

NHRI Publication_Feb 2022

Center for Neuropsychiatric Research

1. Chen, CH; Lee, YL; Wu, MH; Chen, PJ; Wei, TS; Tseng, CI; Chen, WJ. [Prenatal antioxidant-enriched and pro-oxidant-contained food, IL4 and IL13 pathway genes, and cord blood IgE](#). Scientific Reports. 2022 Feb 21; 12: Article number 2884.
2. Lee, CY; Wu, MY; Chan, HC; Chen, TT; Hsu, LY; Wu, MS; Cherng, YG. [The influence of diabetes mellitus on the risks of end-stage kidney disease and mortality after liver transplantation](#). Transplant International. 2022 Feb 07; 36: Article number 10023.
3. Su, MH; Shih, YH; Lin, YF; Chen, PC; Chen, CY; Hsiao, PC; Pan, YJ; Liu, YL; Tsai, SJ; Kuo, PH; Wu, CS; Huang, YT; Wang, SH. [Familial aggregation and shared genetic loading for major psychiatric disorders and type 2 diabetes](#). Diabetologia. 2022 Feb 23; Article in Press.

Immunology Research Center

1. Yang, JX; Tseng, JC; Yu, GY; Luo, Y; Huang, CF; Hong, YR; Chuang, TH. [Recent advances in the development of toll-like receptor agonist-based vaccine adjuvants for infectious diseases](#). Pharmaceutics. 2022 Feb 16; 14(2): Article number 423.

Institute of Biomedical Engineering and Nanomedicine

1. Altunkaya, S; Huang, SM; Hsu, YH; Yang, JJ; Lin, CY; Kuo, LW; Tu, MC. [Dissociable functional brain networks associated with apathy in subcortical ischemic vascular disease and Alzheimer's disease](#). Frontiers in Aging Neuroscience. 2022 Feb 03; 13: Article number 717037.
2. Ke, YC; Chen, TC; Tang, RC; Lin, JN; Lin, FH. [Development of resveratrol with thiolated alginate as a supplement to prevent nonalcoholic fatty liver disease \(NAFLD\)](#). APL Bioengineering. 2022 Feb 08; 6(1): Article number 01610.

3. Rodoplu, D; Matahum, JS; Hsu, CH. [A microfluidic hanging drop-based spheroid co-culture platform for probing tumor angiogenesis](#). Lab on a Chip. 2022 Feb 22; Article in Press.
4. Tew, LS; Lee, TH; Lo, LW; Khung, YL; Chen, NT. [Aptamerized silica/gold nanocapsules for stimulated release of doxorubicin through remote two-photon excitation](#). International Journal of Smart and Nano Materials. 2022 Feb 10; Article in Press.
5. Tsao, YC; Cheng, FJ; Li, YH; Liao, LD. [An IoT-based smart system with an MQTT broker for individual patient vital sign monitoring in potential emergency or prehospital applications](#). Emergency Medicine International. 2022 Jan 29; 2022: Article number 7245650.

Institute of Biotechnology and Pharmaceutical Research

1. Yang, CW; Lee, YZ; Hsu, HY; Zhao, GH; Lee, SJ. [Tyrphostin AG1024 suppresses coronaviral replication by downregulating JAK1 via an IR/IGF-1R independent proteolysis mediated by Ndfip1/2_NEDD4-like E3 ligase itch](#). Pharmaceuticals. 2022 Feb 17; 15(2): Article number 241.

Institute of Cellular and Systems Medicine

1. Chang, TC; Lee, HT; Pan, SC; Cho, SH; Cheng, CH; Ou, LH; Lin, CI; Lin, CS; Wei, YH. [Metabolic reprogramming in response to alterations of mitochondrial DNA and mitochondrial dysfunction in gastric adenocarcinoma](#). International Journal of Molecular Sciences. 2022 Feb 06; 23(3): Article number 1857.
2. Fu, YK; Wang, BJ; Tseng, JC; Huang, SH; Lin, CY; Kuo, YY; Hour, TC; Chuu, CP. [Combination treatment of docetaxel with caffeic acid phenethyl ester suppresses the survival and the proliferation of docetaxel-resistant prostate cancer cells via induction of apoptosis and metabolism interference](#). Journal of Biomedical Science. 2022 Feb 23; 29: Article number 16.
3. Hsiao, PJ; Wu, KL; Chen, YC; Chen, YL; Wang, RL; Wu, KA; Chan, JS; Chiu, CC; Huang, LY; Shyu, HY; Kao, YH; Chuu, CP. [The role of anti-platelet factor 4 antibodies and platelet activation tests in patients with vaccine-induced immune thrombotic thrombocytopenia: Brief](#)

[report a comparison of the laboratory diagnosis and literature review](#). Clinica Chimica Acta. 2022 Apr 1; 529: 42-45.

4. Hsu, SH; Xu, JP; Lin, SH; Wu, SD; Cheng, QP; Wong, CW. [Creative transformation of biomedical polyurethanes: From biostable tubing to biodegradable smart materials](#). Journal of Polymer Research. 2022 Feb; 29(2): Article number 70.

Institute of Molecular and Genomic Medicine

1. Tseeleesuren, D; Hsiao, HH; Kant, R; Huang, YC; Tu, HP; Lai, CC; Huang, SF; Yen, CH. [The expression and prognostic value of cancer stem cell markers, NRF2, and its target genes in TAE/TACE-treated hepatocellular carcinoma](#). Medicina. 2022 Feb 01; 58(2): Article number 212.

Institute of Population Health Sciences

1. Sung, FC; Yeh, YT; Muo, CH; Hsu, CC; Tsai, WC; Hsu, YH. [Statins reduce hepatocellular carcinoma risk in patients with chronic kidney disease and end-stage renal disease: A 17-year longitudinal study](#). Cancers. 2022 Feb 6; 14(3): Article number 825.
2. Wang, H; Kurniansyah, N; Cade, BE; Goodman, MO; Chen, H; Gottlieb, DJ; Gharib, SA; Purcell, SM; Lin, X; Saxena, R; Zhu, X; Durda, P; Tracy, R; Liu, Y; Taylor, KD; Johnson, WC; Gabriel, S; Smith, JD; Aguet, F; Ardlie, K; et al. [Upregulated heme biosynthesis increases obstructive sleep apnea severity: A pathway-based Mendelian randomization study](#). Scientific Reports. 2022 Jan 27; 12: Article number 1472.
3. Lee, M; Cheng, CY; Wu, YL; Lee, JD; Hsu, CY; Ovbiagele, B. [Association between Intensity of low-density lipoprotein cholesterol reduction with statin-based therapies and secondary stroke prevention: A meta-analysis of randomized clinical trials](#). JAMA Neurology. 2022 Feb 21; Article in Press.

National Center for Geriatrics and Welfare Research

1. Wang, C; Wang, F; Lee, Y; Chen, P; Wang, B; Su, C; Kuo, C; Wu, C; Chien, Y; Dai, H; Tseng, VS; Hsu, W. [Principle-based approach for the de-identification of code-mixed electronic health records](#). IEEE Access. 2022 Feb; Article in Press.

National Institute of Cancer Research

1. Adak, AK; Huang, KT; Liao, CY; Lee, YJ; Kuo, WH; Huo, YR; Li, PJ; Chen, YJ; Chen, BS; Chen, YJ; Chu Hwang, K; Wayne Chang, WS; Lin, CC. [Investigating a boronate-affinity-guided acylation reaction for labelling native antibodies](#). Chemistry - A European Journal. 2022 Feb 10; Article in Press.
2. Chan, TC; Hsing, CH; Shiue, YL; Huang, SK; Hsieh, KL; Kuo, YH; Li, CF. [Angiogenesis driven by the CEBPD – hsa-miR-429 – VEGFA signaling axis promotes urothelial carcinoma progression](#). Cells. 2022 Feb 11; 11(4): Article number 638.
3. Chen, PC; Yeh, YM; Lin, BW; Chan, RH; Su, PF; Liu, YC; Lee, CT; Chen, SH; Lin, PC. [A prediction model for tumor recurrence in stage II – III colorectal cancer patients: From a machine learning model to genomic profiling](#). Biomedicines. 2022 Feb 1; 10(2): Article number 340.
4. Chiu, TJ; Yang, SH; Chiu, SC; Hsueh, SW; Chiang, NJ; Li, CP; Bai, LY; Cheng, FM; Chuang, SC; Shan, YS; Chan, DC; Chen, LT; Yen, CJ; Peng, CM; Su, YY; Chen, YY; Chen, JS; Chou, WC. [Effect of previous conventional irinotecan treatment in patients with pancreatic cancer being treated with liposomal irinotecan plus 5-fluorouracil and leucovorin](#). Journal of Hepato-Biliary-Pancreatic Sciences. 2022 Feb 19; Article in Press.
5. Kuo, SH; Yeh, KH; Lin, CW; Liou, JM; Wu, MS; Chen, LT; Cheng, AL. [Current status of the spectrum and therapeutics of helicobacter pylori-negative mucosa-associated lymphoid tissue lymphoma](#). Cancers. 2022 Feb 16; 14(4): Article number 1005.
6. Lee, HA; Chen, KW; Hsu, CY. [Prediction model for pancreatic cancer—A population-based study from NHIRD](#). Cancers. 2022 Feb 10; 14(4): Article number 882.

National Institute of Environmental Health Sciences

1. Chen, YC; Wu, HC; Kuo, FT; Koh, D; Guo, YLL; Shiao, JSC. [Hospital factors that predict intention of health care workers to leave their job during the COVID-19 pandemic](#). Journal of Nursing Scholarship. 2022 Feb 20; Article in Press.
2. Cheng, PK; Chen, HC; Kuo, PL; Chang, JW; Chang, WT; Huang, PC. [Associations between oxidative/nitrosative stress and thyroid hormones in pregnant women—Tainan Birth Cohort Study \(TBCS\)](#). Antioxidants. 2022 Feb 9; 11(2): Article number 234.
3. Ku, HH; Lin, P; Ling, MP. [Assessment of potential human health risks in aquatic products based on the heavy metal hazard decision tree](#). BMC Bioinformatics. 2022 Feb 17; 22(Suppl. 5): Article number 620.
4. Tsai, SS; Chiu, YW; Weng, YH; Yang, CY. [Association between fine particulate air pollution and the risk of death from lung cancer in Taiwan](#). Journal of Toxicology and Environmental Health. Part A. 2022 Feb 25; Article in Press.

National Institute of Infectious Diseases and Vaccinology

1. Huang, SH; Kuo, SL; Chen, SJ; Lin, JR; Chen, YW; Hong, ZJ; Sytwu, HK; Lin, GJ. [Alpha-lipoic acid inhibits spontaneous diabetes and autoimmune recurrence in non-obese diabetic mice by enhancing differentiation of regulatory T cells and showed potential for use in cell therapies for the treatment of type 1 diabetes](#). International Journal of Molecular Sciences. 2022 Jan 21; 23(3): Article number 1169.

National Mosquito-Borne Diseases Control Research Center

1. Cheng, YW; Chuang, YC; Huang, SW; Liu, CC; Wang, JR. [An auto-antibody identified from phenotypic directed screening platform shows host immunity against EV-A71 infection](#). Journal of Biomedical Science. 2022 Feb 08; 29: Article number 100117.
2. Hung, SJ; Tsai, HP; Wang, YF; Ko, WC; Wang, JR; Huang, SW. [Assessment of the risk of severe dengue using intrahost viral population in dengue virus serotype 2 patients via machine learning](#). Frontiers in Cellular and Infection Microbiology. 2022 Feb 10; 12: Article number 831281.

3. Huang, YL; Huang, SW; Shen, CY; Cheng, D; Wang, JR. [Conserved residues adjacent to beta-barrel and loop intersection among enterovirus VP1 affect viral replication: Potential target for anti-enteroviral development](#). *Viruses*. 2022 Feb 10; 14(2): Article number 364.