

NHRI Publication _ Oct 2018

Institute of Biomedical Engineering and Nanomedicine

1. Wu, KJ; Yu, SJ; Chiang, CW; Lee, YW; Yen, BL; Tseng, PC; Hsu, CS; Kuo, LW; Wang, Y. [Neuroprotective action of human Wharton's Jelly-Derived mesenchymal stromal cell transplants in a rodent model of stroke](#). *Cell Transplantation*. 2018 Oct 4; Article in Press.
2. Hsieh, WT; Yang, HC; Wu, YT; Tsai, FS; Kuo, LW; Lee, CC. [Integrating perceivers neural-perceptual responses using a deep voting fusion network for automatic vocal emotion decoding](#). *ICASSP, IEEE International Conference on Acoustics, Speech and Signal Processing - Proceedings*. 2018 Sep 10; 2018-April: 1015-1019.
3. Cai, X; Bandla, A; Chuan, CK; Magarajah, G; Liao, LD; Teh, DBL; Kennedy, BK; Thakor, NV; Liu, B. [Identifying glioblastoma margins using dual-targeted organic nanoparticles for efficient in vivo fluorescence image-guided photothermal therapy](#). *Materials Horizons*. 2018 Oct 13; Article in Press.

Institute of Biotechnology and Pharmaceutical Research

1. Chen, YH; Lee, HJ; Lee, MT; Wu, YT; Lee, YH; Hwang, LL; Hung, MS; Zimmer, A; Mackie, K; Chiou, LC. [Median nerve stimulation induces analgesia via orexin-initiated endocannabinoid disinhibition in the periaqueductal gray](#). *Proceedings of the National Academy of Sciences of the United States of America*. 2018 Oct 22; Article in Press.
2. Chen, CM; Shiao, HY; Uang, BJ; Hsieh, HP. [Biomimetic syntheses of \(+/-\)-Isopalhinine A, \(+/-\)-Palhinine A, and \(+/-\)-Palhinine D](#). *Angewandte Chemie*. 2018 Oct 4; Article in Press.
3. Cheng, AN; Lo, YK; Lin, YS; Tang, TK; Hsu, CH; Hsu, JTA; Lee, AYL. [Identification of novel Cdc7 kinase inhibitors as anti-cancer agents that target the interaction with Dbf4 by the fragment complementation and drug repositioning approach](#). *EBioMedicine*. 2018 Oct; Article in Press.
4. Kao, TT; Peng, BK; Liang, MC; Lee, CJ; Chen, IC; Shia, KS; Wu, YK. [Temperature-controlled thiation of alpha-Cyano-beta-Alkynyl carbonyl derivatives for de novo synthesis of 2-Aminothiophenes and thieno\[2,3- c\]isothiazoles](#). *Journal of Organic Chemistry*. 2018 Oct; Article in Press.

5. Lai, YJ; Yu, WN; Kuo, SC; Ho, CT; Hung, CM; Way, TD; Chen, CT. [CSC-3436 inhibits TWIST-induced epithelial-mesenchymal transition via the suppression of Twist/Bmi1/Akt pathway in head and neck squamous cell carcinoma](#). *Journal of Cellular Physiology*. 2018 Oct 20; Article in Press.

Institute of Cellular and Systems Medicine

1. hLiu, PS; Ho, PC. [Determining macrophage polarization upon metabolic perturbation](#). *Methods in Molecular Biology*. 2019; Chapter 13: 173-186.
2. Liu, Y; Hsu, SH. [Synthesis and biomedical applications of self-healing hydrogels](#). *Frontiers in Chemistry*. 2018 Oct 2; 6: Article number 499.
3. htWu, KJ; Yu, SJ; Chiang, CW; Lee, YW; Yen, BL; Tseng, PC; Hsu, CS; Kuo, LW; Wang, Y. [Neuroprotective action of human Wharton's Jelly-Derived mesenchymal stromal cell transplants in a rodent model of stroke](#). *Cell Transplantation*. 2018 Oct 4; Article in Press.

Institute of Population Health Sciences

1. Yao, TC; Wu, AC; Huang, YW; Wang, JY; Tsai, HJ. [Increasing trends of anaphylaxis-related events: An analysis of anaphylaxis using nationwide data in Taiwan, 2001-2013](#). *World Allergy Organization Journal*. 2018 Oct 10; 11: Article number 23.
2. Lee, YH; Lai, GM; Lee, DC; Tsai Lai, LJ; Chang, YP. [Promoting physical and psychological rehabilitation activities and evaluating potential links among cancer-related fatigue, fear of recurrence, quality of life, and physiological indicators in cancer survivors](#). *Integrative Cancer Therapies*. 2018 Oct 25; Article in Press.
3. Li, YC; Graham, JD; Cairney, J. [Moderating effects of physical activity and global self-worth on internalizing problems in school-aged children with developmental coordination disorder](#). *Frontiers in Psychology*. 2018 Sep 19; 9: Article number 1740.
4. Chen, CY; Wu, VC; Lin, CJ; Lin, CS; Pan, CF; Chen, HH; Lin, YF; Huang, TM; Chen, L; Wu, CJ; Wu, VC; Lai, TS; Lin, YF; Tsai, IJ; Lai, CF; Huang, TM; Chu, TS; Chen, YM; Wang, JJ; Chang, YH; Chen, CY; Shiao, CC; Wang, WJ; Lin, JH; Wu, CH; Yeh, YC; Lai, CH; Tseng, LJ; Wu, CJ; Wu, KD; National Taiwan University Study Group on Acute Renal Failure. [Improvement in mortality and end-stage renal disease in patients with type 2 diabetes after acute kidney injury who are prescribed dipeptidyl peptidase-4 inhibitors](#). *Mayo Clinic Proceedings*. 2018 Oct 19; Article in Press.

5. Lai, CC; Wang, YH; Wang, CY; Wang, HC; Yu, CJ; Chen, L; on the behalf of Taiwan Clinical Trial Consortium for Respiratory Diseases (TCORE). [Risk of sepsis and mortality among patients with chronic obstructive pulmonary disease treated with angiotensin-converting enzyme inhibitors or angiotensin receptor blockers](#). *Critical Care Medicine*. 2018 Oct 9; Article in Press.
6. Chi, NF; Wen, CP; Liu, CH; Li, JY; Jeng, JS; Chen, CH; Lien, LM; Lin, CH; Sun, Y; Chang, WL; Hu, CJ; Hsu, CY. [Comparison between Aspirin and clopidogrel in secondary stroke prevention based on real-world data](#). *Journal of the American Heart Association*. 2018 Oct 2; 7(19): Article number e009856.
7. Cade, B; Wang, H; Chen, H; Ekunwe, L; Gharib, S; Guo, X; Hale, L; Hsiung, A; McGarvey, S; Mei, H; Mitchell, B; Min, N; Ochs-Balcom, H; Patel, S; Purcell, S; Rotter, J; Saxena, R; Shah, N; Sofer, T; Sul, JH; Sunyaev, S; Wilson, J; Zhu, X; Gottlieb, D; Lin, X; Redline, S. [Whole genome sequence association analysis of sleep-disordered breathing traits in trans-omics for precision medicine \(topmed\)](#). *Sleep Medicine*. 2017 Dec; 40(Suppl. 1): E44-E45.
8. Lai, ZL; Tseng, CH; Ho, HJ; Cheung, CKY; Lin, JY; Chen, YJ; Cheng, FC; Hsu, YC; Lin, JT; El-Omar, EM; Wu, CY. [Fecal microbiota transplantation confers beneficial metabolic effects of diet and exercise on diet-induced obese mice](#). *Scientific Reports*. 2018 Oct 23; 8: Article number 15625.
9. Tsai, HJ; Wang, G; Hong, X; Yao, TC; Ji, Y; Radovick, S; Ji, H; Cheng, TL; Wang, X. [Early life weight gain and development of childhood asthma in a prospective birth cohort](#). *Annals of the American Thoracic Society*. 2018 Oct 1; 15(10): 1197-1204.
10. Yen, FS; Chen, W; Wei, JCC; Hsu, CC; Hwu, CM. [Effects of metformin use on total mortality in patients with type 2 diabetes and chronic obstructive pulmonary disease: A matchedsubject design](#). *PLoS ONE*. 2018 Oct 4; 13(10): Article number e0204859.
11. Kamiza, AB; Wang, WC; You, JF; Tang, R; Wang, YT; Chien, HT; Lai, CH; Chiu, LP; Lo, TP; Hung, KY; Hsiung, CA; Yeh, CC. [EGFR, SMAD7, and TGFBR2 polymorphisms are associated with colorectal cancer in patients with lynch syndrome](#). *Anticancer Research*. 2018 Oct; 38(10): 5983-5990.

National Institute of Cancer Research

1. Cheng, AN; Lo, YK; Lin, YS; Tang, TK; Hsu, CH; Hsu, JTA; Lee, AYL. [Identification of novel Cdc7 kinase inhibitors as anti-cancer agents that target the interaction with Dbf4 by](#)

- [the fragment complementation and drug repositioning approach](#). *EBioMedicine*. 2018 Oct; Article in Press.
2. hLee, WT; Hsiao, JR; Ou, CY; Huang, CC; Chang, CC; Tsai, ST; Chen, KC; Huang, JS; Wong, TY; Lai, YH; Wu, YH; Hsueh, WT; Wu, SY; Yen, CJ; Chang, JY; Lin, CL; Weng, YL; Yang, HC; Chen, YS; Chang, JS. [The influence of pre-diagnosis alcohol consumption and the polymorphisms of ethanol metabolizing genes on the survival of head and neck cancer patients](#). *Cancer Epidemiology, Biomarkers and Prevention*. 2018 Oct 1; Article in Press.
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 4. hWei, RJ; Wu, WR; Pan, CT; Yu, CY; Li, CF; Chen, LR; Liang, SS; Shiue, YL. [Inhibition of the formation of autophagosome but not autolysosome augments ABT-751-induced apoptosis in TP53-deficient Hep-3B cells](#). *Journal of Cellular Physiology*. 2018 Oct 26; Article in Press.
 5. Baskaran, R; Priya, LB; Sathish Kumar, V; Padma, VV. [Tinospora cordifolia extract prevents cadmium-induced oxidative stress and hepatotoxicity in experimental rats](#). *Journal of Ayurveda and Integrative Medicine*. 2018 Oct 11; Article in Press.
 6. Tian, YF; Wang, HC; Luo, CW; Hung, WC; Lin, YH; Chen, TY; Li, CF; Lin, CY; Pan, MR. [Preprogramming therapeutic response of PI3K/mTOR dual inhibitor via the regulation of EHMT2 and p27 in pancreatic cancer](#). *American Journal of Cancer Research*. 2018 Sep 15; 8(9): 1812-1822.
 7. Kao, RH; Lai, GM; Chow, JM; Liao, CH; Zheng, YM; Tsai, WL; Hsia, S; Lai, IC; Lee, HL; Chuang, SE; Whang-Peng, J; Yao, CJ. [Opposite regulation of CHOP and GRP78 and synergistic apoptosis induction by selenium yeast and fish Oil via AMPK activation in lung adenocarcinoma cells](#). *Nutrients*. 2018 Oct 8; 10(10): Article number 1458.
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9. Chao, HR; Hsu, JW; Ku, HY; Wang, SL; Huang, HB; Liou, SH; Tsou, TC. [Inflammatory response and PM2.5 exposure of urban traffic conductors](#). *Aerosol and Air Quality Research*. 2018 Oct; 18(10): 2633-2642.

National Institute of Environmental Health Sciences

1. Huang, WH; Chen, BY; Kim, H; Honda, Y; Guo, YL. [Significant effects of exposure to relatively low level ozone on daily mortality in 17 cities from three Eastern Asian Countries](#). *Environmental Research*. 2019 Jan; 168: 80-84.
2. Chen, BY; Chen, CH; Chuang, YC; Wu, YH; Pan, SC; Guo, YL. [Changes in the relationship between childhood asthma and ambient air pollution in Taiwan: Results from a nationwide survey repeated 5 years apart](#). *Pediatric Allergy and Immunology*. 2018 Oct 29; Article in Press.
3. Hung, NT; Ting, HW; Chi, KH. [Evaluation of the relative health risk impact of atmospheric PCDD/Fs in PM2.5 in Taiwan](#). *Aerosol and Air Quality Research*. 2018 Oct; 18(10): 2591-2599.
4. Chao, HR; Hsu, JW; Ku, HY; Wang, SL; Huang, HB; Liou, SH; Tsou, TC. [Inflammatory response and PM2.5 exposure of urban traffic conductors](#). *Aerosol and Air Quality Research*. 2018 Oct; 18(10): 2633-2642.

National Institute of Infectious Diseases and Vaccinology

1. Liu, YH; Kuo, SC; Yao, BY; Fang, ZS; Lee, YT; Chang, YC; Chen, TL; Hu, CJ. [Colistin nanoparticle assembly by coacervate complexation with polyanionic peptides for treating drug-resistant gram-negative bacteria](#). *Acta Biomaterialia*. 2018 Oct 11; Article in Press.
2. Chien, YS; Luo, ST; Tsao, KC; Wang, YH; Lin, TY; Huang, YC; Lee, MS. [Genomic analysis of enterovirus D68, including one strain isolated from a child with Wilson's disease in Taiwan](#). *Journal of the Formosan Medical Association = Taiwan Yi Zhi*. 2018 Oct 18; Article in Press.
3. Teng, CF; Huang, HY; Li, TC; Shyu, WC; Wu, HC; Lin, CY; Su, IJ; Jeng, LB. [A next-generation sequencing-based platform for quantitative detection of hepatitis B virus pre-S mutants in plasma of Hepatocellular Carcinoma patients](#). *Scientific Reports*. 2018 Oct; 8: Article number 14816.

NHRI Graduate Student Program

1. sai, YR; Chang, CF; Lai, JH; Wu, JC; Chen, YH; Kang, SJ; Hoffer, BJ; Tweedie, D; Luo, W; Greig, NH; Chiang, YH; Chen, KY. [Pomalidomide ameliorates H₂O₂-induced oxidative stress injury and cell death in rat primary cortical neuronal cultures by inducing anti-oxidative and anti-apoptosis effects.](#) *International Journal of Molecular Sciences*. 2018 Oct 19; 19(10): Article number 3252.

Center for Neuropsychiatric Research

1. Wu, KJ; Yu, SJ; Chiang, CW; Lee, YW; Yen, BL; Tseng, PC; Hsu, CS; Kuo, LW; Wang, Y. [Neuroprotective action of human Wharton's Jelly-Derived mesenchymal stromal cell transplants in a rodent model of stroke.](#) *Cell Transplantation*. 2018 Oct 4; Article in Press.