

NHRI Publication _ Mar 2019

Institute of Biomedical Engineering and Nanomedicine

1. He, CK; Chen, YW; Wang, SH; Hsu, CH. [Hydrodynamic shuttling for deterministic high-efficiency multiple single-cell capture in a microfluidic chip](#). *Lab on a Chip*. 2019 Mar 19; Article in Press.
2. Theng, BS; Kuo, YM; Wayne Chang, WS; Wilder-Smith, E; Tsao, CH; Tsai, CH; Chen, LT; Liao, LD. [Preventive hypothermia as a neuroprotective strategy for paclitaxel-induced peripheral neuropathy](#). *Pain*. 2019 Mar 4; Article in Press.
3. Souris, JS; Zhang, HJ; Dougherty, U; Chen, NT; Waller, JV; Lo, LW; Hart, J; Chen, CT; Bissonnette, M. [A novel mouse model of sporadic colon cancer induced by combination of conditional Apc genes and chemical carcinogen in the absence of cre recombinase](#). *Carcinogenesis*. 2019 Mar 12; Article in Press.
4. Hsiao, MY; Lin, AC; Liao, WH; Wang, TG; Hsu, CH; Chen, WS; Lin, FH. [Drug-loaded hyaluronic acid hydrogel as a sustained-release regimen with dual effects in early intervention of tendinopathy](#). *Scientific Reports*. 2019 Mar; 9: Article number 4784.
5. Yang, CC; Wang, WY; Lin, FH; Hou, CH. [Rare-earth-doped calcium carbonate exposed to X-ray irradiation to induce reactive oxygen species for tumor treatment](#). *International Journal of Molecular Sciences*. 2019 Mar 6; 20(5): Article number 1148.
6. Chu, CH; Cheng, SH; Chen, NT; Liao, WN; Lo, LW. [Microwave-synthesized platinum-embedded mesoporous silica nanoparticles as dual-modality contrast agents: Computed tomography and optical imaging](#). *International Journal of Molecular Sciences*. 2019 Mar 28; 20(7): Article number 1560.
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9. Su, CY; Chen, CC; Chen, HY; Lin, CP; Lin, FH; Fang, HW. [Characteristics of an alternative antibacterial biomaterial for mouthwash in the absence of alcohol](#). *Journal of Dental Sciences*. 2019 Mar 22; Article in Press.

Institute of Biotechnology and Pharmaceutical Research

1. Chen, TJ; Wang, HJ; Liu, JS; Cheng, HH; Hsu, SC; Wu, MC; Lu, CH; Wu, YF; Wu, JW; Liu, YY; Kung, HJ; Wang, WC. [Mutations in the PKM2 exon-10 region are associated with reduced allostery and increased nuclear translocation](#). *Communications Biology*. 2019 Mar 15; 2: Article number 105.
2. Rosenberg, EM, Jr.; Harrison, RES; Tsou, LK; Drucker, N; Humphries, B; Rajasekaran, D; Luker, KE; Wu, CH; Song, JS; Wang, CJ; Murphy, JW; Cheng, YC; Shia, KS; Luker, GD; Morikis, D; Lolis, EJ. [Characterization, dynamics, and mechanism of CXCR4 antagonists on a constitutively active mutant](#). *Cell Chemical Biology*. 2019 Feb 28; Article in Press.
3. Huang, HC; Chien, SC; Kuo, CC; Wu, MD; Cheng, MJ; Chen, JJ; Chiu, HL; Kuo, YH. [Two new diprenylated flavanones from *Derris laxiflora* Benth](#). *Natural Product Research*. 2019 Mar 11; Article in Press.

Institute of Cellular and Systems Medicine

1. Chen, SY; Lin, MC; Tsai, JS; He, PL; Luo, WT; Herschman, H; Li, HJ. [EP4 antagonist-elicited extracellular vesicles from mesenchymal stem cells rescue cognition/learning deficiencies by restoring brain cellular functions](#). *Stem Cells Translational Medicine*. 2019 Mar 19; Article in Press.
2. Lai, JH; Ling, XC; Ho, LJ. [Useful message in choosing optimal biological agents for patients with autoimmune arthritis](#). *Biochemical Pharmacology*. 2019 Mar 13; Article in Press.
3. Yeh, CC; Shih, LJ; Chang, JL; Tsuei, YW; Wu, CC; Hsiao, CW; Chuu, CP; Kao, YH. [Synchronous vascular endothelial growth factor protein profiles in both tissue and serum identify metastasis and poor survival in colorectal cancer](#). *Scientific Reports*. 2019 Mar 12;

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 5. Hsing, EW; Shiah, SG; Peng, HY; Chen, YW; Chuu, CP; Hsiao, JR; Lyu, PC; Chang, JY. [TNF-alpha-induced miR-450a mediates TMEM182 expression to promote oral squamous cell carcinoma motility](#). *PLoS ONE*. 2019 Mar 20; 14(3):Article number e0213463.
 6. Ho, CC; Tsai, MH; Chen, YC; Kuo, CC; Lin, P. [Persistent elevation of blood pressure by ambient coarse particulate matter after recovery from pulmonary inflammation in mice](#). *Environmental Toxicology*. 2019 Mar 27; Article in Press.

Institute of Molecular and Genomic Medicine

1. Chen, TJ; Wang, HJ; Liu, JS; Cheng, HH; Hsu, SC; Wu, MC; Lu, CH; Wu, YF; Wu, JW; Liu, YY; Kung, HJ; Wang, WC. [Mutations in the PKM2 exon-10 region are associated with reduced allostery and increased nuclear translocation](#). *Communications Biology*. 2019 Mar 15; 2: Article number 105.
2. Weng, YS; Tseng, HY; Chen, YA; Shen, PC; Al Haq, AT; Chen, LM; Tung, YC; Hsu, HL. [MCT-1/miR-34a/IL-6/IL-6R signaling axis promotes EMT progression, cancer stemness and M2 macrophage polarization in triple-negative breast cancer](#). *Molecular Cancer*. 2019 Mar 18; 18:Article number 42.
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Institute of Population Health Sciences

1. Liao, HW; Wu, YL; Sue, YM; Lee, M; Ovbiagele, B. [Sodium-glucose cotransporter 2 inhibitor plus pioglitazone vs pioglitazone alone in patients with diabetes mellitus: A systematic review and meta-analysis of randomized controlled trials](#). *Endocrinology, Diabetes and Metabolism*. 2019 Jan; 2(1): Article number e00050.
2. Lee, TY; Hsu, YC; Tseng, HC; Yu, SH; Lin, JT; Wu, MS; Wu, CY. [Association of daily](#)

- [aspirin therapy with risk of hepatocellular carcinoma in patients with chronic hepatitis B.](#) *JAMA Internal Medicine.* 2019 Mar 18; Article in Press.
3. Chen, FC; Lee, PS. [Inter partes review: Patent killer no more?](#) *Trends in Biotechnology.* 2019 Mar 16.
 4. Wei, CF; Chen, MH; Lin, CC; Guo, YL; Lin, SJ; Liao, HF; Hsieh, WS; Chen, PC. [Association between maternal shift work and infant neurodevelopmental outcomes: Results from the Taiwan Birth Cohort Study with propensity-score-matching analysis.](#) *International Journal of Epidemiology.* 2019 Mar 29; Article in Press.
 5. Wei, CC; Kung, YJ; Chen, CS; Chang, CY; Lin, CJ; Tien, PT; Chang, HY; Chen, HJ; Huang, YS; Lin, HJ; Wan, L. [Allergic conjunctivitis-induced retinal inflammation promotes myopia progression \[Erratum: EBioMedicine. 2018 Feb;28: 274-286.\]](#). *EBioMedicine.* 2019 Mar; 41:717-718.
 6. Lin, PY; Chu, CH; Chang, FY; Huang, YW; Tsai, HJ; Yao, TC. [Trends and prescription patterns of traditional Chinese medicine use among subjects with allergic diseases: A nationwide population-based study.](#) *World Allergy Organization Journal.* 2019 Jan 26; 12(2): Article number 100001.
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 9. Fang, SC; Wu, YL; Chen, SC; Teng, HW; Tsai, PS. [Subjective sleep quality as a mediator in the relationship between pain severity and sustained attention performance in patients with fibromyalgia.](#) *Journal of Sleep Research.* 2019 Mar 28; Article in Press.
 10. Lin, YT; Wu, PH; Lee, HH; Mubanga, M; Chen, CS; Kuo, MC; Chiu, YW; Kuo, PL; Hwang, SJ. [Indole-3 acetic acid increased risk of impaired cognitive function in patients receiving hemodialysis.](#) *Neurotoxicology.* 2019 Jul; 73:85-91.
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10. Hsing, EW; Shiah, SG; Peng, HY; Chen, YW; Chuu, CP; Hsiao, JR; Lyu, PC; Chang, JY. [TNF-alpha-induced miR-450a mediates TMEM182 expression to promote oral squamous cell carcinoma motility.](#) *PLoS ONE*. 2019 Mar 20; 14(3):Article number e0213463.
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5. Huang, HB; Kuo, PH; Su, PH; Sun, CW; Chen, WJ; Wang, SL. [Prenatal and childhood exposure to phthalate diesters and neurobehavioral development in a 15-year follow-up birth cohort study.](#) *Environmental Research*. 2019 May; 172:569-577.
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National Institute of Infectious Diseases and Vaccinology

1. Du, S; Liu, Y; Liu, J; Zhao, J; Champagne, C; Tong, L; Zhang, R; Zhang, F; Qin, CF; Ma, P; Chen, CH; Liang, G; Liu, Q; Shi, PY; Cazelles, B; Wang, P; Tian, H; Cheng, G. [Aedes mosquitoes acquire and transmit Zika virus by breeding in contaminated aquatic environments.](#) *Nature Communications*. 2019 Mar 22; 10:Article number 1324.
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National Mosquito-Borne Diseases Control Research Center

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Immunology Research Center

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