

NHRI Publication _MAY 2021

Institute of Biomedical Engineering and Nanomedicine

1. Su, CY; Huang, GC; Chang, YC; Chen, YJ; Fang, HW. [Analyzing the expression of biomarkers in prostate cancer cell lines](#). *In Vivo*. 2021 May; 35(3): 1545-1548.
2. Chou, YH; Liao, CH; Tseng, CW; Lin, CH; Yang, CY; Yu, SY; Lin, CH; Chou, CC; Yang, YP; Lin, YR. [Using uniform stickers on instant messaging apps shortens the time to feedback on prehospital ECGs](#). *Resuscitation*. 2021 Jun; 163: 99-100.

Institute of Biotechnology and Pharmaceutical Research

1. Liao, MF; Yeh, SR; Lu, KT; Hsu, JL; Chao, PK; Hsu, HC; Peng, CH; Lee, YL; Hung, YH; Ro, LS. [Interactions between autophagy, proinflammatory cytokines, and apoptosis in neuropathic pain: Granulocyte colony stimulating factor as a multipotent therapy in rats with chronic constriction injury](#). *Biomedicines*. 2021 May; 9(5): Article number 542.
2. Yeh, KC; Yeh, TK; Huang, CY; Hu, CB; Wang, MH; Huang, YW; Chou, LH; Ho, HH; Song, JS; Hsu, T; Jiaang, WT; Chao, YS; Chen, CT. [DBPR108, a novel dipeptidyl peptidase-4 inhibitor with antihyperglycemic activity](#). *Life Sciences*. 2021 Aug 1; 278: Article number 119574.
3. Chi, YH; Yeh, TK; Ke, YY; Lin, WH; Tsai, CH; Wang, WP; Chen, YT; Su, YC; Wang, PC; Chen, YF; Wu, ZW; Yeh, JY; Hung, MC; Wu, MH; Wang, JY; Chen, CP; Song, JS; Shih, C; Chen, CT; Chang, CP. [Discovery and synthesis of a pyrimidine-based aurora kinase inhibitor to reduce levels of MYC oncoproteins](#). *Journal of Medicinal Chemistry*. 2021 May 19; Article in Press.
4. Huang, JM; Wang, SY; Lai, MR; Tseng, YK; Chi, YH; Huang, LM. [Development of a respiratory syncytial virus vaccine using human hepatitis B core-based virus-like particles to induce mucosal immunity](#). *Vaccine*. 2021 Jun 2; 39(24): 3259-3269.

Institute of Cellular and Systems Medicine

1. Wang, WL; Chen, LJ; Wei, SY; Shih, YT; Huang, YH; Lee, PL; Lee, CI; Wang, MC; Lee, DY; Chien, S; Chiu, JJ. [Mechanoresponsive smad5 enhances MiR-487a processing to promote vascular endothelial proliferation in response to disturbed flow](#). *Frontiers in Cell and Developmental Biology*. 2021 Apr 20; 9: Article number 647714.

Institute of Molecular and Genomic Medicine

1. Lei, CS; Kung, HJ; Shih, JW. [Long non-coding rnas as functional codes for oral cancer: Translational potential, progress and promises](#). *International Journal of Molecular Sciences*. 2021 May 5; 22(9): Article number 4903.
2. Hsu, CL; Ou, DL; Bai, LY; Chen, CW; Lin, L; Huang, SF; Cheng, AL; Jeng, YM; Hsu, C. [Exploring markers of exhausted CD8 T cells to predict response to immune checkpoint inhibitor therapy for hepatocellular carcinoma](#). *Liver Cancer*. 2021 May 12; Article in Press.
3. Lan, YT; Chang, SC; Lin, PC; Lin, CC; Lin, HH; Huang, SC; Lin, CH; Liang, WY; Chen, WS; Jiang, JK; Yang, SH; Lin, JK. [Clinicopathological and molecular features between synchronous and metachronous metastases in colorectal cancer](#). *American Journal of Cancer Research*. 2021 Apr 15; 11(4): 1646-1658.

Institute of Population Health Sciences

1. Chen, CH; Wu, MS; Yang, YW; Liu, YT; Chiu, YF; Hsu, CC; Chuang, SC; Chung, TC; Tsai, TL; Huang, WH. [Longitudinal changes in physical and mental health of older adults with chronic hepatitis B infection: Trajectories and predictors](#). *Preventive Medicine Reports*. 2021 Sep; 23: Article number 101432.
2. Chen, WY; Lin, CW; Lee, J; Chen, PS; Tsai, HJ; Wang, JY. [Decreasing ten-year \(2008-2018\) trends of the prevalence of childhood asthma and air pollution in Southern Taiwan](#). *World Allergy Organization Journal*. 2021 May; 14(5): Article number 100538.
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 8. Chang, LY; Chang, YH; Wu, CC; Chang, JJ; Yen, LL; Chang, HY. [Resilience buffers the effects of sleep problems on the trajectory of suicidal ideation from adolescence through young adulthood](#). Social Science and Medicine. 2021 Jun; 279: Article number 114020.
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 10. Lin, HL; Lin, MY; Tsai, CH; Wang, YH; Chen, CJ; Hwang, SJ; Yen, MH; Chiu, YW. [Harmonizing formula prescription patterns in patients with chronic kidney disease: A population-based cross-sectional study](#). Frontiers in Pharmacology. 2021 Apr 29; 12: Article number 573145.

National Institute of Cancer Research

1. Lin, SM; Ku, HY; Hsu, CY; Wang, CL; Chang, GC; Chang, CS; Liu, TW. [Long-term survival effect of the interval between postoperative chemotherapy and radiotherapy in](#)

- [patients with completely resected pathological n2 non-small-cell lung cancer](#). *Cancers*. 2021 May 20; 13(10): Article number 2494.
2. Lin, MC; Leu, YS; Chiang, CJ; Ko, JY; Wang, CP; Yang, TL; Chen, TC; Chen, CN; Chen, HL; Liao, CT; Tsai, ST; Lin, JC; Chu, PY; Tsai, KY; Tsai, MH; Huang, HC; Yang, MH; Wu, YH; Terng, SD; Chien, CY; Liu, TW; Lee, WC; Lou, PJ. [Adequate surgical margins for oral cancer: A Taiwan cancer registry national database analysis](#). *Oral Oncology*. 2021 May 26; 119: Article number 105358.
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[human papillomavirus type 16 E7 antibodies and risk of head and neck cancer](#). *Cancer Medicine*. 2021 May 4; Article in Press.

National Institute of Environmental Health Sciences

1. Ho, CC; Chen, YC; Tsai, MH; Tsai, HT; Weng, CY; Yet, SF; Lin, P. [Ambient particulate matter induces vascular smooth muscle cell phenotypic changes via nox1/ros/nf-kappab dependent and independent pathways: Protective effects of polyphenols](#). *Antioxidants*. 2021 May 14; 10(5): Article number 782.
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5. Chang, WH; Chou, WC; Waits, A; Liao, KW; Kuo, PL; Huang, PC. [Cumulative risk assessment of phthalates exposure for recurrent pregnancy loss in reproductive-aged women population using multiple hazard indices approaches](#). *Environment International*. 2021 Sep; 154: Article number 106657.
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National Institute of Infectious Diseases and Vaccinology

1. Wang, LT; Liu, KJ; Sytwu, HK; Yen, ML; Yen, BL. [Advances in mesenchymal stem cell therapy for immune and inflammatory diseases: Use of cell-free products and human pluripotent stem cell-derived mesenchymal stem cells](#). *Stem Cells Translational Medicine*. 2021 May 19; Article in Press.
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Immunology Research Center

1. Shen, CH; Chou, CC; Lai, TY; Hsu, JE; Lin, YS; Liu, HY; Chen, YK; Ho, IL; Hsu, PH; Chuang, TH; Lee, CY; Hsu, LC. [ZNR1 mediates epidermal growth factor receptor ubiquitination to control receptor lysosomal trafficking and degradation](#). Frontiers in Cell and Developmental Biology. 2021 Apr 29; 9: Article number 642625.

National Mosquito-Borne Diseases Control Research Center

1. Hung, SJ; Huang, SW. [Contributions of genetic evolution to Zika virus emergence](#). Frontiers in Microbiology. 2021 May 06; Article in Press.

Center for Neuropsychiatric Research

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Graduate Student Program

1. Lee, CW; Fang, YP; Chu, MC; Chung, YJ; Chi, H; Tang, CW; So, EC; Lin, HC; Lin, HC. [Differential mechanisms of synaptic plasticity for susceptibility and resilience to chronic social defeat stress in male mice](#). Biochemical and Biophysical Research Communications. 2021 Jul 12; 562: 112-118.