

## NHRI Publication\_Jun 2022

### Center for Neuropsychiatric Research

1. Tung, H; Lin, WH; Hsieh, PYF; Lan, TH; Chiang, MC; Lin, YY; Peng, SJ. [Left frontotemporal region plays a key role in letter fluency task-evoked activation and functional connectivity in normal subjects: A functional near-infrared spectroscopy study](#). *Frontiers in Psychiatry*. 2022 May 20; 13: Article number 810685.
2. Ge, T; Irvin, MR; Patki, A; Srinivasasainagendra, V; Lin, YF; Tiwari, HK; Armstrong, ND; Benoit, B; Chen, CY; Choi, KW; Cimino, JJ; Davis, BH; Dikilitas, O; et al. [Development and validation of a trans-ancestry polygenic risk score for type 2 diabetes in diverse populations](#). *Genome Medicine*. 2022 Jun 29; 14: Article number 70.
3. Huang, CH; Chang, MC; Lai, YC; Lin, CY; Hsu, CH; Tseng, BY; Hsiao, CK; Lu, TP; Yu, SL; Hsieh, ST; Chen, WJ. [Mitochondrial DNA methylation profiling of the human prefrontal cortex and nucleus accumbens: Correlations with aging and drug use](#). *Clinical Epigenetics*. 2022 Jun 25; 14: Article number 79.
4. Pain, O; Hodgson, K; Trubetskoy, V; Ripke, S; Marshe, VS; Adams, MJ; Byrne, EM; Campos, AI; Carrillo-Roa, T; Cattaneo, A; Als, TD; Souery, D; et al. [Identifying the common genetic basis of antidepressant response](#). *Biological Psychiatry Global Open Science*. 2022 Apr; 2(2): 115-126.
5. Lin, SY; Tien, YW; Ke, YY; Chang, YC; Chang, HF; Ou, LC; Law, PY; Xi, JH; Tao, PL; Loh, HH; Chao, YS; Shih, C; Chen, CT; Yeh, SH; Ueng, SH. [Selective and antagonist-dependent  \$\mu\$ -opioid receptor activation by the combination of 2-\[2-\(6-chloro-3,4-dihydro-1\(2H\)-quinolinyl\)-2-oxoethyl\]sulfanyl\]-5-phenyl-4,6-\(1H,5H\)-pyrimidinedione and naloxone/naltrexone](#). *Bioorganic Chemistry*. 2022 Jun 2; Article in Press.

## Immunology Research Center

1. Chou, HC; Cheng, CM; Yang, CH; Lin, TY; Liu, YW; Tan, TH; Chen, YR. [DUSP3 regulates phosphorylation-mediated degradation of occludin and is required for maintaining epithelial tight junction](#). Journal of Biomedical Science. 2022 Jun 15; 29: Article number 40.

## Institute of Biomedical Engineering and Nanomedicine

1. Huang, JJ; Lin, CH; Tanaka, Y; Yamamoto, A; Luo, SC; Tanaka, M. [Manipulation of surface hydration states by tuning the oligo\(ethylene glycol\) moieties on PEDOT to achieve platelet-resistant bioelectrode applications](#). Advanced Materials Interfaces. 2022 Jun 23; Article in Press.
2. Lin, CH; Luo, SC. [Zwitterionic conducting polymers: From molecular design, surface modification, and interfacial phenomenon to biomedical applications](#). Langmuir. 2022 Jun 8; 38(24): 7383-7399.
3. Hong, W; Chen, IC; Su, CY; Perng, CK; Ma, H; Fang, HW. [Evaluating pull-out strength of barbed suture In vitro by using porcine tissue and polydimethylsiloxane \(PDMS\)](#). Polymers. 2022 May 27; 14(11): Article number 2170.
4. Lien, WC; Zhou, XR; Liang, YJ; Ching, CTS; Wang, CY; Lu, FI; Chang, HC; Lin, FH; Wang, HMD. [Therapeutic potential of nanoceria pretreatment in preventing the development of urological chronic pelvic pain syndrome: Immunomodulation via reactive oxygen species scavenging and SerpinB2 downregulation](#). Bioengineering and Translational Medicine. 2022 Jun 07; Article in Press.
5. Filonets, T; Solovchuk, M. [GPU-accelerated study of the inertial cavitation threshold in viscoelastic soft tissue using a dual-frequency driving signal](#). Ultrasonics Sonochemistry. 2022 Aug; 88: Article number 106056.
6. Chien, JH; Hung, IT; Goh, JOS; Kuo, LW; Chang, WW. [Personal socio-cultural preferences modulate neural correlates of decisions to socialize with powerful persons](#). Human Brain Mapping. 2022 Jun 04; Article in Press.
7. Chuang, YC; Lee, HL; Chiou, JF; Lo, LW. [Recent advances in gold nanomaterials for photothermal therapy](#). Journal of Nanotheranostics. 2022 Jun 1; 3(2): 117-131.

## Institute of Biotechnology and Pharmaceutical Research

1. Lo, CF; Chiu, TY; Liu, YT; Huang, LR; Yeh, TK; Huang, KH; Liu, KL; Hsu, CY; Fang, MY; Huang, YC; Hsu, TA; Chen, CT; Tsou, LK. [Synthesis and evaluation of small molecule drug conjugates harnessing thioester-linked maytansinoids](#). *Pharmaceutics*. 2022 Jun 21; 14(7): Article number 1316.
2. Lin, SY; Tien, YW; Ke, YY; Chang, YC; Chang, HF; Ou, LC; Law, PY; Xi, JH; Tao, PL; Loh, HH; Chao, YS; Shih, C; Chen, CT; Yeh, SH; Ueng, SH. [Selective and antagonist-dependent  \$\mu\$ -opioid receptor activation by the combination of 2-\[2-\(6-chloro-3,4-dihydro-1\(2H\)-quinolinyl\)-2-oxoethyl\]sulfanyl\]-5-phenyl-4,6-\(1H,5H\)-pyrimidinedione and naloxone/naltrexone](#). *Bioorganic Chemistry*. 2022 Jun 2; Article in Press.

## Institute of Cellular and Systems Medicine

1. Chung, YF; Chen, JH; Li, CW; Hsu, HY; Chen, YP; Wang, CC; Chiu, IM. [Human IL12p80 promotes murine oligodendrocyte differentiation to repair nerve injury](#). *International Journal of Molecular Sciences*. 2022 Jun 23; 23(13): Article number 7002.
2. Xu, JP; Tai, CH; Chen, TY; Hsu, SH. [An anti-inflammatory electroconductive hydrogel with self-healing property for the treatment of Parkinson's disease](#). *Chemical Engineering Journal*. 2022 Oct 15; 446(Part 3): Article number 137180.
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4. Ho, CC; Wu, WT; Lin, YJ; Weng, CY; Tsai, MH; Tsai, HT; Chen, YC; Yet, SF; Lin, P. [Aryl hydrocarbon receptor activation-mediated vascular toxicity of ambient fine particulate matter: Contribution of polycyclic aromatic hydrocarbons and osteopontin as a biomarker](#). *Particle and Fibre Toxicology*. 2022 Jun 23; 19: Article number 43.

## Institute of Molecular and Genomic Medicine

1. Huang, YS; Wu, CC; Chang, CC; Huang, SF; Kuo, HY; Shih, HM. [Reciprocal regulation of Daxx and PIK3CA promotes colorectal cancer cell growth](#). Cellular and Molecular Life Sciences. 2022 Jul; 79(7): Article number 367.
2. Cheng, YH; Ko, YC; Ku, HJ; Huang, CC; Yao, YC; Liao, YT; Chen, YT; Huang, SF; Huang, LR. [Novel paired cell lines for the study of lipid metabolism and cancer stemness of hepatocellular carcinoma](#). Frontiers in Cell and Developmental Biology. 2022 May 26; 10: Article number 821224.
3. Chou, HC; Cheng, CM; Yang, CH; Lin, TY; Liu, YW; Tan, TH; Chen, YR. [DUSP3 regulates phosphorylation-mediated degradation of occludin and is required for maintaining epithelial tight junction](#). Journal of Biomedical Science. 2022 Jun 15; 29: Article number 40.
4. Lo, CF; Chiu, TY; Liu, YT; Huang, LR; Yeh, TK; Huang, KH; Liu, KL; Hsu, CY; Fang, MY; Huang, YC; Hsu, TA; Chen, CT; Tsou, LK. [Synthesis and evaluation of small molecule drug conjugates harnessing thioester-linked maytansinoids](#). Pharmaceutics. 2022 Jun 21; 14(7): Article number 1316.
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## Institute of Population Health Sciences

1. Tseng, KY; Liao, YC; Chen, FC; Chen, FJ; Lo, HJ. [A predominant genotype of azole-resistant Candida tropicalis clinical strains](#). Lancet Microbe. 2022 Jun 22; Article in Press.
2. Lin, YH; Chen, MH; Chang, YC; Chen, L; Hsiung, CA; Wu, SI. [Prevalence of exposure to benzodiazepines among pregnant women in Taiwan: A nationwide longitudinal study](#). Journal of Sleep Research. 2022 Jul 1; Article in Press.
3. Tsai, SJ; Hsiao, YH; Liao, MY; Lee, MC. [The influence of depressive mood on mortality in elderly with different health status: Evidence from the Taiwan longitudinal study on aging](#)

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4. Chen, IM; Chen, YY; Liao, SC; Lin, YH. [Development of digital biomarkers of mental illness via mobile apps for personalized treatment and diagnosis](#). Journal of Personalized Medicine. 2022 Jun 6; 12(6): Article number 936.
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  7. Chen, CH; Tsai, MK; Lee, JH; Wen, C; Wen, CP. [Association of sugar-sweetened beverages and cardiovascular diseases mortality in a large young cohort of nearly 300,000 adults \(Age 20-39\)](#). Nutrients. 2022 Jun 29; 14(13): Article number 2720.
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  10. Chiang, KM; Xiu, LL; Peng, CY; Lung, SCC; Chen, YC; Pan, WH. [Particulate matters, aldehydes, and polycyclic aromatic hydrocarbons produced from deep-frying emissions: Comparisons of three cooking oils with distinct fatty acid profiles](#). npj Science of Food. 2022 Jun 03; 6: Article number 282.
  11. Su, YY; Liu, YS; Hsiao, CF; Hsu, C; Chen, LT. [Trial Designs for integrating novel therapeutics into the management of intermediate-stage hepatocellular carcinoma](#). Journal of Hepatocellular Carcinoma. 2022 Jun 2; 9: 517-536.

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13. Yen, FS; Wei, JC; Liu, JS; Hsu, CC; Hwu, CM. [Clinical course of adolescents with type 2 diabetes mellitus: A nationwide cohort study in Taiwan](#). Journal of Diabetes Investigation. 2022 Jun 21; Article in Press.

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  10. Wu, CC; Wang, CC; Chung, WY; Sheu, CC; Yang, YH; Cheng, MY; Lai, RS; Leung, SY; Lin, CC; Wei, YF; Lin, CH; Lin, SH; Hsu, JY; Huang, WC; Tseng, CC; Lai, YF; et al. [Environmental risks and sphingolipid signatures in adult asthma and its phenotypic clusters: S multicentre study](#). Thorax. 2022 Jun 16; Article in Press.

## National Institute of Environmental Health Sciences

1. Chiang, KM; Xiu, LL; Peng, CY; Lung, SCC; Chen, YC; Pan, WH. [Particulate matters, aldehydes, and polycyclic aromatic hydrocarbons produced from deep-frying emissions:](#)

- [Comparisons of three cooking oils with distinct fatty acid profiles](#). npj Science of Food. 2022 Jun 03; 6: Article number 282.
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### **National Institute of Infectious Diseases and Vaccinology**

1. Shih, HI; Huang, YT; Wu, CJ. [Disease burden and demographic characteristics of mucormycosis: A nationwide population-based study in Taiwan, 2006-2017](#). Mycoses. 2022 Jun 17; Article in Press.
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