

NHRI Publication _ Nov 2018

Institute of Biomedical Engineering and Nanomedicine

1. Wu, KJ; Yu, SJ; Chiang, CW; Lee, YW; Yen, BL; Hsu, CS; Kuo, LW; Wang, Y. [Wharton' jelly mesenchymal stromal cell therapy for ischemic brain injury](#). *Brain Circulation*. 2018 Jul-Sep; 4(3): 124-127.
2. Kan, PC; Chang, YJ; Chien, CS; Su, CY; Fang, HW. [Coupling dichloroacetate treatment with curcumin significantly enhances anticancer potential](#). *Anticancer Research*. 2018 Nov; 38(11): 6253-6261.
3. Shih, CH; Chen, JK; Kuo, LW; Cho, KH; Hsiao, TC; Lin, ZW; Lin, YS; Kang, JH; Lo, YC; Chuang, KJ; Cheng, TJ; Chuang, HC. [Chronic pulmonary exposure to traffic-related fine particulate matter causes brain impairment in adult rats](#). *Particle and Fibre Toxicology*. 2018 Nov 9; 15: Article number 44.
4. Liu, YH; Xu, Y; Liao, LD; Chan, KC; Thakor, NV. [A handheld real-time photoacoustic imaging system for animal neurological disease models: From simulation to realization](#). *Sensors*. 2018 Nov 21; 18(11): Article number 4081.
5. Yao, KT; Kao, HC; Cheng, CK; Fang, HW; Huang, CH; Hsu, ML. [Mechanical performance of conical implant-abutment connections under different cyclic loading conditions](#). *Journal of the Mechanical Behavior of Biomedical Materials*. 2018 Nov 1; 90: 426-432.

Institute of Biotechnology and Pharmaceutical Research

1. Chu, KF; Song, JS; Chen, CT; Yeh, TK; Hsieh, TC; Huang, CY; Wang, MH; Wu, SH; Yao, CH; Chao, YS; Lee, JC. [Synthesis and biological evaluation of N-glucosyl indole derivatives as sodium-dependent glucose co-transporter 2 inhibitors](#). *Bioorganic Chemistry*. 2019 Mar; 83: 520-525.
2. Lin, IY; Chiou, YS; Wu, LC; Tsai, CY; Chen, CT; Chuang, WC; Lee, MC; Lin, CC; Lin, TT; Chen, SC; Pan, MH; Ma, N. [CCM111 prevents hepatic fibrosis via cooperative inhibition of TGF-Beta Wnt and STAT3 signaling pathways](#). *Journal of Food and Drug Analysis*. 2018 Oct 25; Article in Press.
3. Hsu, SH; Chen, SH; Kuo, CC; Chang, JY. [Ubiquitin-conjugating enzyme E2 B regulates](#)

- [the ubiquitination of O\(6\)-methylguanine-DNA methyltransferase and BCNU sensitivity in human nasopharyngeal carcinoma cells](#). *Biochemical Pharmacology*. 2018 Dec; 158: 327-338.
4. Cheng, CT; Qi, Y; Wang, YC; Chi, KK; Chung, Y; Ouyang, C; Chen, YR; Oh, ME; Sheng, X; Tang, Y; Liu, YR; Lin, HH; Kuo, CY; Schones, D; Vidal, CM; Chu, JC; Wang, HJ; Chen, YH; Miller, KM; Chu, P; Yen, Y; Jiang, L; Kung, HJ; Ann, DK. [Arginine starvation kills tumor cells through aspartate exhaustion and mitochondrial dysfunction](#). *Communications Biology*. 2018 Oct 26; 1: Article number 178.

Institute of Cellular and Systems Medicine

1. Tsui, PF; Lin, CS; Ho, LJ; Lai, JH. [Spices and Atherosclerosis](#). *Nutrients*. 2018 Nov 10; 10(11): Article number 1724.
2. Liu, TA; Jan, YJ; Ko, BS; Wu, YJ; Lu, YJ; Liang, SM; Liu, CC; Chen, SC; Wang, J; Shyue, SK; Liou, JY. [Regulation of Aldo-keto-reductase family 1 B10 by 14-3-3epsilon and their prognostic impact of hepatocellular carcinoma \[Erratum: Oncotarget. 2015 Nov;6\(36\):38967-38982.\]](#). *Oncotarget*. 2018 Oct 9; 9(79): 35026.
3. Wu, KJ; Yu, SJ; Chiang, CW; Lee, YW; Yen, BL; Hsu, CS; Kuo, LW; Wang, Y. [Wharton' jelly mesenchymal stromal cell therapy for ischemic brain injury](#). *Brain Circulation*. 2018 Jul-Sep; 4(3): 124-127.
4. Pai, VC; Hsu, CC; Chan, TS; Liao, WY; Chuu, CP; Chen, WY; Li, CR; Lin, CY; Huang, SP; Chen, LT; Tsai, KK. [ASPM promotes prostate cancer stemness and progression by augmenting Wnt-Dvl-3-beta-catenin signaling \[Erratum: Oncogene. 2018 Sep 28; Article in Press.\]](#). *Oncogene*. 2018 Nov 2; Article in Press.

Institute of Molecular and Genomic Medicine

1. Liu, JY; Liao, TL; Huang, WC; Liu, YM; Wu, KM; Lauderdale, TL; Tsai, SF; Kuo, SC; Kuo, HC. [Increased mcr-1 in pathogenic Escherichia coli from diseased swine, Taiwan](#). *Journal of Microbiology, Immunology and Infection*. 2018 Nov 20; Article in Press.
2. Chan, SH; Tsai, KW; Chiu, SY; Kuo, WH; Chen, HY; Jiang, SS; Chang, KJ; Hung, WC; Wang, LH. [Identification of the novel role of CD24 as an oncogenesis regulator and therapeutic target for triple negative breast cancer](#). *Molecular Cancer Therapeutics*. 2018 Oct 31; Article in Press.

3. Chou, YT; Chen, LY; Tsai, SL; Tu, HC; Lu, JW; Ciou, SC; Wang, HD; Yuh, CH. [Ribose-5-Phosphate Isomerase a overexpression promotes liver cancer development in transgenic zebrafish via activation of ERK and beta-catenin pathways.](#) *Carcinogenesis*. 2018 Nov 12; <http://ir.nhri.org.tw/handle/3990099045/11521> Article in Press.
4. Cheng, CT; Qi, Y; Wang, YC; Chi, KK; Chung, Y; Ouyang, C; Chen, YR; Oh, ME; Sheng, X; Tang, Y; Liu, YR; Lin, HH; Kuo, CY; Schones, D; Vidal, CM; Chu, JC; Wang, HJ; Chen, YH; Miller, KM; Chu, P; Yen, Y; Jiang, L; Kung, HJ; Ann, DK. [Arginine starvation kills tumor cells through aspartate exhaustion and mitochondrial dysfunction.](#) *Communications Biology*. 2018 Oct 26; 1: Article number 178.

Institute of Population Health Sciences

1. Ting, CH; Liu, YC; Lyu, PC; Chen, JY. Nile tilapia derived antimicrobial peptide TP4 exerts antineoplastic activity through microtubule disruption. *Marine Drugs*. 2018 Nov 22; 16(12): Article number 462.
2. Liu, CL; Lin, MY; Hwang, SJ; Liu, CK; Lee, HL; Wu, MT. [Association of hyperglycemia episodes on long-term mortality in type 2 diabetes mellitus with vascular dementia: A population-based cohort study.](#) *Journal of Diabetes and Its Complications*. 2018 Oct 25; Article in Press.
3. Li, CL; Stanaway, FF; Lin, JD; Chang, HY. [Frailty and health care use among community-dwelling older adults with diabetes: A population-based study.](#) *Clinical Interventions in Aging*. 2018 Nov 8; 13: 2295-2300.
4. Chang, LY; Wu, CC; Lin, LN; Chang, HY; Yen, LL. [Age and sex differences in the effects of peer victimization on depressive symptoms: Exploring sleep problems as a mediator.](#) *Journal of Affective Disorders*. 2018 Nov 5; 245: 553-560.
5. Chuang, SY; Cheng, HM; Mitchell, GF; Sung, SH; Chen, CH; Pan, WH; Hwang, AC; Chen, LK; Wang, PN. [Carotid flow velocities and blood pressures are independently associated with cognitive function.](#) *American Journal of Hypertension*. 2018 Nov 2; Article in Press.
6. Kao, CC; Liu, JS; Chang, YK; Lin, MH; Lin, YC; Chen, HH; Chang, WC; Hsu, CC; Wu, MS. [Cancer and mTOR inhibitors in kidney transplantation recipients.](#) *PeerJ*. 2018 Nov 8; 2018(11): Article number e5864.
7. Chou, HH; Chiou, YY; Chiou, YH; Tain, YL; Wang, HH; Yu, MC; Hsu, CC; Lin, CY.

- [Mortality risks among various primary renal diseases in children and adolescents on chronic dialysis](#). *Journal Of Clinical Medicine*. 2018 Nov 5; 7(11): Article number 414.
8. Chang, CH; Chueh, SCJ; Wu, VC; Chen, L; Lin, YH; Hu, YH; Wu, KD; Tsai, YC. [Risk of severe erectile dysfunction in primary hyperaldosteronism: A population-based propensity score matching cohort study](#). *Surgery*. 2018 Nov 23; Article in Press.
 9. Chan, CK; Hu, YH; Chen, L; Chang, CC; Lin, YF; Lai, TS; Huang, KH; Lin, YH; Wu, VC; Wu, KD; TAIPEI Study Group. [Risk of sepsis in patients with primary aldosteronism](#). *Critical Care*. 2018 Nov 21; 22: Article number 313.
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 12. Chou, CH; Lee, JT; Lin, CC; Muo, CH; Wen, CP; Wang, IK; Kao, CH; Hsu, CY; Tseng, CH. [Association between septicemia and vascular dementia: A nation-wide population-based study](#). *International Journal of Stroke*. 2018 Oct; 13(Suppl. 2): 160.
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 15. Kumar, V; Weng, YC; Wu, YC; Huang, YT; Liu, TH; Kristian, T; Liu, YL; Tsou, HH; Chou, WH. [Genetic inhibition of PKCepsilon attenuates neurodegeneration after global cerebral ischemia in male mice](#). *Journal of Meuroscience Research*. 2018 Nov 29; Article in Press.

National Institute of Cancer Research

1. Chan, SH; Tsai, KW; Chiu, SY; Kuo, WH; Chen, HY; Jiang, SS; Chang, KJ; Hung, WC; Wang, LH. [Identification of the novel role of CD24 as an oncogenesis regulator and therapeutic target for triple negative breast cancer](#). *Molecular Cancer Therapeutics*. 2018 Oct 31; Article in Press.
2. Hsu, SH; Chen, SH; Kuo, CC; Chang, JY. [Ubiquitin-conjugating enzyme E2 B regulates the ubiquitination of O\(6\)-methylguanine-DNA methyltransferase and BCNU sensitivity in human nasopharyngeal carcinoma cells](#). *Biochemical Pharmacology*. 2018 Dec; 158: 327-338.
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 13. Chen, LT; Siveke, JT; Wang-Gillam, A; Li, CP; Bodoky, G; Dean, AP; Shan, YS; Jameson, GS; Macarulla, T; Lee, KH; Cunningham, D; Blanc, JF; Chiu, CF; Schwartzmann, G; Braiteh, FS; Mamlouk, K; Belanger, B; de Jong, FA; Hubner, RA. [Survival with nal-IRI \(liposomal irinotecan\) plus 5-fluorouracil and leucovorin versus 5-fluorouracil and leucovorin in per-protocol and non-per-protocol populations of NAPOLI-1: Expanded analysis of a global phase 3 trial](#). *European Journal of Cancer*. 2018 Nov 7; 105: 71-78.
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National Institute of Environmental Health Sciences

1. Chen, CC; Huang, YT; Yang, CY. [Effects of national smoke-free legislation on the rates of preterm births and low birthweights in Taiwan](#). *Journal of Toxicology and Environmental Health. Part A*. 2018 Nov 22; 81(23): 1207-1213.
2. Chin, WS; Chen, YC; Ho, JJ; Cheng, NY; Wu, HC; Shiao, JSC. [Psychological work environment and suicidal ideation among nurses in Taiwan](#). *Journal of Nursing Scholarship*. 2018 Nov 22; Article in Press.
3. Huang, CC; Chen, BY; Pan, SC; Ho, YL; Guo, YL. [Prenatal exposure to PM2.5 and congenital heart diseases in Taiwan](#). *Science of the Total Environment*. 2019 Mar; 655: 880-886.
4. Wang, CW; Liao, KW; Chan, CC; Yu, ML; Chuang, HY; Chiang, HC; Huang, PC. [Association between urinary thioidglycolic acid level and hepatic function or fibrosis index in school-aged children living near a petrochemical complex](#). *Environmental Pollution*. 2019 Jan; 244: 648-656.

National Institute of Infectious Diseases and Vaccinology

1. Liu, JY; Liao, TL; Huang, WC; Liu, YM; Wu, KM; Lauderdale, TL; Tsai, SF; Kuo, SC; Kuo, HC. [Increased mcr-1 in pathogenic Escherichia coli from diseased swine, Taiwan](#). *Journal of Microbiology, Immunology and Infection*. 2018 Nov 20; Article in Press.
2. Huang, SY; Lin, MH; Chen, YH; Lai, CC; Lee, MS; Hu, AY; Sung, WC. [Application of stable isotope dimethyl labeling for MRM based absolute antigen quantification of influenza vaccine](#). *Journal of Chromatography. B, Analytical Technologies in the Biomedical and Life Sciences*. 2019 Jan; 1104: 40-48.
3. Chiu, ML; Cheng, CF; Liang, WM; Lin, PT; Wu, TN; Chen, CY. [The temporal relationship between selected mental disorders and substance-related disorders: A nationwide](#)

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 6. Shih, FY; Su, IJ; Chu, LL; Lin, X; Kuo, SC; Hou, YC; Chiang, YT. [Development of pectin-type B gelatin polyelectrolyte complex for curcumin delivery in anticancer therapy](#). *International Journal of Molecular Sciences*. 2018 Nov 17; 19(11): Article number 3625.
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Center for Neuropsychiatric Research

1. Kumar, V; Weng, YC; Wu, YC; Huang, YT; Chou, WH. [PKCepsilon phosphorylation regulates the mitochondrial translocation of ATF2 in ischemia-induced neurodegeneration](#). *BMC Neuroscience*. 2018 Nov 29; 19: Article number 76.
2. Chen, CY; Wang, IA; Wang, N; Lu, MC; Liu, CY; Chen, WJ. [Leisure activity participation in relation to alcohol purchasing and consumption in adolescence](#). *Addictive Behaviors*. 2019 Mar; 90: 294-300.
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5. Wu, KJ; Yu, SJ; Chiang, CW; Lee, YW; Yen, BL; Hsu, CS; Kuo, LW; Wang, Y. [Wharton' jelly mesenchymal stromal cell therapy for ischemic brain injury](#). *Brain Circulation*. 2018

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Immunology Research Center

1. Yang, JX; Hsiung, TC; Weng, FC; Ding, SL; Wu, CP; Conti, M; Chuang, TH; Catherine Jin, SL. [Synergistic effect of phosphodiesterase 4 inhibitor and serum on migration of endotoxin-stimulated macrophages.](#) *Innate Immunity.* 2018 Nov; 24(8): 501-512.
2. Natsagdorj, A; Izumi, K; Hiratsuka, K; Machioka, K; Iwamoto, H; Naito, R; Makino, T; Kadomoto, S; Shigehara, K; Kadono, Y; Lin, WJ; Maolake, A; Mizokami, A. [CCL2 induces resistance to the antiproliferative effect of cabazitaxel in prostate cancer clls.](#) *Cancer Science.* 2018 Nov 13; Article in Press.

NHRI Graduate Student Program

1. Kuo, CJ; Huang, CC; Chou, SY; Lo, YC; Kao, TJ; Huang, NK; Lin, C; Lin, HC; Lin, HC; Lee, YC. [Potential therapeutic effect of curcumin, a natural mTOR inhibitor, in tuberous sclerosis complex.](#) *Phytomedicine.* 2019 Feb 15; 54: 132-139.
2. Wang, CW; Liao, KW; Chan, CC; Yu, ML; Chuang, HY; Chiang, HC; Huang, PC. [Association between urinary thiodiglycolic acid level and hepatic function or fibrosis index in school-aged children living near a petrochemical complex.](#) *Environmental Pollution.* 2019 Jan; 244: 648-656.