

放入個人照片位置



Dr. Hsiang-Ruei Liao

<u>Position:</u> Associate Professor	<u>Laboratory :</u> Natural Products Pharmacology
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Research Interests:

- Inflammation and Neutrophil extracellular trap (NET) formation
- Signal transduction
- Platelet biology and vascular disease.
- Anti-thrombosis drug development.

Publication Lists: (2011-present)

1. Chen, J. J., Tsai, T. H., **Liao, HR.**, Chen, L. C., Kuo, Y. H., Sung, P. J., ... & Wei, C. S. New Sesquiterpenoids and Anti-Platelet Aggregation Constituents from the Rhizomes of *Curcuma zedoaria*. (2016). *Molecules*, 21(10), 1385.

2. **Liao HR**, Chien CR, Chen JJ, Lee TY, Lin SZ, Tseng CP. The anti-inflammatory effect of 2-(4-hydroxy-3-prop-2-enyl-phenyl)-4-prop-2-enyl-phenol by targeting Lyn kinase in human neutrophils. (2015) Chem Biol Interact.
3. Chen LC, **Liao HR**, Chen PY, Kuo WL, Chang TH, Sung PJ, Wen ZH, Chen JJ. Limonoids from the Seeds of Swietenia macrophylla and Their Anti-Inflammatory Activities. (2015) Molecules. Oct 12;20(10):18551-64.
4. Chang YW, Hsieh PW, Chang YT, Lu MH, Huang TF, Chong KY, **Liao HR**, Cheng JC, Tseng CP. Identification of a novel platelet antagonist that binds to CLEC-2 and suppresses podoplanin-induced platelet aggregation and cancer metastasis. (2015) Oncotarget. Dec 15;6(40):42733-48.
5. Kuo WL, **Liao HR**, Chen JJ. Biflavans, Flavonoids, and a Dihydrochalcone from the Stem Wood of Muntingia calabura and Their Inhibitory Activities on Neutrophil Pro-Inflammatory Responses. (2014) Molecules.
6. Chuang LP, Chen NH, Lin SW, Chang YL, **Liao HR**, Lin YS, Chao IJ, Lin Y, Pang JH. Increased C-C chemokine receptor 2 gene expression in monocytes of severe obstructive sleep apnea patients and under intermittent hypoxia. (2014) PLoS One Nov 20;9(11):e113304.
7. Tseng WL, Chen TH, Huang CC, Huang YH, Yeh CF, Tsai HJ, Lee HY, Kao CY, Lin SW, **Liao HR**, Cheng JC, Tseng CP. Impaired thrombin generation in Reelin-deficient mice: a potential role of plasma Reelin in hemostasis.(2014). J Thromb Haemost. Dec;12(12):2054-64.
8. Chen JJ, Wang TC, Yang CK, **Liao HR**, Sung PJ, Chen IS, Cheng MJ, Peng CF, Chen JF. New pterosin sesquiterpenes and antitubercular constituents from Pteris ensiformis. (2013) Chem Biodivers. Oct; 10(10): 1903-8.
9. Lin CH, Chang HS, **Liao HR**, Chen IS, Tsai IL. Triterpenoids from the Roots of Rhabdiolepis indica var. tashiroi and Their Anti-Inflammatory Activity. (2013) Int J Mol Sci. Apr 24;14(5): 8890-8.
10. Liu FC, Liou JT, **Hsiang-Ruei Liao**, Mao CC, Yang P, Day YJ. The anti-aggregation effects of ondansetron on platelets involve IP3 signaling and MAP kinase pathway, but not 5-HT3-dependent pathway. (2012) Thromb Res.130(3):e84-94.
11. Liu FC, Day YJ, Liou JT, Yu HP, **Hsiang-Ruei Liao**. Splitomicin inhibits fMLP-induced superoxide anion production in human neutrophils by activate cAMP/PKA signaling inhibition of ERK pathway. (2012) Eur J Pharmacol. 688(1-3):68-75.
12. **Hsiang-Ruei Liao***, Jih-Jung Chen, Yin-Huan Chien, Shinn-Zhi Lin, Shunchih Lin^a Ching-Ping Tseng. 5-hydroxy-7-methoxyflavone inhibits *N*-formyl-L-methionyl-L-leucyl-L-phenylalanine-induced superoxide anion production by specific modulate membrane localization of Tec with a PI3K independent mechanism in human neutrophils. (2012) Biochemical Pharmacology. 84(2): 182-91

13. Mei-Chi Chang , Tong-Mei Wang , Sin-YuetYeung , Po-YuanJeng , **Chang-Hui Liao** , Tzu-Yung Lin , Chiu-Chun Lin, Bor-RuLin, Jjiang-Huei Jen,.Antiplatelet effect by p-cresol, a uremic and environmental toxicant, isrelated to inhibition ofreactiveoxygenspecies, ERK/p38 signaling and thromboxaneA2 production. (2011) Atherosclerosis. 219: 559-565.
14. Liou BJ, Chang HS, Wang GJ, Chiang MY, **Chang-Hui Liao**, Lin CH, Chen IS. Secondary metabolites from the leaves of Neolitsea hiiranensis and the anti-inflammatory activity of some of them. (2011) Phytochemistry 72: 415-422.

Patents:

以下放置各研究室活動照片（至少四張）













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