

Curriculum Vitae

Cheng, Yu-Wen (鄭幼文)

Current Position

Professor, School of Pharmacy, Taipei Medical University, Taipei, Taiwan, 11031. No. 250 Wu-Hsing Street, Taipei, Taiwan. Phone:02-27361661-6123 E-Mail: ywcheng@tmu.edu.tw .	教授 藥學系 台北醫學大學 台北市吳興街 250 號
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Education:

1995/09-1999/06	PhD College of Medicine Institute of Toxicology National Taiwan University	國立台灣大學醫學院 毒理學研究所博士
1993/09-1995/06	Master College of Medicine Institute of Toxicology National Taiwan University	國立台灣大學醫學院 毒理學研究所碩士
1987/09-1990/06	Bachelor of Science Food and Nutrition Department Shih-Chien University	私立實踐大學食品營 養系

Employment experience

2016/08~2017/07	Visiting Scholar Institute of Pharmacy University of Houston	美國德州休士頓大學 大學藥學院藥學系訪 問學者
2012/02~present	Professor School of Pharmacy Taipei Medical University	臺北醫學大學藥學系 教授
2007/02-2007/10	Visiting Scholar Institute of Toxicology and Pharmacology College of Medicine Texas A&M University	美國德州農工大學藥 理及毒理研究所訪問 學者
2005/02-2012/01	Associate Professor School of Pharmacy Taipei Medical University	臺北醫學大學藥學系 副教授
2000/08-2005/01	Assistant Professor School of Pharmacy Taipei Medical University	臺北醫學大學藥學系 助理教授

1999/08-2000/07 Institute of Biomedical Sciences 中央研究院生物醫學
Academia Sinica 研究所博士後研究員

Committee and Review Panels for Government

MOHW GMO advisory committee member	衛福部基因改造食品 審議委員會委員
MOHW GMO review committee member	衛福部基因改造食品 諮議會委員
MOHW health food review committee member	衛福部健康食品審議 委員會委員
MOHW GLP certificate review committee member	衛福部實驗室認證審 議小組(GLP 領域)委 員
MOHW BSE advisory committee member	衛福部牛海綿狀腦病 專家諮詢會委員
MOHW Drug advisory committee member	衛福部藥品審議委員 會委員

Research Topic

1. Drugs Development of Anti mucositis and Anticancer.
2. Drugs Development of Retinopathy and Age-Relative Macular Degeneration Diseases.
3. Toxicity testing for food, drugs, and cosmetics.

Research in our laboratory is focused on the development of the drug as anticancer, anti-mucositis, anti-inflammatory agents and the treatment of retinopathy and AMD. One of our newly developed compounds was granted from MOE showed significant mucositis inhibition on chemotherapy-induced whole body animal intestinal mucositis on C57BL/B6 mice. We also developed a retinopathy animal model as a platform for screening light, drugs, toxins, and environmental agents induced eye diseases, especially on dry-form AMD.

Specialties

Toxicology, Pharmacology, Food safety

Scientific Societies

Member, The Pharmaceutical Society of Taiwan
Member, The Pharmacological Society in Taiwan
Member, The Toxicology Society of Taiwan

Awards and Honors

NSC special talents award (2000~2022)

Review

- Annual Research & Review in Biology, a peer reviewer.
- Food and Chemistry Toxicology, a peer reviewer.
- Evidence-Based Complementary and Alternative Medicine, a peer reviewer.
- Journal of Agricultural and Food Chemistry, a peer reviewer.
- Medical Research Archives, a peer reviewer

Patents

Wang HP, Lee O, Cheng YW, Wang CL, Chang FS, Hsiao CC(2012).Histone Deacetylase Inhibitors (US patent, 12-781,979).

Wang HP, Lee O, Cheng YW, Wang CL, Chang FS, Hsiao CC(2012).組織蛋白去乙酰酶抑制劑 HISTONE DEACETYLASE INHIBITORS. Taiwan Patent (099116007).

Wang HP, Lee O, Cheng YW, Wang CL, Chang FS, Hsiao CC(2012).組蛋白去乙酰酶抑制劑. China Patent (201010198533.7).

Wang HP, Lee O, Cheng YW, Wang CL, Chang FS, Hsiao CC(2012).Histone deacetylase inhibitors. India Patent (1383/DEL/2011).

Wang HP, Lee O, Cheng YW, Wang CL, Chang FS, Hsiao CC(2012).Histone deacetylase inhibitors. Euro Patent (11166373.8).

Publications

1. Chan YJ, Liao PL, Tsai CH, **Cheng YW**, Lin FL, Ho JD, Chen CY, Li CH* (2021) Titanium dioxide nanoparticles impair the inner blood-retinal barrier and retinal electrophysiology through rapid ADAM17 activation and claudin-5 degradation. Particle and Fibre Toxicology.(18):1-16. (IF:9.4; 3.2%) SCI
2. Hsu, TJ, Nepali, K, Tsai, CH, Lin FL, Hsiao, G, Lai, MJ*, **Cheng YW*** (2021) The HDAC/HSP90 Inhibitor G570 Attenuated Blue Light-Induced Cell Migration in RPE Cells and Neovascularization in Mice through Decreased VEGF Production. Molecules. (26):4359--4378. (IF:4.411; 35.4%) SCI (本人為通訊作者)
3. Chang YD, Li CH, Tsai CH, **Cheng YW**, Kang JJ, Lee CC* (2020) Aryl hydrocarbon receptor deficiency enhanced airway inflammation and remodeling in a murine chronic asthma model. FASEB Journal. 34(11):15300-15313. (IF:5.11; 15.1%) SCI
4. Tsai CH, Fang TC, Liao PL, Liao JW, Chan YJ, **Cheng YW***, Li CH* (2020) The Powdered Root of Eurycoma longifolia Jack Improves Beta-Cell Number and Pancreatic Islet Performance through PDX1 Induction and Shows Antihyperglycemic Activity in db/db Mice. Nutrients 12(7):2111-2126. (IF:5.717;

19.1%) SCI (本人為通訊作者)

5. Tsai CH, Lee Y, Li CH, **Cheng YW*** and Kang JJ* (2019) Down-regulation of aryl hydrocarbon receptor intensifies carcinogen-induced retinal lesion via SOCS3-STAT3 signaling. *Cell Biology and Toxicology*. (IF: 6.691; 6.5%) SCI (本人為通訊作者)
6. Tsai CH, Li CH, Liao PL, **Cheng YW*** and Kang JJ* (2019) Aza-PBHA, a potent histone deacetylase inhibitor, inhibits human gastric cancer cell migration via PKCa-mediated AHR-HDAC interactions. *BBA- Molecular Cell Research*. (IF:4.739; 18.4%) SCI (本人為通訊作者)
7. Chen CY, Liao PL, Tsai CH, Chan YJ, **Cheng YW**, Hwang LL, Lin KH, Yen TL, Li CH* (2019) Inhaled gold nanoparticles cause cerebral edema and upregulate endothelial aquaporin 1 expression, involving caveolin 1 dependent repression of extracellular regulated protein kinase activity. *Particle & Fibre Toxicology* (IF: 6.561; 3.2%)
8. Liao PL, Huang SH, Hung CH, Huang WK, Tsai CH, Kang JJ, Wang HP and **Cheng YW*** (2019) Efficacy of Azatyrosine-Phenylbutyric Hydroxamides, a Histone Deacetylase Inhibitor, on Chemotherapy-Induced Gastrointestinal Mucositis. *Journal of Molecular Sciences*. 20: 249-265. (IF: 3.687 ;30.4 %) SCI (本人為通訊作者)
9. Lin FL, Yen JL, Kuo YC, Kang JJ, Cheng YW, Huang WJ, Hsiao G, (2019). HADC8 inhibitor WK2-16 therapeutically targets lipopolysaccharide-induced mouse model of neuroinflammation and microglial activation. *International Journal of Molecular Sciences*. 20(2):410-430.
10. Lin CH, Lin CHWu MR, Huang WJ, Chow DSL, Hsiao G, **Cheng YW*** (2019) Low-luminance blue light-enhanced phototoxicity in A2E-laden RPE cell cultures and rats. *International Journal of Molecular Sciences*. (20):1799-1818. (IF: 3.687 ;30.4 %) SCI (本人為通訊作者)
11. Tse LS, Tse LS, Liao PL, Tsai CH, Li CH, Liao JW, Kang JJ, **Cheng YW*** (2019) Glycemia Lowering Effect of an Aqueous Extract of *Hedychium coronarium* Leaves in Diabetic Rodent Models. *Nutrients*. 11: 629-641. (IF: 4.619 ; 21.7 %) SCI (本人為通訊作者)
12. Lin FL, **Cheng YW**, Yu M, Ho JD, Kuo YC, Chiou GCY, Chang HM, Lee TH, Hsiao G. (2019) The fungus-derived retinoprotectant theissenolactone C improves glaucomalike injury mediated by MMP-9 inhibition. *Phytomedicine* 56: 207–214. (IF: 3.610 ; 7.4 %) SCI
13. Hsu HL, Liao PL, **Cheng YW**, Huang SH, Wu CH, Li CH, Kang JJ (2019) Chloramphenicol Induces Autophagy and Inhibits the Hypoxia Inducible Factor-1 Alpha Pathway in Non-Small Cell Lung Cancer Cells. *International Journal of Molecular Sciences*. 20: 157-173. (IF: 3.687 ; 30.4 %) SCI
14. Wu MR, Lin CH, Ho JD, Hsiao G, **Cheng YW*** (2018) Novel Protective Effects of *Cistanche Tubulosa* Extract Against Low-Luminance Blue Light-Induced Degenerative Retinopathy. *Cell Physiol Biochem* 51:63-79. (IF: 5.5 ;9.6 %) SCI (本人為通訊作者)
15. Liao PL, Li CH, Tse LS, Kang JJ*, **Cheng YW*** (2018) Safety assessment of the *Cistanche tubulosa* health food product Memoregain®: Genotoxicity and 28-day repeated dose toxicity test. *Food and Chemical Toxicology*. (118): 581-588. (IF: 3.977 ;7.5 %) SCI (本人為通訊作者)
16. Lin FL, Ho JD, **Cheng YW**, Chiou G. C.Y, Yen JL, Chang HM, Lee TH, Hsiao G.

- (2018) Theissenolactone C Exhibited Ocular Protection of Endotoxin-Induced Uveitis by Attenuating Ocular Inflammatory Responses and Glial Activation. *Front Pharmacology* 9:326-340. (IF: 3.831 ;18.4 %) SCI
17. Jan JS , Chou YC, **Cheng YW**, Chen CK, Huang WJ* and George Hsiao* (2017) The Novel HDAC8 Inhibitor WK2-16 Attenuates Lipopolysaccharide-Activated Matrix Metalloproteinase-9 Expression in Human Monocytic Cells and Improves Hypercytokinemia in Vivo. *International Journal of Molecular Science*. Jun 29;18(7). 1394-1414. (IF: 3.687 ; 30.4 %) SCI
 18. Liao PL, Lin CH, Ho JD, Li CH, Tsai CH, Chiou GCY, Kang JJ, **Cheng YW*** (2017) Anti-inflammatory properties of shikonin contribute to improved early-stage diabetic retinopathy. *Scientific Report* , Mar 21; 7:44985. (IF: 4.259; 15.6 %) SCI (本人為通訊作者)
 19. Tsai CH, Li CH, **Cheng YW**, Lee CC, Liao PL, Lin CH; Huang SH, Kang JJ (2017). The inhibition of lung cancer cell migration by AHR-regulated autophagy. *Scientific Report*, 14; 7:41927. (IF: 4.259; 15.6 %) SCI
 20. Lin CH, Wu MR, Li CH, Cheng HW, Huang SH, Tasi CH; Ho JD, Kang JJ; Hsiao G; **Cheng YW*** (2017) Periodic exposure to smartphone-mimic low-luminance blue light induces retina damage through Bcl-2/BAX-dependent apoptosis. *Toxicological Science*, May 1;157(1):196-210. (IF: 4.081;12.0 %)SCI (本人為通訊作者)
 21. Lin FL, Lin CH, Ho JD, Yen JL, Chang HM, George C.Y.Chiou; **Cheng YW***, Hsiao G* (2017).The natural retinoprotectant chrysophanol attenuated photoreceptor cell apoptosis in an N-methyl-N-nitrosourea-induced mouse model of retinal degeneration. *Scientific Report*. (IF: 4.259;15.6 %) SCI (本人為通訊作者)
 22. Li CH, Liu CW, Tsai CH, Peng YJ, Yang YH, Liao PL, Lee CC, **Cheng YW***, Kang JJ* (2017) Cytoplasmic aryl hydrocarbon receptor regulates glycogen synthase kinase 3 beta, accelerates vimentin degradation, and suppresses epithelial-mesenchymal transition in non-small cell lung cancer cellsL. *Archive in Toxicology*, May; 91(5):2165-2178. (IF: 5.901;5.4 %) SCI (本人為通訊作者)
 23. Lee CC, Yang WH, Li CH, **Cheng YW**, Tsai CH, Kang JJ (2016) Ligand-independent aryl hydrocarbon receptor inhibits lung cancer. *Cancer Lett* Jul 1, 376(2):211-217. (IF: 5.621;11.4 %) SCI
 24. Li CH, Shyu MK, Jhan C, **Cheng YW**, Tsai CH, Liu CW, Chen RM, Kang JJ*. (2015) Gold Nanoparticles Increase Endothelial Paracellular Permeability by Altering Components of Endothelial Tight Junctions, and Increase Blood-Brain Barrier Permeability in Mice. *Toxicological Science* Nov, 148 (1): 192-203. (IF: 3.85;12.5 %) SCI
 25. Tsai CH, Li CH, Liao PL, **Cheng YW**, Lin CH, Huang SH, Kang JJ*. (2015) NcoA2-Dependent Inhibition of HIF-1 α Activation Is Regulated via AHR. *Toxicological Science*. Sep. 8, 148(2):517-530. (IF: 3.85;12.5 %) SCI
 26. Lin CH, Liao PL, Hsiao G, Li CH, Huang SH, Tsai CH, Wu MR, Ho JD, Cheng HW, **Cheng YW*** (2015). Long-term fluorometholone topical use induces ganglion cell damage in rats analyzed with optical coherence tomography. *Toxicological Science*. Oct, 147(2):317-325. (IF: 3.85;12.5 %) SCI (本人為通訊作者)
 27. Wang CL, Lee O, Hsiao G, Lian JF, **Cheng YW*** (2014) Novel Piperazinediones as Antitumor Agents. *Anticancer Research*. 34(8):4013-4019. (IF: 1.87; 71.4 %) SCI (本人為通訊作者)

28. Liu CW, Li CH, Peng YJ, **Cheng YW**, Chen HW, Liao PL, Kang JJ, Yun MH (2014) Snail regulates Nanog status during the epithelial-mesenchymal transition via the Smad1/Akt/GSK3 β signaling pathway in non-small-cell lung cancer. *Oncotarget*.(5):3880-3894. (IF: 6.63; 8.4 %) SCI
29. Wang CL, Chen CK, Wand YH, **Cheng YW***(2014) In Search of the Active Metabolites of an Anticancer Piperazinedione,TW01003, in Rats. *BioMed Research International* (accepted) (IF: 2.88; 31.4 %) SCI (本人為通訊作者)
30. Lin CD, Kou YY, Liao CY, Li CH, Huang SP, **Cheng YW**, Liao WC, Chen HX, Wu PL, Kang JJ, Lee CC, Lai CH (2014).Zinc oxide nanoparticles impair bacterial clearance by macrophages. *Nanomedicine (Lond)*. (9):1327-1339.
31. Li CH, Liao PL, Yang YT, Huang SH, Lin CH, **Cheng YW***, Kang JJ* Minocycline accelerates hypoxia-inducible factor-1 alpha degradation and inhibits. *Archives of Toxicology*. 2014 88(3):659-71. (IF:5.215 ; 7.1%) SCI. (本人為通訊作者)
32. Li CH, Liao JW,Liao PL,Tse LS,Lin CH,Kang JJ, **Cheng YW*** Evaluation of acute, 13-week subchronic toxicity and genotoxicity of the powdered root of Tongkat Ali (*Eurycoma long folio* Jack). *Evid Based Complement Alternat*. 2013 (1):1-11. (IF:1.722; 38.1%) SCI. (本人為通訊作者)
33. Lin CH, Li CH, Liao PL, Tse LS, Huang WK, **Cheng YW***(2013) Silibinin inhibits VEGF secretion and age-related macular degeneration in a hypoxia-dependent manner through the PI-3 kinase/Akt/mTOR pathway. *British Journal Pharmacology* 168(4):920-931. (IF:5.067; 8.1%) SCI (本人為通訊作者)
34. Liao PL, Li CH, Chang CY, Liu SR, Lin CH, **Cheng YW*** (2012) Anti-ageing effects of alpha-naphthoflavone on normal and UVB-irradiated human skin fibroblasts. *Experimental Dermatology* (21):535-561. (IF: 3.578; 10.3%) SCI (本人為通訊作者)
35. Chung CL, Sheu JR, Chen WL, Chou YC, **Cheng YW***, Hsiao G* (2012). Histone deacetylase inhibitor CBHA attenuates PAI-1 expression in human pleural mesothelial cells. *American Journal of Respiratory Cell and Molecular Biology* (46):437-445. (IF:5.125; 10.4%) SCI (本人為通訊作者)
36. Lee WR, Chung CL, Hsiao CJ, Chou YC, **Cheng YW***, Hsiao G* (2012) Suppression of matrix metalloproteinase-9 expression by andrographolide in. *Phytomedicine* (19):270-277. (IF:2.972; 9.5%) SCI (本人為通訊作者)
37. Lee CC, Huang SH, Yang YT, **Cheng YW**, Li CH, Kang JJ* (2012) Motorcycle exhaust particles up-regulate expression of vascular adhesion molecule-1 and intercellular adhesion molecule-1 in human umbilical vein endothelial cells. *Toxicology in Vitro* (26):552-560. (IF: 2.775; 38.6%) SCI
38. Li CH, Shen CC, **Cheng YW**, Huang SH, Wu CC, Kang JJ (2012). Organ biodistribution, clearance, and genotoxicity of orally administered zinc oxide nanoparticles in mice. *Nanotoxicology*. (Accepted). (IF:5.758; 4.8%) SCI
39. Wu CJ, Chou YC, **Cheng YW**, Hsiao CJ, Hsiao G* (2011).Aristolochic acid downregulates monocytic matrix metalloproteinase-9 by inhibiting nuclear factor- κ B activation. *Chem-Biol Interaction*.(15):209-219. (IF:2.865; 33.7%) SCI
40. Lee CC, Kang JJ, Chiang BL, Wang CN, **Cheng YW** (2011). Shikonin inhibited mitogen-activated IL-4 and IL-5 production on EL-4 cells through downregulation of GATA-3 and c-Map induction. *Life Science*.(89):364-370. (IF: 2.572; 41%)

SCI

41. Li CH, Liao PL, Shyu ML, Huang SH, **Cheng YW**, Kang JJ* (2011) Zinc oxide nanoparticles induced intercellular adhesion molecule 1 expression requires Rac1/Cdc42, mixed-lineage kinase 3, and c-Jun N-terminal kinase activation in endothelial cells. *Toxicological Science* (126):162-172.(IF:4.652; 10.8%) SCI
42. **Cheng YW**, Cheah KP, Lin CW, Lin JS, Yu WY, Hu CM* (2011) Myrrh mediates haem oxygenase-1 expression to suppress the lipopolysaccharide-induced inflammatory response in RAW264.7 macrophages. *J Pharm Pharmacol.*(63):1211-1218. (IF:2.175; 49%) SCI
43. Lee CC, Wang CN, Liao YT, Kang JJ, Liao JW, **Cheng YW** (2010) Shikonin Inhibited Bone Marrow-Derived Dendritic Cell Maturation and Suppressed Allergic Airway Inflammation in a Murine Model of Asthma. *British Journal of Pharmacology.*(16):1496-1511. (IF: 4.409; 13.4%) SCI
44. Li CH, **Cheng YW**, Hsu YT, Hsu YJ, Liao PL and Kang JJ* (2010) Benzo[a]pyrene inhibits angiogenic factors-induced $\alpha v \beta 3$ integrin expression, neovasculogenesis, and angiogenesis in human umbilical vein endothelial cells. *Toxicological Science* (118):544-553. (IF:4.652; 10.8%) SCI
45. **Cheng YW**, Lee SS, Liao JW, Cheng HW, Li CH, Liao PL, Kang JJ* (2010). Safety assessment of musk substitute from nutria of myocastor coypus in mice. *Journal of Food and Drug Analysis.* Vol(18). No. 6, 380-390. (IF: 0.643; 69.5%) SCI
46. Li CH, **Cheng YW**, Liao PL, Kang JJ* (2010) Translocation of p53 to mitochondria is regulated by its lipid binding property to anionic phospholipids and it participates in cell death control. *Neoplasia* 12, 150-60. (IF: 5.946; 10.8%) SCI
47. Li CH, **Cheng YW**, Liao PL, Yang YT, Kang JJ* (2010) Chloramphenicol causes mitochondrial stress, decreases ATP biosynthesis, induces matrix metalloproteinase-13 expression and solid-tumor cell invasion. *Toxicological Science* 116, 140-150. (IF:4.652; 10.8%) SCI
48. Liao PL, **Cheng YW**, Lee CH, Kang JJ* (2010) 7-Ketocholesterol and cholesterol-5 α , 6 α -epoxide induce smooth muscle cell migration and proliferation through the epidermal growth factor receptor/phosphoinositide 3-kinase/Akt signaling pathways. *Toxicology Letters* 197, 88-96. (IF:3.230; 22.9%) SCI
49. **Cheng YW**, Liao PL, Li CH, Lo YL, Kang JJ* (2009) Cholesterol-3- β , 5- α , 6- β -triol induced PI3K-Akt-eNOS-dependent cox-2 expression in endothelial cells. *Toxicology Letters* 28, 172-178. (IF:3.230; 22.9%) SCI
50. Chen YT, Hung DZ, Chou CC, Kang JJ, **Cheng YW**, Liao JW* (2009) Vasorelaxation effects of 2-chloroethanol and chloroacetaldehyde in the isolated rat aorta rings. *Journal of Health Science* 55, 525-531. (IF:0.805; 94%) SCI
51. Lin MC, Cheng HW, Tsai YC, Liao PL, **Cheng YW*** (2009) Podophyllin, but not the constituents of quercetin and kaempferol, induced genotoxicity in vitro and in vivo through ROS production. *Drug and Chemical Toxicology* 32, 68-76.(IF:1.082; 57.2%) SCI (本人為通訊作者)
52. **Cheng YW**, Chang CY, Lin KL, Hu CM, Lin CH, Kang JJ* (2008) Shikonin derivatives inhibited LPS-induced NOS in RAW 264.7 cells via downregulation of MAPK/NF-kB signaling. *Journal of Ethnopharmacology* (120):264-271.
53. **Cheng YW**, Chiou CY (2008) Antioxidant effect of hydralazine on retinal

- pigment epithelial cells and its potential therapy of age-relative muscular degeneration. *International Journal of Ophthalmology* (8):1059-1064.
54. Lee CC, **Cheng YW**, Liao JW, Chiang BL, Kang JJ (2008) Motorcycle exhaust particles augment antigen-induced airway inflammation in BALB/c mice. *J Toxicol Environ Health A*. 71(6):405-12.(71):405-412.
 55. Lin MC, Lin JH, Chen SK, **Cheng YW**, Cheng HW (2008) Simultaneous determination of podophyllotoxin, quercetin, and kaempferol in podophyllin by liquid chromatography Tandem Mass Spectrometry. *Journal of Food and Drug analysis* (16):29-40.
 56. Tzeng SL, **Cheng YW**, Li CH, Lin YS, Hsu HC, Kang JJ* (2006) Physiological and functional interactions between TCF4 and DAXX in colon cancer cells. *Journal of Biological Chemistry* (281):15405-15411.
 57. Kang JJ, Lee PJ, Chen YJ, Cheng HW, Lee CC, Li CH and **Cheng YW*** (2006) Naphthazarin and methyl naphthazarin cause vascular dysfunction by impairment of endothelium-derived nitric oxide and increased superoxide anion generation. *Toxicology in Vitro* (20):43-51. (本人為通訊作者)
 58. **Cheng YW**, Kang JJ, Shih YL, LO YL, Wang CF (2005) Cholesterol-3-beta, 5-alpha, 6-beta,-triol induced genotoxicity through reactive oxygen species formation. *Food and Chemical Toxicology* (43):617-622.
 59. Hu CM, **Cheng YW**, Cheng HW, Liao JW, Kang JJ (2005) Induction of Contracture and extracellular Ca²⁺ influx in Cardiac Muscle by Sanguinarine: A Study on Cardiotoxicity of Sanguinarine. *Journal of Biomedical Science* (12):399-407.
 60. Lee CC, **Cheng YW**, Kang JJ (2005) Motorcycle Exhaust Particles Induce IL-8 Production Through NF-kB Activation in human Airway Epithelial Cells. *J. Toxicol. Environ. Health* (68):1537-1555.
 61. Li CH, Tzeng SL, **Cheng YW**, Kang JJ (2005) Chloramphenicol-induced mitochondrial stress increases P21 expression and prevents cell apoptosis through a P21dependent pathway. *Journal of Biological Chemistry* 280 (28):26193-26199.
 62. **Cheng YW**, Lee WW, Li CH, Lee CC, Kang JJ* (2004) Genotoxicity of motorcycle exhaust particulate in vivo and in-vitro. *Toxicological Science* (81):103-111.
 63. Hu CM, **Cheng YW**, Cheng HW and Kang JJ (2004) Impairment of vascular function of rat aorta in an endothelium-dependent manner by Shikonin/alkaline and its derivatives from roots of *Macrosomia euchromatin*. *Planta Medica* (70):23-28.
 64. Lee CH, Lee CC, **Cheng YW**, Juang HA, Kang JJ (2004) Activation and up-regulation of nitric oxide synthase in human umbilical vein endothelial cells. *Toxicology Letters* (151):367-374.
 65. **Cheng YW**, Li CH, Lee CC and Kang JJ (2003) Alpha-Naphthoflavone Induced Vasorelaxation Through the Induction of Extracellular Calcium Influx and Nitric Oxide Formation in Endothelium. *Naunyn-Schmiedeberg's Archives of Pharmacology* (368):377-385.
 66. Hsiao G, Shen MY, Chang WC, **Cheng YW**, Pan SL, Kuo YH, Chen TF and Sheu JR (2003) A novel antioxidant, octyl caffeate, suppression of LPS/IFN-gamma-induced inducible nitric oxide synthase gene expression in rat aortic smooth muscle cells. *Biochem Pharmacol.* (65):1383-1392.

67. Hu CM, Kang JJ, Lee CC, Li CH and **Cheng YW*** (2003) Induction of vasorelaxation through activation of nitric oxide synthase in endothelial cells by brazilin. *European Journal of Pharmacology* (468):37-45. (本人為通訊作者)
68. Chen SS, Chang PC, **Cheng YW**, Tang FM and Lin YS (2002) Suppression of the STK15 oncogenic activity requires a transactivation-independent P53 function. *EMBO Journal* (21):4491-4499.
69. Hu CM, Cheng HW, **Cheng YW** and Kang JJ (2001) Mechanisms underlying the induction of vasorelaxation in rat thoracic aorta by sanguinarine. *Japanese Journal of Pharmacology*. 47-53.
70. Hsiao G, Teng CM, Sheu JR, **Cheng YW**, Lam KK, Lee YM, Wu TS. and Yen MH. (2001) Cinnamophilin as a novel antiperoxidative cytoprotectant and free radical scavenger. *Biochim. Biophys. Acta.*(1525):77-88.
71. Hu CM, Cheng HW, **Cheng YW** and Kang JJ. (2000) Induction of skeletal muscle contracture and calcium release from isolated sarcoplasmic reticulum vesicles by sanguinarine. *British Journal of Pharmacology*. 299-306.
72. Liao JW, Kang JJ, Liu SH, Jeng CR, **Cheng YW**, Hu CM, Tsai SF, Wang SC, Pang VF(2000) Effects of cartop on isolated mouse phrenic nerve-diaphragm and its related mechanism. *Toxicological Science* (55):453-459.
73. **Cheng YW** and Kang JJ (1999) Inhibition of Agonist-induced vasoconstriction and impairment of endothelium-dependent vasorelaxation by an extract of motorcycle exhaust particles in vitro. *Journal of Toxicology and Environmental Health, Part A* 101-113.
74. **Cheng YW** and Kang JJ (1998) Emodin-induced muscle contraction of mouse diaphragm and the involvement Ca^{2+} influx and Ca^{2+} release from sarcoplasmic reticulum. *British Journal of Pharmacology* 815-820.
75. Kang JJ, **Cheng YW** and Fu WM (1998) Studies on neuromuscular blockade by boldine in the mouse phrenic nerve-diaphragm. *Japanese Journal of Pharmacology*. 207-211.
76. Kang JJ, **Cheng YW** and Fu WM (1998) Effects of boldine on mouse diaphragm and sarcoplasmic reticulum vesicles isolated from skeletal muscle. *Planta Medica*. 18-21.
77. Kang JJ, Lin SH, Chen IL, **Cheng YW** and Lin-Shiau SY (1998) Comparative studies on the induction of muscle contracture in mouse diaphragm and Ca^{2+} release from sarcoplasmic reticulum vesicles by organotin compounds. *Pharmacology and Toxicology*. 23-27.
78. **Cheng YW** and Kang JJ (1997) Mechanism of vasorelaxation of thoracic aorta caused by xanthone, *European Journal of Pharmacology*. 23-28.
79. Kang JJ and **Cheng YW** (1997) Polycyclic aromatic hydrocarbons-induced vasorelaxation through induction of nitric oxide formation in the endothelium of rat aorta. *Toxicology Letters* 29-37.
80. Kang JJ, Chen IL and **Cheng YW** (1997) Induction of calcium release from isolated sarcoplasmic reticulum by triphenyltin. *Journal of Biochemistry (Tokyo)*. 173-177.
81. Ueng TH, Kang JJ, Wang HW, **Cheng YW** Chiang LY (1997) Suppression of microsomal cytochrome P450-dependent monooxygenases and mitochondrial oxidative phosphorylation by fullerene, a polyhydroxylated fullerene C60. *Toxicology Letters*. 29-37.

82. Kang JJ, **Cheng YW**, Ko FN, Kuo ML, Lin CN and Teng CM (1996) Induction of calcium release from sarcoplasmic reticulum of skeletal muscle by xanthone and norathyriol. Br. J. Pharmacol. 1736-1742.
83. Kang JJ, Chen YC, Kuo WC, Chen T, **Cheng YW**, Kuo ML and Ueng TH (1996) Modulation of microsomal cytochrome P450 by Scutellariae Radix and Gentianae Scabrae Radix in rat liver. American Journal Chinese Medicine.(XXIV):19-29.

Letter to the editor

1. Liao PL, Li CH, Chang CY, Liu SR, Lin CH, **Cheng YW** (2012) Anti-ageing effects of alpha-naphthoflavone on normal and UVB-irradiated human skin fibroblasts. Experimental Dermatology (21):546-548.

Invited Seminars and Lectures

2012/10/05	健康食品之安全評估研討會	oral	健康食品之安全評估與審查經驗分享, 臺灣製藥同業工會, 台北, 台灣.
2012/11/30	奈米食品管理教育訓練研討會	oral	奈米材料的安全性, 國立臺灣大學食品科技研究所. 台北, 台灣.
2012/06/19	兩岸非傳統食品原料管理研討會	oral	臺灣非傳統食品原料 管理架構與法規. 台北, 台灣.
2012/03/09	天然來源健康食品之開發與認證	oral	安全性評估的重要性, 工業技術研究院, 新竹,
2011/09/30	保健食品實務研討會	oral	保健食品藍海策略-從品質管理技術談起, 經濟部工業局, 中華穀物食品工業研究所, 台北, 台灣.
2011/09/28	加工改良傳統與非傳統食品原料安全性評估研討會	oral	加工改良傳統與非傳統食品原料安全性評估研討會, 食品藥物管理局. 台北, 台灣.
2010/3/08	工研院	oral	奈米藥品(含中藥)現階段之毒性資訊及風險評估
2010/10/01	藥品查驗中心	oral	Safety studies and related topic on food with nanoparticles. 2010 International Symposium of Regulatory Science on Food, Drugs and Medical Devices Containing Nanoscale Materials, Taipei, Taiwan.

National and International Meetings and Conferences

2022	The 36th Joint Annual Conference of biomedical Science (Taiwan)	Speaker	The role of aryl hydrocarbon receptor in ophthalmic diseases, from pharmacological and toxicological perspective
2022	The 36th Joint Annual Conference of biomedical Science (Taiwan)	Poster	Ida Fitriana [#] , Chia-Hua Wu [#] , Tai-Ju Hsu, George Hsiao, Tsung-Min Yang, Yen-Ju Chan, Jaw-Jou Kang [*] , and <u>Yu-Wen Cheng</u> [*] . The Mechanism and Potential Efficacy of Aryl Hydrocarbon Receptor Activator, Aza-PBHA in Diabetic Retinopathy (PH122)
2022	The 36th Joint Annual Conference of biomedical Science (Taiwan)	Poster	Tai-Ju Hsu [#] , Kunal Nepali [#] , Chi-Hao Tsai, Zuha Imtiyaz, Ida Fitriana, Ching-Hao Li, Jaw-Jou Kang, George Hsiao, Yi-Min Liou, Jing-Ping Liou [*] and <u>Yu-Wen Cheng</u> [*] HDAC/HSP90 inhibitor G570 attenuated neovascularization in mice by decreasing VEGF production(TX30)
2021	The 14th Meeting of the Asia Pacific Federation of Pharmacologists (APFP) Taipei, Taiwan.	Poster	Tsai CH, Fang TC, Liao PL, Chan YJ, <u>Cheng YW</u> , Li CH. The powdered root of Eurycoma longifolia Jack improves b-cell number and pancreatic islet performance through PDX1 induction and shows antihyperglycemic activity in db/db mice. (Poster-E24)
2021	The 14th Meeting of the Asia Pacific Federation of Pharmacologists (APFP) Taipei, Taiwan.	Poster	Lin FL, Chen LH, Ho JD, Wu LH, Kuo YH, <u>Cheng YW</u> , Hsiao G. Protective Effects and Mechanisms of Fungal Ingredient 3,4-Dihydroxybenzalacetone against Blue Light-Emitting Diode Light-induced Retinal Photoreceptor Cell Damage and Degeneration in Vivo. Taipei, Taiwan. (Poster-E049)
2021	The 14th Meeting of the Asia Pacific Federation of Pharmacologists (APFP) Taipei, Taiwan.		Tai-Ju Hsu [#] , Chia-Hua Wu [#] , Ida Fitriana, George Hsiao, Tsung-Min Yang, Yen-Ju Chan, Jaw-Jou Kang [*] , and <u>Yu-Wen Cheng</u> [*] The Mechanism and Potential Efficacy of Aryl Hydrocarbon Receptor Activator, Aza-PBHA in Diabetic Retinopathy. (Poster-I39)

2019	The Thirty Four-four Joint Annual Conference of biomedical Science (Taiwan)	Poster	Li, Ching-Hao Kang, Jaw-Jou Cheng, Yu-Wen Cheng* Safety Evaluation of Chinese Medicine products using Pb4O3, be called HuangDan(黃丹)
2019	The Thirty Four-four Joint Annual Conference of biomedical Science (Taiwan)	Poster	Chi-Hao Tsai, Che-Jui Liang, <u>Yu-Wen Cheng</u> , and Jaw-Jou Kang. Aryl Hydrocarbon Receptor Mediates Epigenetic Regulation during HDAC-Inhibitor Treatment in Lung Cancer Cell Lines
2019	The Thirty Four-four Joint Annual Conference of biomedical Science (Taiwan)	Poster	Yi-Shiou Wei, Chi-Hao Tsai, <u>Yu-Wen Cheng</u> , and Jaw-Jou Kang. Up regulation of Naphthalene-mediated NF-kB signaling is associated with CYP2F1 expression in retina pigment epithelium cell
2019	The Thirty Four-four Joint Annual Conference of biomedical Science (Taiwan)	Poster	Fan-Li Lin, George Hsiao, Jing-Lun Yen2, Yu-Cheng Kuo, <u>Yu-Wen Cheng</u> , Wei-Jan Huan, Jaw-Jou Kang* Novel HADC8 Inhibitor WK2-16 Therapeutically Targets Lipopolysaccharide-induced Mouse Model of Neuroinflammation and Microglial Activation through Downregulation of STAT Signaling
2019	The Thirty Four-four Joint Annual Conference of biomedical Science (Taiwan)	Poster	Fan-Li Lin, Jaw-Jou Kang, Jing-Lun Yen, Jau-Der Ho, Chung-Yang Huang, Yu-Wen Cheng5* Selective Blockade of HDAC8 by BMX Attenuates Laser-Induced Choroidal Neovascularization Model in Mice
2019	TTQAS 2019 年創新食品(保健食品)的開發及衛生安全檢驗論壇	Poster	Tai-Ying Chen, Ling-Shan Tse, Chi-Hao Tsai, Ching-Chiung Wang, <u>Yu-Wen Cheng</u> , Po-Lin Liao, and Jaw-Jou Kang* Toxicity Evaluation of Deer Velvet Antler Extract
2019	15th International Congress of Toxicology	Poster	Chi-Hao Tsai, Yi Lee, <u>Yu-Wen Cheng</u> , and Jaw-Jou Kang* AhR-mediated regulation of SOCS3-STAT3 axis is involved in downregulation of B[a]P-induced retinal lesion.
2018	18th World Congress of Basic and Clinical Pharmacology	Poster	Chi-Hao Tsai, Che-Jui Liang, Po-Lin Liao, <u>Yu-Wen Cheng</u> and Jaw-Jou Kang* AhR plays a key role on epigenetic regulation within HDAC inhibitor treatment

2018	The Thirty Three-four Joint Annual Conference of biomedical Science (Taiwan)	Poster	Huang Shih-Hsuan, Li Ching-Hao, Kang Jaw-Jou, <u>Cheng Yu-Wen</u> Comparison of the Solubility and Pharmacokinetics of Arsenic from Realgars(雄黃) in Mice
2018	The Thirty Three-four Joint Annual Conference of biomedical Science (Taiwan)	Poster	Chi-Hao Tsai, Ching-Hao Li, Chen-Chen Lee, Yu-Wen Cheng, Jaw-Jou Kang* Benzo[a]pyrene- induced cell migration associated with AhR expression level in lung cancer cell. Poster presentation
2018	The 8th International Congress of Asian Society of Toxicology (ASIATOX-VIII) Tailand	Poster	Po-Lin Liao, Chi-Hao Tsai, Ling-Shan Tse, Shih-Hsuan Huang, Ching-Hao Li, Jaw-Jou Kang*, and <u>Yu-Wen Cheng*</u> Therapeutic potential of a novel azatyrosine analogue on early-stage diabetic retinopathy
2016/07/16	International Conference on Engineering and Natural Science. Conference. (2016), KYOTO	Poster	Liao PL, Li CH, Yang CH, Kang JJ, <u>Cheng YW</u> (2016). Therapeutic potential of shikonin in early-stage retinopathy. International Conference on Engineering and Natural Science– Summer Session.
2016/07/16	International Conference on Engineering and Natural Science. Conference. (2016), KYOTO	Poster	Li CH, Liu CW, Tsai CH, Liao PL, <u>Cheng YW</u> (2016). Aryl hydrocarbon receptor overexpression activates glycogen synthase kinase 3 beta, reduces vimentin level, and suppress epithelial-mesenchymal transition in non-small cell lung cancer cells. International Conference on Engineering and Natural Science– Summer Session.
2016/07/16	International Conference on Engineering and Natural Science. Conference. (2016), KYOTO	Poster	Tsai CH, Li CH, Liao PL, <u>Cheng YW,</u> Kang JJ (2016). Studies of the autophagy-affected EMT by AhR regulation in lung cancer cell. International Conference on Engineering and Natural Science– Summer Session.
2016/07/16	International Conference on Engineering and Natural Science. Conference. (2016), KYOTO	Poster	Huang SH, Li CH, Kang JJ, <u>Cheng YW</u> (2016). Assessment of the solubility and bioavailability of arsenic in retail realgar (As ₄ S ₄). International Conference on Engineering and Natural Science– Summer Session.

2016/07/16	International Conference on Engineering and Natural Science. Conference. (2016), KYOTO	Poster	Lin FL, Yen JL, Lin CH, Ho JD, Cheng YW , Hsiao George ¹ * (2016). A natural retinoprotectant, Crysophanol, attenuated N-methyl-N-nitrosourea-induced photoreceptor cell apoptosis and retinopathies. International Conference on Engineering and Natural Science.
2016/07/16	International Conference on Engineering and Natural Science. Conference. (2016)	Poster	Jan JS, Chou YC, Cheng YW , Huang WJ, Hsiao George*(2016). A novel HDAC-8 inhibitor, WK2-16, attenuates lipopolysaccharide-activated matrix metalloproteinase 9 expression in human monocytic cell and improves septic injuries in vivo. International Conference on Engineering and Natural Science.
2015/07/21	International Biotechnology, Chemical Engineering, and Life Science Conference. (2015) Hokkaido, Japan.	Poster	Liao PL, Lin CH, Li CH, Hsiao George, Ho JD, Tsai CH, Cheng YW and Kang JJ. Shikonin exert therapeutic potential in early-staged diabetic retinopathy. International Biotechnology, Chemical Engineering, and Life Science Conference. (2015) Hokkaido, Japan (IBCELC-976).
2015/07/21	International Biotechnology, Chemical Engineering, and Life Science Conference. (2015) Hokkaido, Japan.	Poster	Lin CH, Liao PL, Cheng HW, Li CH, Hsiao George and Cheng YW . Long-Term Fluorometholone Topical Use Induces Ganglion Cell Damage in Rats Analyzed with Optical Coherence Tomography. International Biotechnology, Chemical Engineering, and Life Science Conference. (2015) Hokkaido, Japan (IBCELC-979).
2015/07/21	International Biotechnology, Chemical Engineering, and Life Science Conference. (2015) Hokkaido, Japan.	Poster	Lin FL, Ho JD, Lin CH, Liao PL, Yen JL, Cheng YW and Hsiao George. Chrysophanol Blocked N-Methyl-N-Nitrosourea-Induced Photoreceptor Cell Apoptosis and Attenuated Neuroinflammatory Responses via Microglial Inhibition. International Biotechnology, Chemical Engineering, and Life Science Conference. (2015) Hokkaido, Japan (ICEAS-3625).
2015/07/21	International Biotechnology, Chemical Engineering, and Life Science Conference.	Poster	Li CH, Jhan C, Tsai CH, Cheng YW and Kang JJ. Study on the Mechanism of Cross-Talk between AhR and Autophagy on Cell Motility. International Biotechnology, Chemical Engineering, and Life Science

	(2015) Hokkaido, Japan.		Conference. (2015) Hokkaido, Japan (IBCELC-997).
2015/07/21	International Biotechnology, Chemical Engineering, and Life Science Conference. (2015) Hokkaido, Japan.	Poster	Tsai CH, Li CH, Liao PL, Lin CH, Yang WH, Cheng YW and Kang JJ. Study on the Mechanism of Cross-Talk between AhR and Autophagy on Cell Motility. International Biotechnology, Chemical Engineering, and Life Science Conference. (2015) Hokkaido, Japan (IBCELC-1019).
2014/07/18	Glia in Health & Disease meeting (2014) Cold Spring Harbor, NY, USA.	Poster	Hsiao G, Chou YC, Wu JW, Lin FL, Cheng YW , Kuo YH(2014). The protective mechanisms of ergostatrien-3b-ol on intracerebral hemorrhage-induced brain injury and microglia activation. Glia in Health & Disease meeting (2014) Cold Spring Harbor, NY, USA. (P64).
2014/07/18	Glia in Health & Disease meeting (2014) Cold Spring Harbor, NY, USA.	Poster	Cheng YW , Lin FL, Wu JW, Yen CL, Chiang HT, Hsiao George(2014). The inhibitory effects of caffeic acid phenyl ester on microglial activation and its protective actions on neuroinflammation in vivo. Glia in Health & Disease meeting (2014) Cold Spring Harbor, NY, USA. (P23).
2013/05/05	IMMUNOLOGY 2013	Poster	George H, Lee TH, Jan JS, Hsiao CJ, Cheng YW (2013). Heat shock protein 90 inhibitor radicicol attenuates matrix metalloproteinase expression in human monocytic cells. IMMUNOLOGY 2013; Honolulu, Hawaii, USA. P 4153.(P4153)
2013/08/28	Mechanism of Eukaryotic Transcription meeting (2013) Cold Spring Harbor, NY, USA.	Poster	George H, Chang WR, Hsiao CJ, Wang HP, Cheng YW (2013). Phenylbutyrylhydrocamic acid attenuates matrix metalloproteinase-9 expression in human monocytic THP-1 cells via inhibition of ERK MAPK activation. Mechanism of Eukaryotic Transcription meeting (2013) Cold Spring Harbor, NY, USA. (Abstract).
2009/10/29	The 9th World Congress on Inflammation	Poster	Cheng YW , Chou YC, Lin FL, Kuo YH, Hsiao G (2009) Nuclear Targeted Inhibition of NF-kappaB on MMP-9 production by EK5 in Human Monocyte. 2009, Tokyo, Japan. (Abstract).(P267)
2009/03/29	The Twenty-four	Poster	Liao PL, Cheng YW , Kang JJ (2009)

	Joint Annual Conference of biomedical Science		Effect of oxysterols on atherosclerosis. The Twenty-four Joint Annual Conference of biomedical Science (Abstract).
2008/03/29	The Twenty-three Joint Annual Conference of biomedical Science	Poster	Liao PL, Cheng YW , Kang JJ (2008) Effect of oxysterol on atherosclerosis. The Twenty-three Joint Annual Conference of biomedical Science (Abstract). (P407)
2008/03/29	The Twenty-three Joint Annual Conference of biomedical Science	Poster	Chou YC, Yen YH, Sheu JR, Cheng YW , Kou YH, Hsiao G(2008).A phenylethylamine compound EK5 abrogates matrix metalloproteinase-9 expression by inhibition of NF-kB activation in human monocytic THP-cells. The Twenty-three Joint Annual Conference of biomedical Science (abstract). (P29).
2007/03/25	The Twenty-two Joint Annual Conference of biomedical Science	Poster	Tzeng SL, Cheng YW , Li CH, Lin YS, Hsu HC, Kang JJ (2007) Physiological and functional interactions between TCF4 and DAXX in colon cancer cells. The Twenty-two Joint Annual Conference of biomedical Science (Abstract).(P531)
2007/03/25	The Twenty-two Joint Annual Conference of biomedical Science	Oral	Tzeng SL, Wang CW, ChengYW , Kang JJ (2007) The role of DAXX in colon tumorigenesis. The Twenty-two Joint Annual Conference of biomedical Science (Abstract).(O066)
2007/3/25	The Twenty-two Joint Annual Conference of biomedical Science	Poster	Lin MC, Cheng HW, Lin JH, Chen SK, Tsai YC, Liao PL, Cheng YW (2007) Podophyllin, but not the constitute of quercetin and kaempferol, induced genotoxicity in vitro and in vivo through ROS production. The Twenty-two Joint Annual Conference of biomedical Science (Abstract).(P707).
2005/03/29	The Twenty Joint Annual Conference of biomedical Science	Poster	Huang LC, Chou YC, Cheng YW , Lin YS, Sheu JR, Hsiao G (2005).Effect of benzydamine on monocytic matrix metalloproteinase-9 activation and vasorelaxation. The Twenty Joint Annual Conference of biomedical Science (Abstract).(P47)
2005/03/29	The Twenty Joint Annual Conference of	Poster	Lin YY, Lin YS, Liu HE, Cheng YW , Sheu JR, G Hsiao(2005) Investigation of the inhibitory mechanisms of

	biomedical Science		haloperidol on matrix. The Twenty Joint Annual Conference of biomedical Science (Abstract).(P47)
2004/03/28	The Nineteenth Joint Annual Conference of biomedical Science	Poster	<u>Cheng YW</u> , Wang CC, Li CH, Lin HY, Lee CC, Kang JJ(2004).The role of MAPK kinase in oxysterols induced cytotoxicity in human umbilical vein endothelial cells. The Nineteenth Joint Annual Conference of biomedical Science (Abstract).(P554)
2004/03/28	The Nineteenth Joint Annual Conference of biomedical Science	Poster	Chu CL, Lin YH, Shih YL, <u>Cheng YW</u> , G Hsiao(2004).Investigation of the different effects of ammonium pyrrolidinedithiocarbamate and probucol on matrix metalloproteinase activation between primary and cell line-human endothelial cells. The Nineteenth Joint Annual Conference of biomedical Science (Abstract).(P69)