
Chiang, C. Y., Pratuskeviciute, N., Lin, Y. E., Adhikari, A., Yeshaw, W. M., Flitton, C., Sherpa, P. L., Tonelli, F., Rektorova, I., Lynch, T., Siuda, J., Rudzińska-Bar, M., Pulyk, et al  
2025; 44 (8): 116031
- **Restoration of striatal neuroprotective pathways by kinase inhibitor treatment of Parkinson's disease-linked LRRK2-mutant mice.** *Science signaling*  
Jaimon, E., Lin, Y. E., Tonelli, F., Antico, O., Alessi, D. R., Pfeffer, S. R.  
2025; 18 (893): eads5761
- **Endogenous LRRK2 and PINK1 function in a convergent neuroprotective ciliogenesis pathway in the brain.** *Proceedings of the National Academy of Sciences of the United States of America*  
Bagnoli, E., Lin, Y. E., Burel, S., Jaimon, E., Antico, O., Themistokleous, C., Nikoloff, J. M., Squires, S., Morella, I., Watzlawik, J. O., Fiesel, F. C., Springer, W., Tonelli, et al  
2025; 122 (5): e2412029122
- **PathogenicLRRK2mutations cause loss of primary cilia and Neurturin in striatal parvalbumin interneurons.** *Life science alliance*  
Lin, Y., Jaimon, E., Tonelli, F., Pfeffer, S. R.  
2025; 8 (1)
- **Loss of primary cilia and dopaminergic neuroprotection in pathogenic LRRK2-driven and idiopathic Parkinson's disease.** *Proceedings of the National Academy of Sciences of the United States of America*  
Khan, S. S., Jaimon, E., Lin, Y. E., Nikoloff, J., Tonelli, F., Alessi, D. R., Pfeffer, S. R.  
2024; 121 (32): e2402206121
- **Anti-depressive-like and cognitive impairment alleviation effects of *Gastrodia elata* Blume water extract is related to gut microbiome remodeling in ApoE<sup>-/-</sup> mice exposed to unpredictable chronic mild stress** *Journal of Ethnopharmacology*  
Huang\*, H., Lin\*, Y., Panyod, S., Chen, R., Lin, Y., Chai, M. L., Hsu, C., Wu, W., Lu, K., Huang, Y., Sheen, L.  
2023; 302: 115872

- **Genotoxicity and 28-day repeated dose oral toxicity study of garlic essential oil in mice.** *Journal of traditional and complementary medicine*  
Lin, Y. E., Lin, M. H., Yeh, T. Y., Lai, Y. S., Lu, K. H., Huang, H. S., Peng, F. C., Liu, S. H., Sheen, L. Y.  
2022; 12 (6): 536-544
- **Molecular Pathways Involved in LRRK2-Linked Parkinson's Disease: A Systematic Review** *INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES*  
Ravinther, A., Dewadas, H., Tong, S., Foo, C., Lin, Y., Chien, C., Lim, Y.  
2022; 23 (19)
- **Dietary Exposure to Antibiotic Residues Facilitates Metabolic Disorder by Altering the Gut Microbiota and Bile Acid Composition** *MSYSTEMS*  
Chen, R., Wu, W., Panyod, S., Liu, P., Chuang, H., Chen, Y., Lyu, Q., Hsu, H., Lin, T., Shen, T., Yang, Y., Zou, H., Huang, et al  
2022; 7 (3): e0017222
- **Glial Nrf2 signaling mediates the neuroprotection exerted by *Gastrodia elata* Blume in Lrrk2-G2019S Parkinson's disease** *ELIFE*  
Lin, Y., Lin, C., Ho, E., Ke, Y., Petridi, S., Elliott, C. J. H., Sheen, L., Chien, C.  
2021; 10
- ***Gastrodia elata* Blume water extract modulates neurotransmitters and alters the gut microbiota in a mild social defeat stress-induced depression mouse model** *PHYTOTHERAPY RESEARCH*  
Huang, Y., Choong, L., Panyod, S., Lin, Y., Huang, H., Lu, K., Wu, W., Sheen, L.  
2021; 35 (9): 5133-5142
- **Antidepressant-like effects of water extract of *Cordyceps militaris* (Linn.) Link by modulation of ROCK2/PTEN/Akt signaling in an unpredictable chronic mild stress-induced animal model** *JOURNAL OF ETHNOPHARMACOLOGY*  
Lin, Y., Chen, Y., Lu, K., Huang, Y., Panyod, S., Liu, W., Yang, S., Lu, Y., Chen, M., Sheen, L.  
2021; 276: 114194
- **Water extract of *Armillaria mellea* (Vahl) P. Kumm. Alleviates the depression-like behaviors in acute- and chronic mild stress-induced rodent models via anti-inflammatory action** *JOURNAL OF ETHNOPHARMACOLOGY*  
Lin, Y., Wang, H., Lu, K., Huang, Y., Panyod, S., Liu, W., Yang, S., Chen, M., Lu, Y., Sheen, L.  
2021; 265: 113395
- ***Poria cocos* water extract ameliorates the behavioral deficits induced by unpredictable chronic mild stress in rats by down-regulating inflammation** *JOURNAL OF ETHNOPHARMACOLOGY*  
Huang, Y., Hsu, N., Lu, K., Lin, Y., Lin, S., Lu, Y., Liu, W., Chen, M., Sheen, L.  
2020; 258: 112566
- **Alliin Modifies the Composition and Function of the Gut Microbiota in Alcoholic Hepatic Steatosis Mice** *JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY*  
Panyod, S., Wu, W., Lu, K., Liu, C., Chu, Y., Ho, C., Hsiao, W., Lai, Y., Chen, W., Lin, Y., Lin, S., Wu, M., Sheen, et al  
2020; 68 (10): 3088-3098
- **Garlic essential oil mediates acute and chronic mild stress-induced depression in rats via modulation of monoaminergic neurotransmission and brain-derived neurotrophic factor levels** *FOOD & FUNCTION*  
Huang, Y., Lu, K., Lin, Y., Panyod, S., Wu, H., Chang, W., Sheen, L.  
2019; 10 (12): 8094-8105
- **Antidepressant-like effects of water extract of *Gastrodia elata* Blume on neurotrophic regulation in a chronic social defeat stress model** *JOURNAL OF ETHNOPHARMACOLOGY*  
Lin, Y., Chou, S., Lin, S., Lu, K., Panyod, S., Lai, Y., Ho, C., Sheen, L.  
2018; 215: 132-139
- **Recent Research Progress on the Antidepressant-like Effect and Neuropharmacological Potential of *Gastrodia elata* Blume** *Current Pharmacology Reports*  
Lin, Y., Lu, K., Sheen, L.  
2018; 4: 220-237
- **Diet Supplementation with Alliin Protects against Alcoholic Fatty Liver Disease in Mice by Improving Anti-inflammation and Antioxidative Functions** *JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY*  
Panyod, S., Wu, W., Ho, C., Lu, K., Liu, C., Chu, Y., Lai, Y., Chen, W., Lin, Y., Lin, S., Sheen, L.

2016; 64 (38): 7104-7113

- **Antidepressant-like effects of water extract of *Gastrodia elata* Blume in rats exposed to unpredictable chronic mild stress via modulation of monoamine regulatory pathways** *JOURNAL OF ETHNOPHARMACOLOGY*

Lin, Y., Lin, S., Chen, W., Ho, C., Lai, Y., Panyod, S., Sheen, L.

2016; 187: 57-65

- **Anti-depressant effects of *Gastrodia elata* Blume and its compounds gastrodin and 4-hydroxybenzyl alcohol, via the monoaminergic system and neuronal cytoskeletal remodeling** *JOURNAL OF ETHNOPHARMACOLOGY*

Chen, W., Lai, Y., Lin, S., Lu, K., Lin, Y., Panyod, S., Ho, C., Sheen, L.

2016; 182: 190-199

- **Ginger Essential Oil Ameliorates Hepatic Injury and Lipid Accumulation in High Fat Diet-Induced Nonalcoholic Fatty Liver Disease** *JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY*

Lai, Y., Lee, W., Lin, Y., Ho, C., Lu, K., Lin, S., Panyod, S., Chu, Y., Sheen, L.

2016; 64 (10): 2062-2071