

NHRI Publication _JUL 2021

Institute of Biomedical Engineering and Nanomedicine

1. Su, CY; Yeh, LK; Fan, TW; Lai, CC; Fang, HW. [Albumin acts as a lubricant on the surface of hydrogel and silicone hydrogel contact lenses.](#) *Polymers.* 2021 Jun 23; 13(13): Article number 2051.
2. Gudivada, VN; Huang, CJ; Luo, YH; Dong, GC. [A cyclic BMP-2 peptide upregulates BMP-2 protein-induced cell signaling in myogenic cells.](#) *Polymers.* 2021 Jul 31; 13(15): Article number 2549.
3. Chen, IC; Su, CY; Nien, WH; Huang, TT; Huang, CH; Lu, YC; Chen, YJ; Huang, GC; Fang, HW. [Influence of antibiotic-loaded acrylic bone cement composition on drug release behavior and mechanism.](#) *Polymers.* 2021 Jul 8; 13(14): Article number 2240.
4. Filonets, T; Solovchuk, M; Gao, W; Sheu, TWH. [Investigation of the efficiency of mask wearing, contact tracing, and case isolation during the COVID-19 outbreak.](#) *Journal of Clinical Medicine.* 2021 Jul 23; 10(13): Article number 2761.
5. Lin, CT; Wang, CY; Huang, KC; Horng, SJ; Liao, LD. [Wearable, multimodal, biosignal acquisition system for potential critical and emergency applications.](#) *Emergency Medicine International.* 2021 Jun; 2021: Article number 9954669.
6. Huang, CJ; Narasimha, GV; Chen, YC; Chen, JK; Dong, GC. [Measurement of low concentration of micro-plastics by detection of bioaffinity-induced particle retention using surface plasmon resonance biosensors.](#) *Biosensors-Basel.* 2021 Jul 3; 11(7): Article number 219.
7. Wang, YL; Jhang, DF; Chu, TS; Tsao, CH; Tsai, CH; Chuang, CC; Ger, TR; Chen, LT; Chang, W-SW; Liao, LD. [An adjustable dark-field acoustic-resolution photoacoustic imaging system with fiber bundle-based illumination.](#) *Biosensors-Basel.* 2021 Aug 3; 11(8): Article number 262.

Institute of Biotechnology and Pharmaceutical Research

1. Huang, JK; Shia, KS. [Anionic diels-alder chemistry of cyclic sodium dien-1-olates delivering highly stereoselective and functionalized polycyclic adducts](#). *Organic Letters*. 2021 Jul 21; Article in Press.
2. Huang, CY; Lin, SY; Hsu, TA; Hsieh, HP; Huang, MH. [Colloidal assemblies composed of polymeric micellar/emulsified systems integrate cancer therapy combining a tumor-associated antigen vaccine and chemotherapeutic regimens](#). *Nanomaterials*. 2021 Jul 16; 11(7): Article number 1844.
3. Hsu, JTA; Tien, CF; Yu, GY; Shen, S; Lee, YH; Hsu, PC; Wang, Y; Chao, PK; Tsay, HJ; Shie, FS. [The effects of Abeta1-42 binding to the SARS-CoV-2 spike protein S1 subunit and angiotensin-converting enzyme 2](#). *International Journal of Molecular Sciences*. 2021 Jul 30; 22(15): Article number 8226.
4. Li, MC; Lin, WH; Wang, PC; Su, YC; Chen, PY; Fan, CM; Chen, CP; Huang, CL; Chiu, CH; Chang, L; Chen, CT; Yeh, TK; Hsieh, HP. [Design and synthesis of novel orally selective and type II pan-TRK inhibitors to overcome mutations by property-driven optimization](#). *European Journal of Medicinal Chemistry*. 2021 Jun 29; 224: Article number 113673.
5. Pantawane, AR; Thul, M; Lin, YJ; Lin, M; Lin, W; Julakanti, SR; Wu, HR; Luo, SY. [Mild and efficient tunable bronsted acidic ionic liquid catalyzed O-acetylation and O-trimethylsilylation with trimethylsilyl acetate \(TMSOAc\) and hexamethyldisilazane \(HMDS\)](#). *Catalysts*. 2021 Jul 7; 11(7): Article number 825.
6. Miao, YB; Chen, KH; Chen, CT; Mi, WL; Lin, YJ; Chang, Y; Chiang, CS; Wang, JO; Lin, KJ; Sung, HW. [A noninvasive gut-to-brain oral drug delivery system for treating brain tumors](#). *Advanced Materials*. 2021 Jul 16; Article in Press.

Institute of Cellular and Systems Medicine

1. Ao-Ieong, WS; Chien, ST; Jiang, WC; Yet, SF; Wang, JN. [The effect of heat treatment toward glycerol-based, photocurable polymeric scaffold: Mechanical, degradation and biocompatibility](#). *Polymers*. 2021 Jun 14; 13(12): Article number 1960.

2. Wu, VCC; Li, YR; Wang, CY. [Impact of sodium-glucose co-transporter 2 inhibitors on cardiac protection](#). *International Journal of Molecular Sciences*. 2021 Jul 2; 22(13): Article number 7170.
3. Anwaier, G; Lian, G; Ma, GZ; Shen, WL; Lee, CI; Lee, PL; Chang, ZY; Wang, YX; Tian, XY; Gao, XL; Chiu, JJ; Qi, R. [Punicalagin attenuates disturbed flow-induced vascular dysfunction by inhibiting force-specific activation of smad1/5](#). *Frontiers in Cell and Developmental Biology*. 2021 Jun 28; 9: Article number 697539.
4. Chen, CL; Hsu, SC; Ann, DK; Yen, Y; Kung, HJ. [Arginine signaling and cancer metabolism](#). *Cancers*. 2021 Jul 15; 13(14): Article number 3541.
5. Jiang, WC; Hsu, WY; Ao-Ieong, WS; Wang, CY; Wang, J; Yet, SF. [A novel engineered vascular construct of stem cell-laden 3D-printed PGSA scaffold enhances tissue revascularization](#). *Biofabrication*. 2021 Jul 20; 13(4): Article number 045004.
6. Hung, CL; Wu, YW; Lin, CC; Lai, CH; Juang, JJM; Chao, TH; Kuo, L; Sung, KT; Wang, CY; Wang, CL; Chu, CY; Yu, WC; Hou, CJY. [2021 TSOC Expert consensus on the clinical features, diagnosis, and clinical management of cardiac manifestations of fabry disease](#). *Acta Cardiologica Sinica*. 2021 Jul; 37(4): 337-354.

Institute of Molecular and Genomic Medicine

1. Lin, SJ; Lin, YF; Tsai, CH; Huang, CH; Ho, F; Tsai, SF; Lin, WS. [Complex movement disorders in a boy with PURA syndrome](#). *Movement Disorders Clinical Practice*. 2021 Jun 28; Article in Press.
2. Yeh, PJ; Huang, SF; Chiang, MC; Wang, CJ; Lai, MW. [Efficacy of intravenous immunoglobulin/exchange transfusion therapy on gestational alloimmune liver disease](#). *Frontiers in Pediatrics*. 2021 Jun; 9: Article number 680730.
3. Chen, CL; Hsu, SC; Ann, DK; Yen, Y; Kung, HJ. [Arginine signaling and cancer metabolism](#). *Cancers*. 2021 Jul 15; 13(14): Article number 3541.

Institute of Population Health Sciences

1. Hsieh, TJ; Lee, WJ; Liao, YC; Hsu, CC; Fang, YH; Chen, TY; Lin, YS; Chang, IS; Wang,

- SJ; Hsiung, CA; Fuh, JL. [Association between Alzheimer's disease genes and trajectories of cognitive function decline in Han Chinese in Taiwan](#). *Aging*. 2021 Jul 2; 13(13): 17237-17252.
2. Chang, CC; Wu, CS; Tseng, HY; Lee, CY; Wu, IC; Hsu, CC; Chang, HY; Chiu, YF; Hsiung, CA. [Assessment of incident frailty hazard associated with depressive symptoms in a Taiwanese longitudinal study](#). *International Psychogeriatrics*. 2021 Jul 19; Article in Press.
 3. Tsai, MC; Chuang, HL; Huang, CY; Lee, SH; Liao, WC; Lee, MC; Kuo, CP. [Exploring the relationship of health beliefs and self-care behaviors related to diabetic foot ulcers of type II diabetes mellitus patients: A cross-sectional study](#). *International Journal of Environmental Research and Public Health*. 2021 Jul 5; 18(13): Article number 7207.
 4. Chang-Chien, J; Huang, JL; Tsai, HJ; Wang, SL; Kuo, ML; Yao, TC. [Particulate matter causes telomere shortening and increase in cellular senescence markers in human lung epithelial cells](#). *Ecotoxicology and Environmental Safety*. 2021 Oct 1; 222: Article number 112484.
 5. Yen, FS; Huang, YH; Hou, MC; Hwu, CM; Lo, YR; Shin, SJ; Hsu, CC. [Metformin use and cirrhotic decompensation in patients with type 2 diabetes and liver cirrhosis](#). *British Journal of Clinical Pharmacology*. 2021 Jul 1; Article in Press.
 6. Huang, YD; Luo, YR; Lee, MC; Yeh, CJ. [Factors affecting the growth of children till the age of three years with overweight whose mothers have diabetes mellitus: A population-based cohort study](#). *BMC Pediatrics*. 2021 Jul 2; 21(1): Article number 298.

National Center for Geriatrics and Welfare Research

1. Wu, CS; Hsu, LY; Pan, YJ; Wang, SH. [Associations between antidepressant use and advanced diabetes outcomes in patients with depression and diabetes mellitus](#). *Journal of Clinical Endocrinology and Metabolism*. 2021 Jul 14; Article in Press.
2. Chang, CC; Wu, CS; Tseng, HY; Lee, CY; Wu, IC; Hsu, CC; Chang, HY; Chiu, YF; Hsiung, CA. [Assessment of incident frailty hazard associated with depressive symptoms in a Taiwanese longitudinal study](#). *International Psychogeriatrics*. 2021 Jul 19; Article in

Press.

National Institute of Cancer Research

1. Shan, YS; Chen, LT; Wu, CH; Chang, YF; Lee, CT; Chiang, NJ; Chao, YJ; Yen, CJ; Tsai, HJ; Huang, HE; Tsai, CR; Weng, YL; Yang, HC; Liu, HC; Chang, JS. [No association between alcohol consumption and pancreatic cancer even among individuals genetically susceptible to the carcinogenicity of alcohol](#). *Scientific Reports*. 2021 Jul 15; 11: Article number 14567.
2. Chang, KY; Chiang, NJ; Wu, SY; Yen, CJ; Chen, SH; Yeh, YM; Li, CF; Feng, XX; Wu, K; Johnston, A; Bomalaski, JS; Wu, BW; Gao, JJ; Subudhi, SK; Kaseb, AO; Blando, JM; Yadav, SS; Szlosarek, PW; Chen, LT. [Phase 1b study of pegylated arginine deiminase \(ADI-PEG 20\) plus Pembrolizumab in advanced solid cancers](#). *Oncoimmunology*. 2021 Jun 12; 10(1): Article number 1943253.
3. Chou, CL; Chen, TJ; Tian, YF; Chan, TC; Yeh, CF; Li, WS; Tsai, HH; Li, CF; Lai, HY. [CTSE overexpression is an adverse prognostic factor for survival among rectal cancer patients receiving CCRT](#). *Life-Basel*. 2021 Jul; 11(7): Article number 646.
4. Chou, CL; Chen, TJ; Tian, YF; Chan, TC; Yeh, CF; Li, WS; Tsai, HH; Li, CF; Lai, HY. [Upregulated MUC2 is an unfavorable prognostic indicator for rectal cancer patients undergoing preoperative CCRT](#). *Journal of Clinical Medicine*. 2021 Jul 7; 10(14): Article number 3030.
5. Shen, CH; Hsieh, CC; Jiang, KY; Lin, CY; Chiang, NJ; Li, TW; Yen, CT; Chen, WJ; Hwang, DY; Chen, LT. [AUY922 induces retinal toxicity through attenuating TRPM1](#). *Journal of Biomedical Science*. 2021 Jul 23; 28: Article number 55.
6. Huang, SS; Liao, WY; Hsu, CC; Chan, TS; Liao, TY; Yang, PM; Chen, LT; Sung, SY; Tsai, KK. [A Novel Invadopodia-Specific Marker for Invasive and Pro-Metastatic Cancer Stem Cells \[Erratum: Frontiers in Oncology. 2021 May 31; 11: Article number 638311.\]](#). *Frontiers in Oncology*. 2021 Jun 22; 11: Article number 718849.
7. Hsu, JC; Nguyen, PA; Chen, YT; Yang, SC; Lin, CC; Yang, YH; Lin, YC; Hsia, TC; Hsieh, HC; Wu, JS; Chang, CP; Feng, YH; Lin, PC; Hsu, PC; Tzeng, HE; Chien, SC; Chang, WC;

- Chang, CC; Yang, HC; Lee, CM; Lu, CY. [The effectiveness and safety of immune checkpoint inhibitors in non-small cell lung cancer patients with stage III/IV: A multicenter study](#). *Frontiers in Oncology*. 2021 Jul 7; 11: Article number 671127.
8. Chen, TJ; Tian, YF; Chou, CL; Chan, TC; He, HL; Li, WS; Tsai, HH; Li, CF; Lai, HY. [High spink4 expression predicts poor outcomes among rectal cancer patients receiving CCRT](#). *Current Oncology*. 2021 Jun 25; 28(4): 2373-2384.
9. Chen, MH; Lu, SN; Chen, CH; Lin, PC; Jiang, JK; D'Yachkova, Y; Lukanowski, M; Cheng, R; Chen, LT. [How may ramucirumab help improve treatment outcome for patients with gastrointestinal cancers?](#) *Cancers*. 2021 Jul 15; 13(14): Article number 3536.
10. Wang, YL; Jhang, DF; Chu, TS; Tsao, CH; Tsai, CH; Chuang, CC; Ger, TR; Chen, LT; Chang, W-SW; Liao, LD. [An adjustable dark-field acoustic-resolution photoacoustic imaging system with fiber bundle-based illumination](#). *Biosensors-Basel*. 2021 Aug 3; 11(8): Article number 262.
11. Tsai, H; Yang, S; Hsiao, C; Kao, H; Shan, Y; Lin, Y; Yen, C; Du, J; Hsu, C; Wu, I; Chen, L. [A phase I study of biweekly abraxane in combination with oxaliplatin and oral S-1/leucovorin as first line treatment for advanced gastric, pancreatic and biliary tract cancers](#). *Annals of Oncology*. 2021 Jul; 32(Suppl. 3): S146-S147.
12. Chen, S; Lai, H; Tsou, H; Shao, Y; Chang, C; Su, T; Liu, T; Chen, L; Cheng, A; Hsu, C. [Atezolizumab plus bevacizumab for patients with advanced hepatocellular carcinoma and chronic hepatitis B virus infection with high viral load](#). *Annals of Oncology*. 2021 Jul; 32(Suppl. 3): S141-S142.
13. Su, Y; Lin, Y; Hsiao, C; Ou, D; Chen, S; Wu, Y; Lee, W; Lin, J; Hsu, C; Ho, M; Lu, L; Wu, T; Lai, S; Chao, Y; Chou, T; Yen, C; Chen, L; Shan, Y; Cheng, A; Hsu, C. [Nivolumab plus ipilimumab as neoadjuvant therapy for potentially resectable hepatocellular carcinoma](#). *Annals of Oncology*. 2021 Jul; 32(Suppl. 3): S141-S141.
14. Wu, HC; Lin, WL; Lin, CL; Lin, CY; Chen, SW; Chen, YX; Chen, CH; Lee, SW; Chen, SH; Tsao, CJ; Huang, WT; Guo, HR. [Age as a modifier of the effects of chemoradiotherapy with infusional 5-fluorouracil after D2 dissection in gastric cancer](#). *Aging*. 2021 Jul 5; 13(13): 17337-17348.

15. Hsieh, TJ; Lee, WJ; Liao, YC; Hsu, CC; Fang, YH; Chen, TY; Lin, YS; Chang, IS; Wang, SJ; Hsiung, CA; Fuh, JL. [Association between Alzheimer's disease genes and trajectories of cognitive function decline in Han Chinese in Taiwan](#). *Aging*. 2021 Jul 2; 13(13): 17237-17252.

National Institute of Environmental Health Sciences

1. Chen, PY; Ko, CH; Wang, CJ; Chen, CW; Chiu, WH; Hong, C; Cheng, HM; Wang, IJ. [The early detection of immunoglobulins via optical-based lateral flow immunoassay platform in COVID-19 pandemic](#). *PLoS ONE*. 2021 Jul 20; 16(7 July): Article number e0254486.
2. Zhao, Q; Guo, YM; Ye, TT; Gasparini, A; Tong, SL; Overcenco, A; Urban, A; Schneider, A; Entezari, A; Vicedo-Cabrera, AM; Zanobetti, A; et al. [Global, regional, and national burden of mortality associated with non-optimal ambient temperatures from 2000 to 2019: A three-stage modelling study](#). *Lancet Planetary Health*. 2021 Jul; 5(7): E415-E425.
3. Liu, KL; Tsai, TL; Tsai, WC; Tsai, SF; Lee, CH; Wang, SL. [Prenatal heavy metal exposure, total immunoglobulin E, trajectory, and atopic diseases: A 15-year follow-up study of a Taiwanese birth cohort](#). *Journal of Dermatology*. 2021 Jul 15; Article in Press.
4. Wong, PY; Su, HJ; Lee, HY; Chen, YC; Hsiao, YP; Huang, JW; Teo, TA; Wu, CD; Spengler, JD. [Using land-use machine learning models to estimate daily NO2 concentration variations in Taiwan](#). *Journal of Cleaner Production*. 2021 Oct 1; 317: Article number 128411.
5. Do, DC; Zhang, Y; Tu, W; Hu, X; Xiao, X; Chen, J; Hao, H; Liu, Z; Li, J; Huang, SK; Wan, M; Gao, P. [Type II alveolar epithelial cell-specific loss of RhoA exacerbates allergic airway inflammation through SLC26A4](#). *JCI insight*. 2021 Jul 22; 6(14): Article number e148147.
6. Fang, YJ; Chuang, HY; Pan, CH; Chang, YY; Cheng, YW; Lee, LJH; Wang, JD. [Increased risk of gastric cancer in asbestos-exposed workers: A retrospective cohort study based on Taiwan cancer registry 1980-2015](#). *International Journal of Environmental Research and Public Health*. 2021 Jul 15; 18(14): Article number 7521.

7. Hsu, JW; Nien, CY; Chen, HW; Tsai, FY; Yeh, SC; Kao, YH; Tsou, TC. [Di\(2-ethylhexyl\)phthalate exposure exacerbates metabolic disorders in diet-induced obese mice.](#) *Food and Chemical Toxicology*. 2021 Jul 23; 156: Article number 112439.
8. Wang, LT; Liu, KY; Chiou, SS; Huang, SK; Hsu, SH; Wang, SN. [Phosphorylation of intestine-specific homeobox by ERK1 modulates oncogenic activity and sorafenib resistance.](#) *Cancer Letters*. 2021 Nov; 520: 160-171.
9. Huang, CJ; Narasimha, GV; Chen, YC; Chen, JK; Dong, GC. [Measurement of low concentration of micro-plastics by detection of bioaffinity-induced particle retention using surface plasmon resonance biosensors.](#) *Biosensors-Basel*. 2021 Jul 3; 11(7): Article number 219.
10. Tseng, CH. [The relationship between diabetes mellitus and gastric cancer and the potential benefits of metformin: An extensive review of the literature.](#) *Biomolecules*. 2021 Jul; 11(7): Article number 1022.
11. Chiou, CHY; Huang, SH; Hung, CH; Tsai, SM; Kuo, HR; Huang, YR; Wang, JW; Chen, SC; Kuo, CH; Wu, DC; Huang, SK; Hsu, SH; Lin, MH. [Hyperbaric oxygen therapy alleviates the autoimmune encephalomyelitis via the reduction of IL-17a and GM-CSf production of autoreactive T cells as well as boosting the immunosuppressive IL-10 in the central nervous system tissue Lesions.](#) *Biomedicines*. 2021 Aug 2; 9(8): Article number 943.
12. Chen, CC; Tsai, SS; Yang, CY. [Effects of the implementation of a mass rapid transit system on mortality rates attributed to cardiorespiratory complications in Taipei.](#) *Journal of Toxicology and Environmental Health, Part A*. 2021 Jul 25; Article in Press.

National Institute of Infectious Diseases and Vaccinology

1. Ho, TC; Chang, CC; Chan, HP; Huang, YF; Chen, YMA; Chuang, KP; Lee, CH; Yuan, CH; Deng, YZ; Yang, MH; Tyan, YC. [Pulmonary findings of \[F-18\]FDG PET/CT images on asymptomatic COVID-19 patients.](#) *Pathogens*. 2021 Jul 3; 10(7): Article number 839.
2. Huang, CY; Lin, SY; Hsu, TA; Hsieh, HP; Huang, MH. [Colloidal assemblies composed of](#)

- [polymeric micellar/emulsified systems integrate cancer therapy combining a tumor-associated antigen vaccine and chemotherapeutic regimens](#). *Nanomaterials*. 2021 Jul 16; 11(7): Article number 1844.
3. Wang, CH; Siu, LK; Chang, FY; Chiu, SK; Lin, JC. [A resistance mechanism in non-mcr colistin-resistant escherichia coli in Taiwan: R81H substitution in PmrA is an Independent factor contributing to colistin resistance](#). *Microbiology Spectrum*. 2021 Jul 14; Article in Press.
 4. Hsu, JTA; Tien, CF; Yu, GY; Shen, S; Lee, YH; Hsu, PC; Wang, Y; Chao, PK; Tsay, HJ; Shie, FS. [The effects of Abeta1-42 binding to the SARS-CoV-2 spike protein S1 subunit and angiotensin-converting enzyme 2](#). *International Journal of Molecular Sciences*. 2021 Jul 30; 22(15): Article number 8226.
 5. Lin, YC; Shih, CP; Chen, HC; Chou, YL; Sytwu, HK; Fang, MC; Lin, YY; Kuo, CY; Su, HH; Hung, CL; Chen, HK; Wang, CH. [Ultrasound microbubble-facilitated inner ear delivery of gold nanoparticles involves transient disruption of the tight junction barrier in the round window membrane](#). *Frontiers in Pharmacology*. 2021 Jun 28; 12: Article number 680730.
 6. Lu, MY; Lin, YL; Kuo, Y; Chuang, CF; Wang, JR; Liao, F. [Muscle tissue damage and recovery after EV71 infection correspond to dynamic macrophage phenotypes](#). *Frontiers in Immunology*. 2021 Jul 9; 12: Article number 648184.
 7. Wu, CC; Chiang, CY; Liu, SJ; Chen, HW. [A novel recombinant Fc gamma receptor-targeted survivin combines with chemotherapy for efficient cancer treatment](#). *Biomedicines*. 2021 Jul 12; 9(7): Article number 806.
 8. Chen, YW; Tang, HJ; Tsai, YS; Lee, NY; Hung, YP; Huang, CF; Lee, CC; Li, CW; Li, MC; Syue, LS; Su, SL; Hsu, SH; Ko, WC; Chen, PL. [Risk of non-typhoidal Salmonella vascular infections is increased with degree of atherosclerosis and inflammation: A multicenter study in southern Taiwan](#). *Journal of Microbiology, Immunology and Infection*. 2021 Jun 21; Article in Press.

Center for Neuropsychiatric Research

1. Wang, TY; Lee, SY; Hu, MC; Chen, SL; Chang, YH; Chu, CH; Lin, SH; Li, CL; Wang, LJ; Chen, PS; Chen, SH; Huang, SY; Tzeng, NS; Lee, IH; Chen, KC; Yang, YK; Hong, JS; Lu, RB. [More inflammation but less brain-derived neurotrophic factor in antisocial personality disorder \[Erratum: Psychoneuroendocrinology. 2017 Aug 05; 85: 42-48.\]](#). *Psychoneuroendocrinology*. 2021 Jul 7; Article in Press.
2. Lin, E; Kuo, PH; Lin, WY; Liu, YL; Yang, AC; Tsai, SJ. [Prediction of probable major depressive disorder in the taiwan biobank: An integrated machine learning and genome-wide analysis approach](#). *Journal of Personalized Medicine*. 2021 Jun 24; 11(7): Article number 597.
3. Lin, E; Tsai, SJ; Kuo, PH; Liu, YL; Yang, AC; Conomos, MP; Thornton, TA. [Genome-wide association study in the Taiwan biobank identifies four novel genes for human height: NABP2, RASA2, RNF41 and SLC39A5](#). *Human Molecular Genetics*. 2021 Jul 16; Article in Press.
4. Chen, YH; Wu, KJ; Hsieh, W; Harvey, BK; Hoffer, BJ; Wang, Y; Yu, SJ. [Administration of AAV-alpha synuclein NAC antibody improves locomotor behavior in rats overexpressing alpha synuclein](#). *Genes*. 2021 Jun 21; 12(6): Article number 948.
5. Chang, HM; Chen, PY; Fang, CP; Liu, TH; Wu, CT; Hsu, YC; Kuo, HW; Liu, YL; Huang, MC. [Increased Nectin-4 levels in chronic ketamine abusers and the relationship with lower urinary tract symptoms](#). *Environmental Toxicology and Pharmacology*. 2021 Jul 22; 87: Article number 103714.
6. Chen, AJ; Chen, WT; Wang, IA; Wang, N; Chen, WJ; Chen, CY. [Association between childhood negative life events with alcohol expectancies in early adolescence: Cumulative risk and latent class approaches](#). *Drug and Alcohol Dependence*. 2021 Sep 1; 226: Article number 108853.
7. Lin, E; Kuo, PH; Lin, WY; Liu, YL; Yang, AC; Tsai, SJ. [An association study in the Taiwan Biobank elicits three novel candidates for cognitive aging in old adults: NCAM1, TTC12 and ZBTB20](#). *Aging*. 2021 Jul 20; Article in Press.
8. Hsu, JTA; Tien, CF; Yu, GY; Shen, S; Lee, YH; Hsu, PC; Wang, Y; Chao, PK; Tsay, HJ;

Shie, FS. [The effects of Abeta1-42 binding to the SARS-CoV-2 spike protein S1 subunit and angiotensin-converting enzyme](#) 2. *International Journal of Molecular Sciences*. 2021 Jul 30; 22(15): Article number 8226.

Immunology Research Center

1. Tseng, JC; Chang, YC; Huang, CM; Hsu, LC; Chuang, TH. [Therapeutic development based on the immunopathogenic mechanisms of psoriasis](#). *Pharmaceutics*. 2021 Jul 11; 13(7): Article number 1064.
2. Chuang, HC; Chen, MH; Chen, YM; Ciou, YR; Hsueh, CH; Tsai, CY; Tan, TH. [ECP overexpression in T cells and exosomes induces IFN-gamma production and tissue inflammation](#). *Arthritis and Rheumatology*. 2021 Jul 5; Article in Press.

Graduate Student Program

1. Fang, YJ; Chuang, HY; Pan, CH; Chang, YY; Cheng, YW; Lee, LJH; Wang, JD. [Increased risk of gastric cancer in asbestos-exposed workers: A retrospective cohort study based on Taiwan cancer registry 1980-2015](#). *International Journal of Environmental Research and Public Health*. 2021 Jul 15; 18(14): Article number 7521.
2. Kao, CN; Chou, SH; Tsai, MJ; Chang, PC; Liu, YW. [Male adolescents with contralateral blebs undergoing surgery for primary spontaneous pneumothorax may benefit from simultaneous contralateral blebectomies](#). *BMC Pulmonary Medicine*. 2021 Jul; 21: Article number 210.