



Dr. YANN-LII LEU

<u>Position</u> : Professor	<u>Laboratory</u> : Natural Products
<u>Degree</u> : Ph.D	<u>Graduated from</u> : National Cheng Kung University
<u>Phone</u> : +886-3-2118800 ext. 5524	<u>E-MAIL</u> : ylleu@mail.cgu.edu.tw

Research Interests:

1. Research bioactive compounds from Chinese herbal medicine
2. Prepare standard components from Chinese herbal medicine

Publication Lists: (2016-present)

*, corresponding author

1. Chin-Chun Chen, Chan-Jung Liang, **Yann-Lii Leu**, Yuh-Lien Chen, Shu-Huei Wang “Viscolin inhibits *in vitro* smooth muscle cell proliferation and migration and neointimal hyperplasia *in vivo*” *PLoS ONE* 11(12): e0168092. doi:10.1371/journal.pone.0168092 (2016)

2. Yi-Jen Hsieh, Hsuan-Shun Huang, **Yann-Lii Leu**, Kou-Cheng Peng, Chih-Jui Chang, Meng-Ya Chang “ Anticancer activity of *Kalanchoe tubiflora* extract against human lung cancer cells *in vitro* and *in vivo*” *Environmental Toxicology*, **31**, 1663–1673 (2016)
3. Tsung-Ru Wu, Tsung-Teng Huang, Jan Martel, Jian-Ching Liaug, Chen-Yaw Chiu, **Yann-Lii Leu**, Wei-Ting Jian, I-Te Chang, Chia-Chen Lu, David M. Ojcius, Yun-Fei Ko, Hsin-Chih Lai, John D. Young “Pinicolol B from *Antrodia cinnamomea* induces apoptosis of nasopharyngeal carcinoma cells” *Journal of Ethnopharmacology*, **201**, 117-122 (2017).
4. Sin-Guang Chen, Mei-Ling Cheng, Kuan-Hsing Chen, Jim-Tong Horng, Ching-Chuan Liu, Shih-Min Wang, Hiroaki Sakurai, **Yann-Lii Leu**, Shulhn-Der Wang, Hung-Yao Ho “Antiviral activities of *Schizonepeta tenuifolia* Briq. against enterovirus 71 *in vitro* and *in vivo*” *Scientific Reports* | 7:935 | DOI: 10.1038 /s41598-017-01110-x (2017).
5. Sin-Guang Chen, **Yann-Lii Leu**, Mei-Ling Cheng, Siew Chin Ting, Ching-Chuan Liu, Shulhn-Der Wang, Cheng-Hung Yang, Cheng-Yu Hung, Hiroaki Sakurai, Kuan-Hsing Chen, Hung-Yao Ho “Anti-enterovirus 71 activities of *Melissa officinalis* extract and its biologically active constituent rosmarinic acid” *Scientific Reports* | 7:12264 | DOI:10.1038/s41598-017-12388-2 (2017).
6. Tzung-Yan Lee*, **Yann-Lii Leu*** and Chorng-Kai Wen “Modulation of HIF-1 α and STAT3 signaling contributes to anti-angiogenic effect of YC-1 in mice with liver fibrosis” *Oncotarget*, **8**, 86206-86216 (2017)
7. Chung-Ju Yeh, Chin-Chuan Chen, **Yann-Lii Leu**, Ming-Wei Lin, Mei-Miao Chiu, Shu-Huei Wang “The effects of artocarpin on wound healing: *in vitro* and *in vivo* studies” *Scientific Reports* | 7:15599 | DOI:10.1038/s41598-017-15876-7 (2017).
8. Chin-Chuan Chen, Ju-Sui Huang, Tong-Hong Wang, Chen-Hsin Kuo, Chia-Jen Wang, Shu-Huei Wang*, and **Yann-Lii Leu*** “Dihydrocoumarin, an HDAC inhibitor, increases DNA damage sensitivity by inhibiting Rad52” *International Journal Molecular Sciences*, **18**, 2655-2672 (2017).
9. Yu-Hsuan Lan, Hsiu-Hui Chan, Chuan-Nien Chuang, Tran-Dinh Thang, **Yann-Lii Leu*** “Three new chemical constituents of *Korthalsella japonica*” *Phytochemistry Letters*, **23**, 132-136 (2018).
10. Jih-Tung Pai, Yi-Chin Lee, Si-Ying Chen, **Yann-Lii Leu***, Meng-Shih Weng* “Propolin C inhibited migration and invasion via suppression of EGFR-mediated epithelial-to-mesenchymal transition in human lung cancer cells” *Evidence-Based Complementary and Alternative Medicine*, Article ID 7202548, 15 pages (2018).
11. Chi-Yuan Chen, Chin-Chuan Chen, Tzong-Ming Shieh, Chuen Hsueh, Shu-Huei Wang, **Yann-Lii Leu**, Jang-Hau Lian and Tong-Hong Wan* “Corylin suppresses hepatocellular carcinoma progression via the inhibition of epithelial-mesenchymal transition, mediated by long noncoding RNA GAS5” *International Journal Molecular Sciences*, **19**, 380-392 (2018).
12. Ahmed Alalaiwe, Chi-Feng Hung, **Yann-Lii Leu**, Kohei Tahara, Hi-Han Chen, Kai-Yin Hu and Jia-You Fang* “The active compounds derived from *Psoralea corylifolia* for

photochemotherapy against psoriasis-like lesions: The relationship between structure and percutaneous absorption” *European Journal of Pharmaceutical Sciences*, **124**, 114-126 (2018).

13. Hung-Yuan Li¹, **Yann-Lii Leu**¹, Ya-Chieh Wu, Shu-Huei Wang* “Melatonin inhibits in vitro smooth muscle cell inflammation and proliferation and atherosclerosis in apolipoprotein E-deficient mice” *Journal of Agricultural and Food Chemistry*, **67**, 1889-1901 (2019)
14. Chin-Chuan Chen, Ting-Yau Lee, **Yann-Lii Leu** and Shu-Huei Wang* “Pigment epithelium-derived factor inhibits adipogenesis in 3T3-L1 adipocytes and protects against high-fat diet-induced obesity and metabolic disorders in mice” *Translational Research*, **210**, 26-42 (2019).
15. Po-Jen Chen, I-Ling Ko, Chia-Lin Lee, Hao-Chun Hu, Fang-Rong Chang, Yang-Chang Wu, **Yann-Lii Leu**, Chih-Ching Wu, Cheng-Yu Lin, Chang-Yu Pan, Yung-Fong Tsai and Tsong-Long Hwang* “Targeting allosteric site of AKT by 5,7-dimethoxy-1,4-phenanthrenequinone suppresses neutrophilic inflammation” *EBioMedicine*, **40**, 528-540 (2019).
16. Yi-Hsuan Lin, Helen Luck, Saad Hhan, Pierre H, H, Schneeberger, Sue Tsai, Xavier Clemente-Casares, Helena Lei, **Yann-Lii Leu**, Yi-Tao Chan, Hsing-Yu Chen, Sien-Hung Yang, Bryan Coburn, Shawn Winer, Daniel A, Winer* “Aryl hydrocarbon receptor agonist indigo protects against obesity-related insulin resistance through modulation of intestinal and metabolic tissue immunity” *International Journal of Obesity*, 2019 Apr 3. doi: 10.1038/s41366-019-0340-1
17. Chen-Hsin Kuo¹, **Yann-Lii Leu**¹, Tong-Hong Wang, Wei-Che Tseng, Chun-Hao Feng, Shu-Huei Wang, Chin-Chuan Chen “A novel DNA repair inhibitor, diallyl disulfide (DADS), impairs DNA resection during DNA double-strand break repair by reducing Sae2 and Exo1 levels” *DNA repair*, **82**, 102690-102700 (2019).
18. Tong-Hong Wang¹, **Yann-Lii Leu**¹, Chin-Chuan Chen, Tzong-Ming Shieh, Jang-Hau Lian, Chi-Yuan Chen* “Psorachromene suppresses oral squamous cell carcinoma progression by inhibiting long non-coding RNA GAS5 mediated epithelial-mesenchymal transition” *Frontiers in Oncology*, **9**, article 1168 (2019).
19. Li-Fang Chou, Chi-Yuan Chen, Wan-Hua Yang, Chin-Chuan Chen, Junn-Liang Chang, **Yann-Lii Leu**, Miaw-Jene Liou, Tong-Hong Wang* “Suppression of hepatocellular carcinoma progression through FOXM1 and EMT inhibition via hydroxygenkwanin-induced miR-320a expression” *Biomolecules*, **10**, 20-34 (2020)
20. Chi-Yuan Chen, Chi-Chuan Chen, Wen-Yu Chung, **Yann-Lii Leu**, Shir-Hwa Ueng, Chuen Hsueh, Chau-Ting Yeh*, Tong-Hong Wang* “Hydroxygenkwanin inhibits class I HDAC expression and synergistically enhances the antitumor activity of Sorafenib in liver cancer cells” *Frontiers in Oncology*, **10**, article 216 (2020).
21. **Yann-Lii Leu**¹, Tong-Hong Wang¹, Chin-Ching Wu, Kuo-Yen Huang, Yu-Wen Jiang, Yi-Chiung Hsu*, Chi-Yuan Chen* “Hydroxygenkwanin suppression non-small cell lung

cancer progression by enhancing EGFR degradation” *Molecules*, **25**, 941-952 (2020)

22. Yu-Hsuan Lan *, Chia-Hung Yen, **Yann-Lii Leu*** “Chemical constituents from the aerial parts of *Euphorbia formosana* Hayata and their chemotaxonomic significance” *Biochemical Systematics and Ecology*, **88**, 103967 (2020)
23. Chin-Chuan Chen, Hung-Yuan Li, **Yann-Lii Leu**, Yu-Ju Chen, Chia-Jen Wang, Shu-Huei Wang* “Corylin inhibits vascular cell inflammation, proliferation and migration and reduces atherosclerosis in ApoE-deficient mice” *Antioxidants*, **9**, 275 (2020)
24. Chi-Yuan Chen, Jia-You Fang, Chi-Chuan Chen, Wen-Yu Chung, **Yann-Lii Leu**, Shir-Hwa Ueng, Li-Shan Wei, Shu-Fang Cheng, Chuen Hsueh, Tong-Hong Wang*
“2-*O*-Methylmagnolol, a magnolol derivative, suppresses hepatocellular carcinoma progression *via* inhibiting class I histone deacetylase expression” *Frontiers in Oncology*, **10**, article 1319 (2020).

Patents:

1. Yun-Fei Ko, Jan Martel, Jian-Ching Liao, Wei-Ting Jian, I-Te Chang, Chen-Yaw Chiu, **Yann-Lii Leu**, Tsung-Ru Wu, Tsung-Teng Huang, Chia-Chen Lu, David Marcelo Ojcius, Hsin-Chih Lai, Ding-E Young, Compound isolated from *Antrodia cinnamomea*, method from making the same and use thereof, TW I538671.



