

NHRI Publication _ Jul 2019

Institute of Biomedical Engineering and Nanomedicine

1. Liu, CH; Chiu, HC; Sung, HL; Yeh, JY; Wu, KC; Liu, SH. [Acute oral toxicity and repeated dose 28-day oral toxicity studies of MIL-101 nanoparticles](#). *Regulatory Toxicology and Pharmacology*. 2019 Oct; 107: Article number 104426.
2. Liao, YT; Liu, CH; Chin, Y; Chen, SY; Liu, SH; Hsu, YC; Wu, KCW. [Biocompatible and multifunctional gold nanorods for effective photothermal therapy of oral squamous cell carcinoma](#). *Journal of Materials Chemistry B*. 2019 Jul; 7(28): 4451-4460.
3. Leoni, L; Tsai, HM; Zhang, H; Lin, LJ; Chen, NT; Cheng, SH; Souris, J; Quigley, B; Bhuiyan, M; Freifelder, R; Kao, CM; Chen, CT. [Assessment of photodynamic therapy \(PDT\) efficacy of X-ray activated nanoscintillators using F-18-HT in PET](#). *Journal of Nuclear Medicine*. 2019 May; 60(Suppl. 1): Meeting Abstract 665.
4. Huang, JY; Chen, MH; Lin, FH. [The synthesis and characterization of PEG-SH-Modified gold nanoparticle in one-pot synthesis by *Stenotrophomonas maltophilia*](#). *Journal of Nanoscience and Nanotechnology*. 2019 Nov; 19(11): 7278-7284.
5. Hsiao, MY; Lin, PC; Liao, WH; Chen, WS; Hsu, CH; He, CK; Wu, YW; Gefen, A; Iafisco, M; Liu, L; Lin, FH. [The effect of the repression of oxidative stress on tenocyte differentiation: A preliminary study of a rat cell model using a novel differential tensile strain bioreactor](#). *International Journal of Molecular Sciences*. 2019 Jul 12; 20(14): Article number 3437.
6. Kuan, CY; Lin, YY; Chen, CY; Yang, CC; Chi, CY; Li, CH; Dong, GC; Lin, FH. [The preparation of oxidized methylcellulose crosslinked by adipic acid dihydrazide loaded with vitamin C for traumatic brain injury](#). *Journal of Materials Chemistry B*. 2019 Jul; 7(29): 4499-4508.
7. Ivančić, F; Sheu, TWH; Solovchuk, M [The free surface effect on a chemotaxis-diffusion-convection coupling system](#). *Computer Methods in Applied Mechanics and Engineering*. 2019 Nov 1; 356: 387-406.
8. Ivancic, F; Sheu, TWH; Solovchuk, M. [Arbitrary lagrangian eulerian-type finite element](#)

- [methods formulation for pdes on time-dependent domains with vanishing discrete space conservation law](#). *Siam Journal on Scientific Computing*. 2019 Jun; 41(3): A1548-A1573.
9. Ma, SY; Chiang, YC; Hsu, CH; Chen, JJ; Hsu, CC; Chao, AC; Lin, YS. [Peanut detection using droplet microfluidic polymerase chain reaction device](#). *Journal of Sensors*. 2019 May 2; 2019: Article number 4712084.
 10. Huang, HT; Tsai, SF; Wu, HT; Huang, HY; Hsieh, HH; Kuo, YM; Chen, PS; Yang, CS; Tzeng, SF. [Chronic exposure to high fat diet triggers myelin disruption and interleukin-33 upregulation in hypothalamus](#). *BMC Neuroscience*. 2019 Jul; 20: Article number 33.
 11. Liao, LD. [Real-time ultrasound/photoacoustic imaging system and its in vitro/in vivo applications](#). *Journal of Cerebral Blood Flow and Metabolism*. 2019 Jul; 39: 623-623.
 12. Lin, CT; King, JT; Chuang, CH; Ding, W; Chuang, WY; Liao, LD; Wang, YK. [Exploring the brain responses to driving fatigue through simultaneous EEG and fNIRS measurements](#). *International Journal of Neural Systems*. 2019 Jun 4; Article in Press.
 13. Sivasubramanian, M; Chuang, YC; Chen, NT; Lo, LW. [Seeing better and going deeper in cancer nanotheranostics](#). *International Journal of Molecular Sciences*. 2019 Jul 16; 20(14): Article number 3490.
 14. Liu, SW; Hsu, CH; Chen, MR; Chiu, IM; Lin, KM. [A Tri-fusion reporter mouse reveals tissue-specific FGF1B promoter activity in vivo](#). *Scientific Reports*. 2019 Jul 31; 9: Article number 11143.

Institute of Biotechnology and Pharmaceutical Research

1. Lee, JY; Lin, SY; Lin, CY; Chuang, YH; Huang, SH; Tseng, YY; Wang, HJ; Yang, JM. [Identification of the PCA29 gene signature as a predictor in prostate cancer](#). *Journal of Bioinformatics and Computational Biology*. 2019 Jun; 17(3, SI): Article number 1940006.
2. Yu, WN; Lai, YJ; Ma, JW; Ho, CT; Hung, SW; Chen, YH; Chen, CT; Kao, JY; Way, TD. [Citronellol induces necroptosis of human lung cancer cells via TNF-alpha pathway and reactive oxygen species accumulation](#). *In Vivo*. 2019 Jul-Aug; 33(4): 1193-1201.
3. Chao, PK; Chang, HF; Chang, WT; Yeh, TK; Ou, LC; Chuang, JY; Tsu-An Hsu, J; Tao, PL; Loh, HH; Shih, C; Ueng, SH; Yeh, SH. [BPR1M97, a dual mu opioid](#)

- [receptor/nociceptin-orphanin FQ peptide receptor agonist, produces potent antinociceptive effects with safer properties than morphine.](#) *Neuropharmacology*. 2019 Jul 3; Article in Press.
4. Liu, YW; Chen, YY; Hsu, CY; Chiu, TY; Liu, KL; Lo, CF; Fang, MY; Huang, YC; Yeh, TK; Pak, KY; Gray, BD; Hsu, TA; Huang, KH; Shih, C; Shia, KS; Chen, CT; Tsou, LK. [Linker optimization and therapeutic evaluation of phosphatidylserine-targeting zinc dipicolylamine-based drug conjugates.](#) *Journal of Medicinal Chemistry*. 2019 Jul 11; 62(13): 6047-6062.
 5. Quattrini, L; Coviello, V; Sartini, S; Di Desidero, T; Orlandi, P; Ke, YY; Liu, KL; Hsieh, HP; Bocci, G; La Motta, C. [Dual Kit/Aur inhibitors as chemosensitizing agents for the treatment of melanoma: Design, synthesis, docking studies and functional investigation.](#) *Scientific Reports*. 2019 Jul; 9: Article number 9943.
 6. Lee, WJ; Chen, LC; Lin, JH; Cheng, TC; Kuo, CC; Wu, CH; Chang, HW; Tu, SH; Ho, YS. [Melatonin promotes neuroblastoma cell differentiation by activating hyaluronan synthase 3-induced mitophagy.](#) *Cancer Medicine*. 2019 Jul; Article in Press.
 7. Lin, HH; Chen, SJ; Shen, MR; Huang, YT; Hsieh, HP; Lin, SY; Lin, CC; Chang, WW; Chang, JY. [Lysosomal cysteine protease cathepsin S is involved in cancer cell motility by regulating store-operated Ca\(2+\) entry.](#) *Biochimica Et Biophysica Acta. Molecular Cell Research*. 2019 Jul 21; Article in Press.

Institute of Cellular and Systems Medicine

1. Ho, YJ; Lu, JW; Ho, LJ; Lai, JH; Huang, HS; Lee, CC; Lin, TY; Lien, SB; Lin, LC; Chen, LW; Gong, Z; Shen, MC; Liu, FC. [Anti-inflammatory and anti-osteoarthritis effects of Cm-02 and Ck-02.](#) *Biochemical and Biophysical Research Communications*. 2019 Sep; 517(1): 155-163.
2. Chen, LW; Lin, CS; Tsai, MC; Shih, SF; Lim, ZW; Chen, SJ; Tsui, PF; Ho, LJ; Lai, JH; Liou, JT. [Pitavastatin exerts potent anti-inflammatory and immunomodulatory effects via the suppression of AP-1 signal transduction in human T cells.](#) *International Journal of Molecular Sciences*. 2019 Jul 19; 20(14): Article number 3534.

3. Wong, CW; Zhilenkov, AV; Kraevaya, OA; Mischenko, DV; Troshin, PA; Hsu, SH. [Toward understanding the antitumor effects of water-soluble fullerene derivatives on lung cancer cells: Apoptosis or autophagy pathways?](#) *Journal of Medicinal Chemistry*. 2019 Jul 30; 62(15): 7111-7125.
4. Yeh, CF; Chuang, TY; Hung, YW; Lan, MY; Tsai, CH; Huang, HX; Lin, YY. [Development of a modified surgical technique for simulating ischemic cerebral cortex injury in rats.](#) *In Vivo*. 2019 Jul-Aug; 33(4): 1175-1181.
5. Summerhill, VI; Grechko, AV; Yet, SF; Sobenin, IA; Orekhov, AN. [The atherogenic role of circulating modified lipids in atherosclerosis.](#) *International Journal of Molecular Sciences*. 2019 Jul 20; 20(14): Article number 3561.
6. Lee, DY; Chiu, JJ. Atherosclerosis and flow: [Roles of epigenetic modulation in vascular endothelium.](#) *Journal of Biomedical Science*. 2019 Aug 7; 26: Article number 56.
7. Lee, DY; Chiu, JJ. [Hemodynamics-based strategy of using retinoic acid receptor and retinoid X receptor agonists to induce microRNA-10a and inhibit atherosclerotic lesion.](#) *Methods in Molecular Biology*. 2019 Jul 30; 2019: 143-169.
8. Hsiao, PJ; Kuo, CC; Kuo, TY; Kao, YH; Chan, JS; Lin, YY; Chen, MH; Chen, JS; Chuu, CP. [Investigation of the relationship between non-ketotic hyperglycemia and hemichorea-hemiballism: A case report.](#) *Medicine*. 2019 Jul; 98(28): Article number e16255.
9. Yang, CW; Wu, CC; Luo, CM; Chuang, SY; Chen, CH; Shen, YF; Tarng, DC. [A randomized feasibility study of the effect of ascorbic acid on post-angioplasty restenosis of hemodialysis vascular access \(NCT03524846\).](#) *Scientific Reports*. 2019 Jul 31; 9: Article number 11095.
10. Liu, SW; Hsu, CH; Chen, MR; Chiu, IM; Lin, KM. [A Tri-fusion reporter mouse reveals tissue-specific FGF1B promoter activity in vivo.](#) *Scientific Reports*. 2019 Jul 31; 9: Article number 11143.

Institute of Molecular and Genomic Medicine

1. Wang, YT; Chien, YC; Hsiao, WY; Wang, CC; Wang, SW. [Fission yeast Asc1 stabilizes the interaction between eIF3a and Rps0A/uS2 for protein synthesis.](#) *Molecular and*

- Cellular Biology*. 2019 Jul 8; Article in Press.
2. Chen, MH; Chang, SC; Lin, PC; Yang, SH; Lin, CC; Lan, YT; Lin, HH; Lin, CH; Lai, JI; Liang, WY; Lu, ML; Yang, MH; Chao, Y. [Combined microsatellite instability and elevated microsatellite alterations at selected tetranucleotide repeats \(EMAST\) might be a more promising immune biomarker in colorectal cancer](#). *The Oncologist*. 2019 Jul 10; Article in Press.
 3. Wu, SH; Hsu, JS; Chen, HL; Chien, MM; Wu, JF; Ni, YH; Liou, BY; Ho, MC; Jeng, YM; Chang, MH; Chen, PL; Chen, HL. [Plectin mutations in progressive familial intrahepatic cholestasis](#). *Hepatology*. 2019 Jul 3; Article in Press.
 4. Wang, SH; Lee, SP; Tung, SY; Tsai, SP; Tsai, HC; Shen, HH; Hong, JY; Su, KC; Chen, FJ; Liu, BH; Wu, YY; Hsiao, SP; Tsai, MS; Liou, GG. [Stabilization of Sir3 interactions by an epigenetic metabolic small molecule, O-acetyl-ADP-ribose, on yeast SIR-nucleosome silent heterochromatin](#). *Archives of Biochemistry and Biophysics*. 2019 Aug; 671: 167-174.
 5. Tung, SY; Wang, SH; Lee, SP; Tsai, SP; Su, KC; Shen, HH; Hong, JY; Tsai, MS; Liou, GG. [The capability of O-Acetyl-ADP-Ribose, an epigenetic metabolic small molecule, on promoting the further spreading of Sir3 along the telomeric chromatin](#). *Genes*. 2019 Jul 30; 10(8): Article number 577.
 6. Su, ZL; Su, CW; Huang, YL; Yang, WY; Sampurna, BP; Ouchi, T; Lee, KL; Wu, CS; Wang, HD; Yuh, CH. [A novel AURKA mutant-induced early-onset severe hepatocarcinogenesis greater than wild-type via activating different pathways in zebrafish](#). *Cancers*. 2019 Jul 2; 11(7): Article number 927.

Institute of Population Health Sciences

1. Chien, YS; Luo, ST; Tsao, KC; Huang, YC; Chung, WY; Liao, YC; Tan, Y; Das, SR; Lee, MS. [Genomic analysis of serologically untypable human enteroviruses in Taiwan](#). *Journal of Biomedical Science*. 2019 Jul; 26: Article number 49.
2. Ho, HE; Yeh, CJ; Chu, WM; Lee, MC. [Midlife body mass index trajectory and risk of frailty 8 years later in Taiwan](#). *Journal of Nutrition, Health and Aging*. 2019 Jul; Article in Press.

3. Li, HY; Wu, YL; Tu, ST; Hwu, CM; Liu, JS; Chuang, LM. [Trends of mortality in diabetic patients in Taiwan: A nationwide survey in 2005-2014](#). *Journal of the Formosan Medical Association = Taiwan yi zhi*. 2019 Jul 24; Article in Press.
4. Wang, JS; Wu, YL; Shin, SJ; Tien, KJ; Chin, MC; Hwu, CM. [Hospitalization in patients with type 2 diabetes mellitus in Taiwan: A nationwide population-based observational study](#). *Journal of the Formosan Medical Association = Taiwan yi zhi*. 2019 Jul 9; Article in Press.
5. Liao, HW; Saver, J; Yeh, HC; Chen, CS; Wu, YL; Lee, M; Ovbiagele, B. [Low fasting glucose and future risks of major adverse outcomes in people without baseline diabetes or cardiovascular disease: A systematic review and meta-analysis](#). *BMJ Open*. 2019 Jul 1; 9(7): Article number e026010.
6. Hsieh, MY; Lee, CK; Lo, CM; Chen, CH; Chuang, SY; Wu, CC. [Temporal distribution and biological determinants of thrombotic events after interventions for dialysis vascular access](#). *Scientific Reports*. 2019 Jul 24; 9: Article number 10720.
7. Hsu, CC; Tu, ST; Sheu, WH. [2019 diabetes atlas: Achievements and challenges in diabetes care in Taiwan](#). *Journal of the Formosan Medical Association = Taiwan yi zhi*. 2019 Aug 3; Article in Press.
8. Sheen, YJ; Hsu, CC; Jiang, YD; Huang, CN; Liu, JS; Sheu, WH. [Trends in prevalence and incidence of diabetes mellitus from 2005 to 2014 in Taiwan](#). *Journal of the Formosan Medical Association = Taiwan yi zhi*. 2019 Jul 9; Article in Press.
9. Chu, CH; Hsu, CC; Lin, SY; Chuang, LM; Liu, JS; Tu, ST. [Trends in antidiabetic medical treatment from 2005 to 2014 in Taiwan](#). *Journal of the Formosan Medical Association = Taiwan yi zhi*. 2019 Jun 25; Article in Press.
10. Yang, CW; Wu, CC; Luo, CM; Chuang, SY; Chen, CH; Shen, YF; Tarng, DC. [A randomized feasibility study of the effect of ascorbic acid on post-angioplasty restenosis of hemodialysis vascular access \(NCT03524846\)](#). *Scientific Reports*. 2019 Jul 31; 9: Article number 11095.
11. Wong, JYY; Zhang, H; Hsiung, CA; Shiraishi, K; Yu, K; Matsuo, K; Wong, MP; Hong, YC; Wang, J;...; Burdett, L; Yeager, M; Hutchinson, A; Berndt, SI; Wu, W, .; et al.

[Tuberculosis infection and lung adenocarcinoma: Mendelian randomization and pathway analysis of genome-wide association study data from never-smoking Asian women.](#) *Genomics*. 2019 Jul 12; Article in Press.

12. Lin, CL; Lee, TSH; Hsu, CC; Chen, CY; Chao, E; Shih, SF; Hu, HY. [Factors associated with post-partum smoking relapse in Taiwan: A trial of Smoker's helpline.](#) *Taiwanese Journal of Obstetrics and Gynecology*. 2019 Jul; Article in Press.

National Institute of Cancer Research

1. Chen, CE; Chiang, NJ; Perng, CK; Ma, H; Lin, CH. [Review of preclinical and clinical studies of using cell-based therapy for secondary lymphedema.](#) *Journal of Surgical Oncology*. 2019 Aug 5; Article in Press.
2. Chou, ST; Peng, HY; Mo, KC; Hsu, YM; Wu, GH; Hsiao, JR; Lin, SF; Wang, HD; Shiah, SG. [MicroRNA-486-3p functions as a tumor suppressor in oral cancer by targeting DDR1.](#) *Journal of Experimental and Clinical Cancer Research*. 2019 Jun; 38: Article number 281.
3. Hsueh, YS; Chang, HH; Shan, YS; Sun, HS; Fletcher, JA; Li, CF; Chen, LT. [Nuclear KIT induces a NFKBIB-RELA-KIT autoregulatory loop in imatinib-resistant gastrointestinal stromal tumors.](#) *Oncogene*. 2019 Jul 30; Article in Press.
4. Chen, LT; Macarulla, T; Blanc, JF; Mirakhur, B; Jong, FA; Belanger, B; Bekaii-Saab, T; Siveke, JT. [Nomogram for predicting survival in patients treated with liposomal irinotecan plus fluorouracil and leucovorin in metastatic pancreatic cancer.](#) *Cancers*. 2019 Jul 28; 11(8): Article number 1068.
5. Yen, CC; Chen, LT; Li, CF; Chen, SC; Chua, WY; Lin, YC; Yen, CH; Chen, YC; Yang, MH; Chao, Y; Fletcher, JA. [Identification of phenothiazine as an ETV1targeting agent in gastrointestinal stromal tumors using the Connectivity Map.](#) *International Journal of Oncology*. 2019 Jun 21; 55(2): 536-546.
6. Chen, SH; Tsai, HL; Jiang, JK; Sung, YC; Huang, CW; Yeh, YM; Chen, LT; Wang, JY. [Emergence of RAS mutations in patients with metastatic colorectal cancer receiving cetuximab-based treatment: A study protocol.](#) *BMC Cancer*. 2019 Jun; 19: Article number 640.

7. Chang, JS; Kuo, SH; Chu, PY; Shan, YS; Tsai, CR; Tsai, HJ; Chen, LT. [The epidemiology of gastric cancers in the era of Helicobacter pylori eradication: A nation-wide cancer registry-based study in Taiwan](#). *Cancer Epidemiology, Biomarkers and Prevention*. 2019 Jul 26; Article in Press.
8. Chiu, CC; Lin, WL; Shi, HY; Huang, CC; Chen, JJ; Su, SB; Lai, CC; Chao, CM; Tsao, CJ; Chen, SH; Wang, JJ. [Comparison of oncologic outcomes in laparoscopic versus open surgery for non-metastatic colorectal cancer: Personal experience in a single institution](#). *Journal of Clinical Medicine*. 2019 Jun; 8(6): Article number 875.
9. Tien, CP; Chen, CH; Lin, WY; Liu, CS; Liu, KJ; Hsiao, M; Chang, YC; Hung, SC. [Ambient particulate matter attenuates Sirtuin1 and augments SREBP1-PIR axis to induce human pulmonary fibroblast inflammation: Molecular mechanism of microenvironment associated with COPD](#). *Aging*. 2019 Jul 12; 11(13): 4654-4671.
10. hChan, TS; Shaked, Y; Tsai, KK. [Targeting the interplay between cancer fibroblasts, mesenchymal stem cells, and cancer stem cells in desmoplastic cancers](#). *Frontiers in Oncology*. 2019 Jul; 9: Article number 688.
11. Lin, HH; Chen, SJ; Shen, MR; Huang, YT; Hsieh, HP; Lin, SY; Lin, CC; Chang, WW; Chang, JY. [Lysosomal cysteine protease cathepsin S is involved in cancer cell motility by regulating store-operated Ca\(2+\) entry](#). *Biochimica Et Biophysica Acta. Molecular Cell Research*. 2019 Jul 21; Article in Press.
12. Hsu, MC; Tsai, YL; Lin, CH; Pan, MR; Shan, YS; Cheng, TY; Cheng, SHC; Chen, LT; Hung, WC. [Protein arginine methyltransferase 3-induced metabolic reprogramming is a vulnerable target of pancreatic cancer](#). *Journal of Hematology and Oncology*. 2019 Jul; 12: Article number 79.
13. Wong, JYY; Zhang, H; Hsiung, CA; Shiraiishi, K; Yu, K; Matsuo, K; Wong, MP; Hong, YC; Wang, J;...; Burdett, L; Yeager, M; Hutchinson, A; Berndt, SI; Wu, W, .; et al. [Tuberculosis infection and lung adenocarcinoma: Mendelian randomization and pathway analysis of genome-wide association study data from never-smoking Asian women](#). *Genomics*. 2019 Jul 12; Article in Press.

National Institute of Environmental Health Sciences

1. Hsieh, CY; Wang, SL; Fadrowski, JJ; Navas-Acien, A; Kuo, CC. [Urinary concentration correction methods for arsenic, cadmium, and mercury: A systematic review of practice-based evidence](#). *Current Environmental Health Reports*. 2019 Aug 1; Article in Press.
2. Tseng, CH. [Metformin reduces risk of varicose veins in type 2 diabetes patients](#). *Diabetes/Metabolism Research and Reviews*. 2019 Jul 19; Article in Press.
3. Yang, CY; Huang, YT; Chiu, HF. [Does ambient ozone air pollution trigger suicide attempts? A case cross-over analysis in Taipei](#). *Journal of Toxicology and Environmental Health-Part A-Current Issues*. 2019 Jul; 82(10): 638-644.
4. Tsang, CH. [Human insulin therapy is associated with an increased risk of lung cancer: A population-based retrospective cohort study](#). *Frontiers in Endocrinology*. 2019 Jul; 10: Article number 443.
5. Chen, CH; Huang, LY; Lee, KY; Wu, CD; Chiang, HC; Chen, BY; Chin, WS; Pan, SC; Guo, YL. [Effects of PM2.5 on skeletal muscle mass and body fat mass of the elderly in Taipei, Taiwan](#). *Scientific Reports*. 2019 Aug 1; 9: Article number 11176.
6. Wu, WT; Wang, CC; Liou, SH. [Effects of nanoparticles exposure and PON1 genotype on heart rate variability](#). *Environmental Research*. 2019 Sep; 176: Article number 108377.
7. Chung, CJ; Lee, HL; Chang, CH; Chang, H; Liu, CS; Jung, WT; Liu, HJ; Liou, SH; Chung, MC; Hsueh, YM. [Measurement of urinary arsenic profiles and DNA hypomethylation in a case-control study of urothelial carcinoma](#). *Archives of Toxicology*. 2019 Jul 30; Article in Press.
8. Wang, CW; Chuang, HY; Liao, KW; Yu, ML; Dai, CY; Chang, WT; Tsai, CH; Chiang, HC; Huang, PC. [Urinary thiodiglycolic acid is associated with increased risk of non-alcoholic fatty liver disease in children living near a petrochemical complex](#). *Environment International*. 2019 Oct; 131: Article number 104978.

National Institute of Infectious Diseases and Vaccinology

1. Lin, GJ; Wu, CH; Yu, CC; Lin, JR; Liu, XD; Chen, YW; Chang, HM; Hong, ZJ; Cheng, CP; Sytwu, HK; Huang, SH. [Adoptive transfer of DMSO-induced regulatory T cells](#)

- [exhibits a similar preventive effect compared to an in vivo DMSO treatment for chemical-induced experimental encapsulating peritoneal sclerosis in mice](#). *Toxicology and Applied Pharmacology*. 2019 Sep 1; 378: Article number 114641.
2. Lin, YC; Liao, YJ; Lee, YH; Tseng, SF; Liu, JY; Chen, YS; Shui, HA; Lin, FZ; Lin, KH; Chen, YC; Tsai, MC; Sytwu, HK; Wang, CC; Chuang, YP. [Staphylococcal phosphatidylinositol-specific phospholipase C potentiates lung injury via complement sensitisation](#). *Cellular Microbiology*. 2019 Jul: Article number e13085.
 3. Wu, HH; Chang, YY; Kuo, SC; Chen, YT. [Influenza vaccination and secondary prevention of cardiovascular disease among Taiwanese elders-A propensity score-matched follow-up study](#). *PLoS ONE*. 2019 Jul; 14(7): Article number e0219172.
 4. Chang, YT; Siu, LK; Wang, JT; Wu, TL; Chen, YH; Chuang, YC; Lin, JC; Lu, PL. [Resistance mechanisms and molecular epidemiology of carbapenem-nonsusceptible Escherichia coli in Taiwan, 2012-2015](#). *Infection and Drug Resistance*. 2019 May; 12: 2113-2123.
 5. Teng, CF; Yu, CH; Chang, HY; Hsieh, WC; Wu, TH; Lin, JH; Wu, HC; Jeng, LB; Su, IJ. [Chemopreventive effect of phytosomal curcumin on hepatitis B virus-related hepatocellular carcinoma in a transgenic mouse model](#). *Scientific Reports*. 2019 Jul; 9: Article number 10338.
 6. Chien, YS; Luo, ST; Tsao, KC; Huang, YC; Chung, WY; Liao, YC; Tan, Y; Das, SR; Lee, MS. [Genomic analysis of serologically untypable human enteroviruses in Taiwan](#). *Journal of Biomedical Science*. 2019 Jul; 26: Article number 49.
 7. Tsai, JJ; Liu, WL; Lin, PC; Huang, BY; Tsai, CY; Lee, PA; Tsai, YL; Chou, PH; Chung, S; Liu, LT; Chen, CH. [A fully automated sample-to-answer PCR system for easy and sensitive detection of dengue virus in human serum and mosquitos](#). *PLoS ONE*. 2019 Jul 10; 14(7): Article number e0218139.
 8. Lin, RW; Chen, GW; Sung, HH; Lin, RJ; Yen, LC; Tseng, YL; Chang, YK; Lien, SP; Shih, SR; Liao, CL. [Naturally occurring mutations in PB1 affect influenza A virus replication fidelity, virulence, and adaptability](#). *Journal of Biomedical Science*. 2019 Jul 31; 26: Article number 55.

National Mosquito-Borne Diseases Control Research Center

1. Chen, M; Yang, MH; Chang, MM; Tyan, YC; Chen, YMA. [Tumor suppressor gene glycine N-methyltransferase and its potential in liver disorders and hepatocellular carcinoma.](#) *Toxicology and Applied Pharmacology*. 2019 Sep 1; 378: Article number 114607.
2. Hu, PS; Chou, CC; Huang, CG; Tu, WC; Wang, HY; Chan, MC. [Knocking down free-flight adult mosquitoes via dynamic tracking.](#) *OSA Continuum*. 2019 Jun 15; 2(6): 2028-2037.
3. Tsai, JJ; Liu, WL; Lin, PC; Huang, BY; Tsai, CY; Lee, PA; Tsai, YL; Chou, PH; Chung, S; Liu, LT; Chen, CH. [A fully automated sample-to-answer PCR system for easy and sensitive detection of dengue virus in human serum and mosquitos.](#) *PLoS ONE*. 2019 Jul 10; 14(7): Article number e0218139.
4. Lin, RW; Chen, GW; Sung, HH; Lin, RJ; Yen, LC; Tseng, YL; Chang, YK; Lien, SP; Shih, SR; Liao, CL. [Naturally occurring mutations in PB1 affect influenza A virus replication fidelity, virulence, and adaptability.](#) *Journal of Biomedical Science*. 2019 Jul 31; 26: Article number 55.

Center for Neuropsychiatric Research

1. Back, S; Dossat, A; Parkkinen, I; Koivula, P; Airavaara, M; Richie, CT; Chen, YH; Wang, Y; Harvey, BK. [Neuronal activation stimulates cytomegalovirus promoter-driven transgene expression.](#) *Molecular therapy. Methods and Clinical Development*. 2019 Sep 13; 14: 180-188.
2. Chuang, WC; Yeh, CB; Wang, SC; Pan, PY; Shyu, JF; Liu, YP; Gau, SSF; Lu, RB. [Potential negative effects of dextromethorphan as an add-on therapy to methylphenidate in children with ADHD.](#) *Frontiers in Psychiatry*. 2019 Jun; 10: Article number 437.
3. Hsieh, CP; Chang, WT; Chen, L; Chen, HH; Chan, MH. [Differential inhibitory effects of resveratrol on excitotoxicity and synaptic plasticity: Involvement of NMDA receptor subtypes.](#) *Nutritional Neuroscience*. 2019 Jul 22; Article in Press.
4. Lin, WY; Chan, CC; Liu, YL; Yang, AC; Tsai, SJ; Kuo, PH. [Performing different kinds of physical exercise differentially attenuates the genetic effects on obesity measures:](#)

- [Evidence from 18,424 Taiwan Biobank participants](#). *PLoS Genetics*. 2019 Aug; 15(8): Article number e1008277.
5. Chen, YC; Liu, YL; Tsai, SJ; Kuo, PH; Huang, SS; Lee, YS. [LRRTM4 and PCSK5 genetic polymorphisms as markers for cognitive impairment in a hypotensive aging population: A genome-wide association study in Taiwan](#). *Journal of Clinical Medicine*. 2019 Jul 29; 8(8): Article number 1124.
 6. Lin, E; Kuo, PH; Liu, YL; Yang, AC; Tsai, SJ. [A gene-based analysis of variants in the brain-derived neurotrophic factor gene with psychological distress in a Taiwanese population](#). *Taiwanese Journal of Psychiatry*. 2019 Mar; 33(1): 33-38.
 7. Kuo, YM; Hsu, PC; Hung, CC; Hu, YY; Huang, YJ; Gan, YL; Lin, CH; Shie, FS; Chang, WK; Kao, LS; Tsou, MY; Lee, YH. [Soluble epoxide hydrolase inhibition attenuates excitotoxicity involving 14,15-Epoxyeicosatrienoic acid-mediated astrocytic survival and plasticity to preserve glutamate homeostasis](#)[Erratum: *Molecular Neurobiology*. 2019 Jul 1; Article in Press.]. *Molecular Neurobiology*. 2019 Jul 18; Article in Press.
 8. Kuo, YM; Hsu, PC; Hung, CC; Hu, YY; Huang, YJ; Gan, YL; Lin, CH; Shie, FS; Chang, WK; Kao, LS; Tsou, MY; Lee, YH. [Soluble epoxide hydrolase inhibition attenuates excitotoxicity involving 14,15-Epoxyeicosatrienoic acid-mediated astrocytic survival and plasticity to preserve glutamate homeostasis](#). *Molecular Neurobiology*. 2019 Jul 1; Article in Press.
 9. Shahrer, RA; Linares, G; Wang, Y; Hsueh, SC; Wu, CC; Chuang, DM; Chiang, YH; Chen, KY. [Transplantation of mesenchymal stem cells overexpressing FGF21 facilitates cognitive recovery and enhances neurogenesis in a mouse model of traumatic brain injury](#). *Journal of Neurotrauma*. 2019 Jul 12; Article in Press.

Immunology Research Center

1. Keshari, S; Sipayung, AD; Hsieh, CC; Su, LJ; Chiang, YR; Chang, HC; Yang, WC; Chuang, TH; Chen, CL; Huang, CM. [The IL-6/p-BTK/p-ERK signaling mediates the calcium phosphate-induced pruritus](#). *FASEB Journal*. 2019 Jul 31; Article in Press.
2. Chuang, HC; Chen, YM; Chen, MH; Hung, WT; Yang, HY; Tseng, YH; Tan, TH. [AhR-](#)

[ROR-gammat complex is a therapeutic target for MAP4K3/GLK\(high\)IL-17A\(high\) subpopulation of systemic lupus erythematosus.](#) *FASEB Journal*. 2019 Jul 18; Article in Press.

Graduate Student Program

1. Lee, WJ; Chen, LC; Lin, JH; Cheng, TC; Kuo, CC; Wu, CH; Chang, HW; Tu, SH; Ho, YS. [Melatonin promotes neuroblastoma cell differentiation by activating hyaluronan synthase 3-induced mitophagy.](#) *Cancer Medicine*. 2019 Jul; Article in Press.
2. Wu, DW; Yang, CJ; Tsai, JH; Hsiao, HH. [Anti-tuberculosis agents may be associated with myelodysplastic syndromes.](#) *Kaohsiung Journal of Medical Sciences*. 2019 Aug 2; Article in Press.
3. Chen, CH; Lee, HH; Chuang, HY; Hung, JY; Huang, MY; Chong, IW. [Combination of whole-brain radiotherapy with epidermal growth factor receptor tyrosine kinase inhibitors improves overall survival in EGFR-mutated non-small cell lung cancer patients with brain metastases.](#) *Cancers*. 2019 Jul 31; 11(8): Article number 1092.
4. Wu, KH; Lee, WJ; Cheng, TC; Chang, HW; Chen, LC; Chen, CC; Lien, HM; Lin, TN; Ho, YS. [Study of the antitumor mechanisms of apiole derivatives \(AP-02\) from *Petroselinum crispum* through induction of G0/G1 phase cell cycle arrest in human COLO 205 cancer cells.](#) *BMC Complementary and Alternative Medicine*. 2019 Jul 27; 19: Article number 188.
5. Tani, J; Weng, HY; Chen, HJ; Chang, TS; Sung, JY; Lin, CSY. [Elucidating unique axonal dysfunction between nitrous oxide abuse and vitamin B12 deficiency.](#) *Frontiers in Neurology*. 2019 Jul; 10: Article number 704.
6. Wang, SM; Lin, HY; Chen, YL; Hsu, TI; Chuang, JY; Kao, TJ; Ko, CY. [CCAAT/enhancer-binding protein delta regulates the stemness of glioma stem-like cells through activating PDGFA expression upon inflammatory stimulation.](#) *Journal of Neuroinflammation*. 2019 Jul; 16: Article number 146.
7. Yu, HR; Tsai, JH; Richard Lin, CH; Wang, JY; Wen, YH; Wu, SS; Hou, Y; Lee, IK; Tu, HP; Lee, YC. [Is asthma a protective factor for dengue fever? In vitro experiment and](#)

- [nationwide population-based cohort analysis](#). *Allergology International*. 2019 Jun 24; *Article in Press*.
8. Shahrer, RA; Linares, G; Wang, Y; Hsueh, SC; Wu, CC; Chuang, DM; Chiang, YH; Chen, KY. [Transplantation of mesenchymal stem cells overexpressing FGF21 facilitates cognitive recovery and enhances neurogenesis in a mouse model of traumatic brain injury](#). *Journal of Neurotrauma*. 2019 Jul 12; *Article in Press*.
9. Wang, CW; Chuang, HY; Liao, KW; Yu, ML; Dai, CY; Chang, WT; Tsai, CH; Chiang, HC; Huang, PC. [Urinary thiodiglycolic acid is associated with increased risk of non-alcoholic fatty liver disease in children living near a petrochemical complex](#). *Environment International*. 2019 Oct; 131: *Article number 104978*.