

NHRI Publication _ Mar 2018

Institute of Biomedical Engineering and Nanomedicine

1. Liao, WH; Wu, CH; Chen, WS. [Pre-treatment with either L-carnitine or piracetam increases ultrasound-mediated gene transfection by reducing sonoporation-associated apoptosis.](#) *Ultrasound in Medicine and Biology*. 2018 Article; Article in Press.
2. Diaz, MA; Solovchuk, MA; Sheu, TWH. [A conservative numerical scheme for modeling nonlinear acoustic propagation in thermoviscous homogeneous media.](#) *Journal of Computational Physics*. 2018 Jun 15; 363: 200-230.
3. Diaz, MA; Solovchuk, MA; Sheu, TWH. [High-performance multi-GPU solver for describing nonlinear acoustic waves in homogeneous thermoviscous media.](#) *Computers and Fluids*. 2018 Mar 5; Article in Press.

Institute of Biotechnology and Pharmaceutical Research

1. Lin, SY; Yeh, TK; Song, JS; Hung, MS; Cheng, MF; Liao, FY; Li, AS; Cheng, SY; Lin, LM; Chiu, CH; Wu, MH; Lin, YJ; Hsiao, W; Sun, M; Wang, YH; Huang, CH; Tang, YC; Chang, HH; Huang, ZT; Chao, YS; Shih, C; Pan, SL; Wu, SY; Kuo, CC; Ueng, SH. [4-Bromophenylhydrazinyl benzenesulfonylphenylureas as indoleamine 2,3-dioxygenase inhibitors with in vivo target inhibition and anti-tumor efficacy.](#) *Bioorganic Chemistry*. 2018 Apr; 77: 600-607.
2. Yeh, HW; Hsu, EC; Lee, SS; Lang, YD; Lin, YC; Chang, CY; Lee, SY; Gu, DL; Shih, JH; Ho, CM; Chen, CF; Chen, CT; Tu, PH; Cheng, CF; Chen, RH; Yang, RB; Jou, YS. [PSPC1 mediates TGF-beta1 autocrine signalling and Smad2/3 target switching to promote EMT, stemness and metastasis.](#) *Nature Cell Biology*.

2018 Apr; 20(4): 479-491.

3. La Pietra, V; Sartini, S; Botta, L; Antonelli, A; Ferrari, SM; Fallahi, P; Moriconi, A; Coviello, V; Quattrini, L; Ke, YY; Hsing-Pang, H; Da Settimo, F; Novellino, E; La Motta, C; Marinelli, L. [Challenging clinically unresponsive medullary thyroid cancer: Discovery and pharmacological activity of novel RET inhibitors](#). *European Journal of Medicinal Chemistry*. 2018 Apr 25; 150: 491-505.

Institute of Cellular and Systems Medicine

1. Chu, L; Cheng, H; Wu, KK. [Rapamycin reduces TNF alpha-induced VCAM-1 expression in endothelial cells by promoting VCAM-1 degradation via autophagy](#). *Molecular Biology of the Cell*. 2017 Dec; 28: P1643.
2. Chen, LW; Liu, FC; Hung, LF; Huang, CY; Lien, SB; Lin, LC; Lai, JH; Ho, LJ. [Chondroprotective effects and mechanisms of dextromethorphan: Repurposing antitussive medication for osteoarthritis treatment](#). *International Journal of Molecular Sciences*. 2018 Mar 12; 19(3): Article number 825.

Institute of Molecular and Genomic Medicine

1. Naik, MT; Kang, M; Ho, CC; Liao, PH; Hsieh, YL; Naik, NM; Wang, SH; Chang, I; Shih, HM; Huang, TH. [Molecular mechanism of K65 acetylation-induced attenuation of Ubc9 and the NDSM interaction \[Erratum: Scientific Reports. 2017 Dec; 7: Article number 17391.\]](#). *Scientific Reports*. 2018 Mar 19; 8: Article number 5022.

Institute of Population Health Sciences

1. Hong, YP; Wang, YW; Huang, IH; Liao, YC; Kuo, HC; Liu, YY; Tu, YH; Chen, BH; Liao, YS; Chiou, CS. [Genetic relationships among multidrug-resistant](#)

- [salmonella enterica serovar typhimurium strains from humans and animals. *Antimicrobial Agents and Chemotherapy*. 2018 Mar 26; Article in Press.](#)
2. Chang, LY; Chang, HY; Wu, WC; Lin, LN; Wu, CC; Yen, LL. [Dual trajectories of sleep duration and cigarette smoking during adolescence: Relation to subsequent internalizing problems.](#) *Journal of Abnormal Child Psychology*. 2018 Mar 8; Article in Press.
 3. Hsu, YC; Yip, CF; Ho, HJ; Wong, WS; Huang, YT; El-Serag, HB; Lee, TY; Wu, MS; Lin, JT; Wong, GLH; Wu, CY. [Development of a scoring system to Predict Hepatocellular Carcinoma in Asians on Antivirals for Chronic Hepatitis B.](#) *Journal of Hepatology*. 2018 Mar 15; Article in Press.
 4. Lai, CC; Wang, YH; Wang, CY; Wang, HC; Yu, CJ; Chen, L. [Comparative effects of angiotensin-converting enzyme inhibitors and angiotensin II receptor blockers on the risk of pneumonia and severe exacerbations in patients with COPD.](#) *International Journal of Chronic Obstructive Pulmonary Disease*. 2018 Mar 8; 13: 867-874.
 5. Tseng, HY; Yu, SH; Lee, CY; Huang, WH; Huang, SL; Wu, CS; Chiu, YF; Hsiung, CA. [Sedative-hypnotic drug use among community-dwelling elderly in Taiwan.](#) *International Psychogeriatrics*. 2018 Mar 21; Article in Press.
 6. Chuang, SY; Hsu, PF; Lin, FJ; Huang, YW; Wang, GZ; Chang, WC; Tsai, HJ. [Association between nonsteroidal anti-inflammatory drugs and atrial fibrillation among a middle-aged population: A nationwide population-based cohort.](#) *British Journal of Clinical Pharmacology*. 2018 Mar 20; Article in Press.
 7. Yang, HC; Tsou, HH; Pei, SN; Chang, CS; Chen, JH; Yao, M; Lin, SJ; Lin, J; Yuan, Q; Xia, N; Liu, TW; Chen, PJ; Cheng, AL; Hsu, C; Taiwan Cooperative Oncology Group. [Quantification of HBV core antibodies may help predict HBV reactivation in lymphoma patients with resolved HBV infection.](#) *Journal of Hepatology*. 2018 Mar 15; Article in Press.

8. Wei, CF; Chen, MH; Lin, CC; Guo, YL; Lin, SJ; Hsieh, WS; Chen, PC. [Household incense burning and infant gross motor development: Results from the Taiwan Birth Cohort Study](#). *Environment International*. 2018 Jun; 115: 110-116.

National Institute of Cancer Research

1. Yang, HC; Tsou, HH; Pei, SN; Chang, CS; Chen, JH; Yao, M; Lin, SJ; Lin, J; Yuan, Q; Xia, N; Liu, TW; Chen, PJ; Cheng, AL; Hsu, C; Taiwan Cooperative Oncology Group. [Quantification of HBV core antibodies may help predict HBV reactivation in lymphoma patients with resolved HBV infection](#). *Journal of Hepatology*. 2018 Mar 15; Article in Press.
2. Miura, R; Araki, A; Miyashita, C; Kobayashi, S; Kobayashi, S; Wang, SL; Chen, CH; Miyake, K; Ishizuka, M; Iwasaki, Y; Ito, YM; Kubota, T; Kishi, R. [An epigenome-wide study of cord blood DNA methylations in relation to prenatal perfluoroalkyl substance exposure: The Hokkaido study](#). *Environment International*. 2018 Jun; 115: 21-28.
3. Rathinasamy, B; Velmurugan, BK. [Role of lncRNAs in the cancer development and progression and their regulation by various phytochemicals](#). *Biomedicine and Pharmacotherapy*. 2018 Jun; 102: 242-248.
4. Liu, Z; Coghill, AE; Pfeiffer, RM; Proietti, C; Hsu, WL; Chien, YC; Lekieffre, L; Krause, L; Yu, KJ; Lou, PJ; Wang, CP; Mulvenna, J; Middeldorp, JM; Bethony, J; Chen, CJ; Doolan, DL; Hildesheim, A. [Patterns of inter-individual variability in the antibody repertoire targeting proteins across the Epstein-Barr virus proteome](#). *Journal of Infectious Diseases*. 2018 Mar 2; Article in Press.
5. Tsai, IT; Kuo, CC; Liou, JP; Chang, JY. [Novel microtubule inhibitor MPT0B098 inhibits hypoxia-induced epithelial-to-mesenchymal transition in head and neck squamous cell carcinoma](#). *Journal of Biomedical Science*. 2018

Mar 28; 25: Article number 28.

National Institute of Environmental Health Sciences

1. Lin, FY; Yang, YC; Lin, CL; Lee, LJ. [Increased risk of overactive bladder in patients with idiopathic Parkinson's disease: Insight from a nationwide population-based cohort study.](#) *PLoS ONE*. 2018 Mar 2; 13(3): Article number e0193783.
2. Lee, JH; Jeng, JS; Hwang, JS; Chang, YY; Wang, JD. [Life years lost and lifetime healthcare expenditures of stroke: A 14-year population-based cohort study in Taiwan.](#) *Journal of the Neurological Sciences*. 2017 Oct; 381(Suppl. S): 880.
3. Lee, LJH; Chang, SY; Li, CH; Chang, KC; Lin, MT; Su, JJ; Chao, CC; Hsieh, ST. [Investigating a cluster of Guillain-Barre syndrome in a medical center in Taiwan.](#) *Journal of the Neurological Sciences*. 2017 Oct; 381(Suppl. S): 650.
4. Lin, RT; Lin, CK; Christiani, DC; Kawachi, I; Cheng, Y; Verguet, S; Jong, S. [The impact of the introduction of new recognition criteria for overwork-related cardiovascular and cerebrovascular diseases: A cross-country comparison \[Erratum: Scientific Reports. 2017 Mar; 7: Article number 167.\].](#) *Scientific Reports*. 2018 Mar 12; 8: Article number 4654.
5. You, SH; Wang, SL; Pan, WH; Chan, WC; Fan, AM; Lin, P. [Risk assessment of methylmercury based on internal exposure and fish and seafood consumption estimates in Taiwanese children.](#) *International Journal of Hygiene and Environmental Health*. 2018 Mar 15; Article in Press.
6. Wong, TH; Lee, CL; Su, HH; Lee, CL; Wu, CC; Wang, CC; Sheu, CC; Lai, RS; Leung, SY; Lin, CC; Wei, YF; Wang, CJ; Lin, YC; Chen, HL; Huang, MS; Yen, JH; Huang, SK; Suen, JL. [A prominent air pollutant, Indeno\[1,2,3-cd\]pyrene, enhances allergic lung inflammation via aryl hydrocarbon receptor.](#) *Scientific*

- Reports*. 2018 Mar 26; 8: Article number 5198.
7. Wang, HC; Wong, TH; Wang, LT; Su, HH; Yu, HY; Wu, AH; Lin, YC; Chen, HL; Suen, JL; Hsu, SH; Chen, LC; Zhou, Y; Huang, SK. [Aryl hydrocarbon receptor signaling promotes ORMDL3-dependent generation of sphingosine-1-phosphate by inhibiting sphingosine-1-phosphate lyase](#). *Cellular and Molecular Immunology*. 2018 Mar 23; Article in Press.
 8. Chang, LL; Hsu, WH; Kao, MC; Chou, CC; Lin, CC; Liu, CJ; Weng, BC; Kuo, FC; Kuo, CH; Lin, MH; Wang, CJ; Lin, CH; Wu, DC; Huang, SK. [Stromal C-type lectin receptor COLEC12 integrates H. pylori, PGE2-EP2/4 axis and innate immunity in gastric diseases](#). *Scientific Reports*. 2018 Feb 28; 8: Article number 3821.
 9. Wei, CF; Chen, MH; Lin, CC; Guo, YL; Lin, SJ; Hsieh, WS; Chen, PC. [Household incense burning and infant gross motor development: Results from the Taiwan Birth Cohort Study](#). *Environment International*. 2018 Jun; 115: 110-116.
 10. Miura, R; Araki, A; Miyashita, C; Kobayashi, S; Kobayashi, S; Wang, SL; Chen, CH; Miyake, K; Ishizuka, M; Iwasaki, Y; Ito, YM; Kubota, T; Kishi, R. [An epigenome-wide study of cord blood DNA methylations in relation to prenatal perfluoroalkyl substance exposure: The Hokkaido study](#). *Environment International*. 2018 Jun; 115: 21-28.

National Institute of Infectious Diseases and Vaccinology

1. Hsiao, YP; Shen, CC; Huang, CH; Lin, YC; Jan, TR. [Iron oxide nanoparticles attenuate T helper 17 cell responses in vitro and in vivo](#). *International Immunopharmacology*. 2018 Mar 14; 58: 32-39.

NHRI Graduate Student Program

1. Ajoy, R; Chou, SY. [Studying the hypothalamic insulin signal to peripheral glucose intolerance with a continuous drug infusion system into the mouse brain.](#) *Jove-Journal of Visualized Experiments*. 2018 Jan(131): Article number e56410.
2. Sung, YJ; Tani, J; Lin, CSY. [Sensory axonal dysfunction in the painful diabetic polyneuropathy.](#) *Journal of the Neurological Sciences*. 2017 Oct; 381(Suppl. S): 136.

Center for Neuropsychiatric Research

1. Amare, AT; Schubert, KO; Tekola-Ayele, F; Hsu, YH; Sangkuhl, K; Jenkins, G; Whaley, RM; Barman, P; Batzler, A; Altman, RB; Arolt, V; Brockmüller, J; Chen, CH; Domschke, K; Hall-Flavin, DK; Hong, CJ; Illi, A; Ji, Y; Kampman, O; Kinoshita, T; Leinonen, E; Liou, YJ; Mushirola, T; Nonen, S; Skime, MK; Wang, L; Kato, M; Liu, YL; Praphanphoj, V; Stingl, JC; Bobo, WV; Tsai, SJ; Kubo, M; Klein, TE; Weinshilboum, RM; Biernacka, JM; Baune, BT. [Association of the polygenic scores for personality traits and response to selective serotonin reuptake inhibitors in patients with major depressive disorder.](#) *Frontiers in Psychiatry*. 2018 Mar 6; 9(MAR): Article number 65.