

NHRI Publication _ APR 2018

Institute of Biomedical Engineering and Nanomedicine

1. Chen, HJ; Chew, CY; Chang, EH; Tu, YW; Wei, LY; Wu, BH; Chen, CH; Yang, YT; Huang, SC; Chen, JK; Chen, IC; Tan, KT. [S- Cis diene conformation: A new bathochromic shift strategy for near-infrared fluorescence switchable dye and the imaging applications.](#) *Journal of the American Chemical Society.* 2018 Apr 18; 140(15): 5224-5234.
2. Liao, FH; Wu, TH; Huang, YT; Lin, WJ; Su, CJ; Jeng, US; Kuo, SC; Lin, SY. [Subnanometer gold clusters adhere to lipid a for protection against endotoxin-induced sepsis.](#) *Nano Letters.* 2018 Apr 12; Article in Press.

Institute of Biotechnology and Pharmaceutical Research

1. Ke, YY; Chang, CP; Lin, WH; Tsai, CH; Chiu, IC; Wang, WP; Wang, PC; Chen, PY; Lin, WH; Chang, CF; Kuo, PC; Song, JS; Shih, C; Hsieh, HP; Chi, YH. [Design and synthesis of BPR1K653 derivatives targeting the back pocket of Aurora kinases for selective isoform inhibition.](#) *European Journal of Medicinal Chemistry.* 2018 May 10; 151: 533-545.

Institute of Cellular and Systems Medicine

1. Lin, MC; Chen, SY; Lin He, P; Herschman, H; Li, HJ. [PGE2 /EP4 antagonism enhances tumor chemosensitivity by inducing extracellular vesicle-mediated clearance of cancer stem cells.](#) *International Journal of Cancer.* 2018 Apr 15; *Article in Press.*
2. Wang, YJ; Jeng, US; Hsu, SH. [Biodegradable water-based polyurethane shape memory elastomers for bone tissue engineering.](#) *ACS Biomaterials Science and Engineering.* 2018 Mar 7; 4(4): 1397-1406.
3. Luo, SF; Chin, CY; Ho, LJ; Tseng, WY; Kuo, CF; Lai, JH. [Monosodium urate crystals induced ICAM-1 expression and cell-cell adhesion in renal mesangial cells: Implications for the pathogenesis of gouty nephropathy.](#) *Journal of Microbiology, Immunology and Infection.* 2018 Jan 31; *Article in Press.*
4. Lee, RHC; Lee, MHH; Wu, CYC; Silva, ACE; Possoit, HE; Hsieh, TH; Minagar, A; Lin, HW. [Cerebral ischemia and neuroregeneration.](#) *Neural Regeneration Research.* 2018 Mar; 13(3): 373-385.

Institute of Molecular and Genomic Medicine

1. Feng, HS; Chi, CI; Chen, HC; Chang, YT; Long, CC; Chung, WC; Chung, TC; Chih, HM; Chen, LW; Chung, YH; Ying, SY; Liew, EH; John, W; Hwa, TH; Ming, JY; Ting, YC; Ling, CC; Jer, CP; Fan, LY. [Metabolic risk factors](#)

- [are associated with non-hepatitis B non-hepatitis C hepatocellular carcinoma in Taiwan, an endemic area of chronic hepatitis B.](#) *Hepatology Communications*. 2018 Apr; Article in Press.
2. Tseng, CW; Kuo, WH; Chan, SH; Chan, HL; Chang, KJ; Wang, LH. [Transketolase regulates the metabolic switch to control breast cancer cell metastasis via the alpha-ketoglutarate signaling pathway.](#) *Cancer Research*. 2018 Mar 29; Article in Press.
 3. Chang, JW; Kuo, WH; Lin, CM; Chen, WL; Chan, SH; Chiu, MF; Chang, IS; Jiang, SS; Tsai, FY; Chen, CH; Huang, PH; Chang, KJ; Lin, KT; Lin, SC; Wang, MY; Uen, YH; Tu, CW; Hou, MF; Tsai, SF; Shen, CY; Tung, SL; Wang, LH. [Wild-type p53 upregulates an early onset breast cancer-associated gene GAS7 to suppress metastasis via GAS7-CYFIP1-mediated signaling pathway.](#) *Oncogene*. 2018 Apr 30; Article in Press.
 4. Liu, WS; Chan, SH; Chang, HT; Li, GC; Tu, YT; Tseng, HH; Fu, TY; Chang, HY; Liou, HH; Ger, LP; Tsai, KW. [Isocitrate dehydrogenase 1-snail axis dysfunction significantly correlates with breast cancer prognosis and regulates cell invasion ability.](#) *Breast Cancer Research*. 2018 Apr 16; 20: Article number 25.
 5. Lin, YR; Parikh, H; Park, Y. [Stress resistance and lifespan enhanced by downregulation of antimicrobial peptide genes in the Imd pathway.](#) *Aging*.

2018 Apr 19; Article in Press.

6. Kuo, YP; Tsai, KN; Luo, YC; Chung, PJ; Su, YW; Teng, Y; Wu, MS; Lin, YF; Lai, CY; Chuang, TH; Dai, SS; Tseng, FC; Hsieh, CH; Tsai, DJ; Tsai, WT; Chen, CH; Yu, GY. [Establishment of a mouse model for the complete mosquito-mediated transmission cycle of Zika virus.](#) *PLoS Neglected Tropical Diseases*. 2018 Apr 18; 12(4): Article number e0006417.

Institute of Population Health Sciences

1. Wen, CP; Gao, W. [PM2.5: An important cause for chronic obstructive pulmonary disease?](#) *Lancet. Planetary Health*. 2018 Mar; 2(3): e105-e106.
2. Mashima, I; Liao, YC; Sabharwal, A; Haase, EM; Nakazawa, F; Scannapieco, FA. [Draft genome sequences of four strains of recently established novel Veillonella species isolated from human oral cavities.](#) *Genome Announcements*. 2018 Apr; 6(15): Article number e00259-18.
3. Kamiza, AB; Hsieh, LL; Tang, R; Chien, HT; Lai, CH; Chiu, LL; Lo, TP; Hung, KY; You, JF; Wang, WC; Hsiung, CA; Yeh, CC. [Polymorphisms of DNA repair genes are associated with colorectal cancer in patients with Lynch syndrome.](#) *Molecular Genetics and Genomic Medicine*. 2018 Apr 17; Article in Press.
4. Tsai, HJ; Wang, GY; Hong, XM; Ji, YL; Wang, XB. [Early life weight gain](#)

- [and development of childhood asthma in a prospective birth cohort.](#) *Journal of Allergy and Clinical Immunology*. 2018 Feb; 141(2, Suppl.): AB194.
5. Gau, CC; Lee, WF; Lu, IC; Lin, LL; Wu, CY; Tsai, HJ; Yao, TC. [Neonatal jaundice and risk of allergic diseases by 6 years of age: A cohort study.](#) *Journal of Allergy and Clinical Immunology*. 2018 Feb; 141(2, Suppl.): AB5.
 6. Lee, WF; Gau, CC; Lu, IC; Lin, LL; Wu, CY; Tsai, HJ; Yao, TC. [Effect of birth weight on lung function and exhaled nitric oxide in a cohort of Asian children at six years of age.](#) *Journal of Allergy and Clinical Immunology*. 2018 Feb; 141(2, Suppl.): AB5.
 7. Yao, TC; Huang, YW; Wu, HT; Tsai, YT; Wang, JY; Tsai, HJ. [Increasing trends of anaphylaxis-related events: An analysis of anaphylaxis nationwide data in Taiwan, 2001-2013.](#) *Journal of Allergy and Clinical Immunology*. 2018 Feb; 141(2, Suppl.): AB153.
 8. Wu, CL; Chang, CC; Kor, CT; Yang, TH; Chiu, PF; Tarng, DC; Hsu, CC. [Hydroxychloroquine use and risk of CKD in patients with rheumatoid arthritis.](#) *Clinical Journal of the American Society of Nephrology*. 2018 Apr 16; Article in Press.
 9. Kuo, CN; Pan, JJ; Huang, YW; Tsai, HJ; Chang, WC. [Association between nonsteroidal anti-inflammatory drugs and colorectal cancer: A population-based case-control study.](#) *Cancer Epidemiology, Biomarkers and Prevention*.

2018 Apr 25; Article in Press.

10. Yen, FS; Chiang, JH; Pan, CW; Lin, BJ; Wei, JC; Hsu, CC. [Cardiovascular outcomes of dipeptidyl peptidase-4 inhibitors in patients with type 2 diabetes on insulin therapy](#). *Diabetes Research and Clinical Practice*. 2018 Apr 12; 140: 279-287.
11. Lin, KM; Yang, MD; Tsai, CW; Chang, WS; Hsiao, CL; Jeng, LB; Yueh, TC; Lee, MC; Bau, DT. [The role of MTHFR genotype in colorectal cancer susceptibility in Taiwan](#). *Anticancer Research*. 2018 Apr; 38(4): 2001-2006.
12. Kung, WH; Lee, CL; Yang, CD; Yu, CF; Chiew, MY; Chen, FH; Huang, HD. [Integrated microRNA and mRNA expression profile analysis of tumor-associated macrophages after exposure to single-dose irradiation](#). *Computational Biology and Chemistry*. 2018 Mar 13; Article in Press.
13. Hung, YP; Chen, MH; Lin, JS; Hsiao, CF; Shan, YS; Chen, YC; Chen, LT; Liu, TW; Li, CP; Chao, Y. [The clinical impact of the novel tumor marker DR-70 in unresectable gastric cancer patients](#). *Journal of the Chinese Medical Association*. 2018 Apr 7; Article in Press.
14. Lee, WJ; Chang, YC; Almalki, O; Chao, SH; Lu, CH; Chen, CC; Huang, YY; Lee, YC; Hsu, CC. [Study design and recruitment for a prospective controlled study of diabetes: Taiwan diabetes study](#). *Asian Journal of Surgery*. 2018 Apr 6; Article in Press.

National Institute of Cancer Research

1. Wu, CC; Fang, CY; Huang, SY; Chiu, SH; Lee, CH; Chen, JY. [Perspective: Contribution of Epstein-Barr virus \(EBV\) reactivation to the carcinogenicity of nasopharyngeal cancer cells](#). *Cancers*. 2018 Apr 17; 10(4): Article number 120.
2. Abou-Alfa, G; Qin, S; Ryoo, BY; Lu, SN; Yen, CJ; Feng, YH; Lim, HY; Izzo, F; Colombo, M; Sarker, D; Bolondi, L; Vaccaro, G; Harris, WP; Chen, Z; Hubner, RA; Meyer, T; Sun, W; Harding, JJ; Hollywood, EM; Ma, J; Wan, PJ; Ly, M; Bomalaski, J; Johnston, A; Lin, CC; Chao, Y; Chen, LT. [ADI-PEG 20 plus best supportive care versus placebo plus best supportive care in patients with advanced hepatocellular carcinoma](#). *Annals of Oncology*. 2018 Apr 5; Article in Press.
3. Chang, JW; Kuo, WH; Lin, CM; Chen, WL; Chan, SH; Chiu, MF; Chang, IS; Jiang, SS; Tsai, FY; Chen, CH; Huang, PH; Chang, KJ; Lin, KT; Lin, SC; Wang, MY; Uen, YH; Tu, CW; Hou, MF; Tsai, SF; Shen, CY; Tung, SL; Wang, LH. [Wild-type p53 upregulates an early onset breast cancer-associated gene GAS7 to suppress metastasis via GAS7-CYFIP1-mediated signaling pathway](#). *Oncogene*. 2018 Apr 30; Article in Press.
4. Hsiao, JR; Chang, CC; Lee, WT; Huang, CC; Ou, CY; Tsai, ST; Chen, KC;

- Huang, JS; Wong, TY; Lai, YH; Wu, YH; Hsueh, WT; Wu, SY; Yen, CJ; Chang, JY; Lin, CL; Weng, YL; Yang, HC; Chen, YS; Chang, JS. [The interplay between oral microbiome, lifestyle factors, and genetic polymorphisms in the risk of oral squamous cell carcinoma.](#) *Carcinogenesis*. 2018 Apr 13; Article in Press.
5. Wu, MY; Li, CJ; Yiang, GT; Cheng, YL; Tsai, AP; Hou, YT; Ho, YC; Hou, MF; Chu, PY. [Molecular regulation of bone metastasis pathogenesis.](#) *Cellular Physiology and Biochemistry*. 2018 Apr 18; 46(4): 1423-1438.
6. Li, CF; Shen, KH; Chien, LH; Huang, CH; Wu, TF; He, HL. [Proteomic identification of the galectin-1-involved molecular pathways in urinary bladder urothelial carcinoma.](#) *International Journal of Molecular Sciences*. 2018 Apr 19; 19(4): Article number 1242.
7. Hung, YP; Chen, MH; Lin, JS; Hsiao, CF; Shan, YS; Chen, YC; Chen, LT; Liu, TW; Li, CP; Chao, Y. [The clinical impact of the novel tumor marker DR-70 in unresectable gastric cancer patients.](#) *Journal of the Chinese Medical Association*. 2018 Apr 7; Article in Press.

National Institute of Environmental Health Sciences

1. Hsiao, FJ; Chen, CY; Lee, LJH; Cheng, Y. [Occupational health examination of asbestos-exposed workers: Viewpoints of occupational health physicians.](#)

- Taiwan Journal of Public Health*. 2018 Feb; 37(1): 24-33.
2. Wang, SLJ; Lin, S; Wen, HJ; Guo, YL. [Prenatal and postnatal exposure to perfluoroalkyl substances and antibody concentrations with mass vaccination in 5, 8, 11 and 14 year-old children in Taiwan](#). *Journal of Allergy and Clinical Immunology*. 2018 Feb; 141(2, Suppl.): AB17.
 3. Hsu, YC; Que, DE; Gou, YY; Tsou, TC; Liu, CK; Wang, YL; Hou, WC; Lin, YH; Liu, WY; Chao, HR; Lee, WJ. [National surveillance of 2,3,7,8-substituted polychlorinated dibenzo-p-dioxins/furans in soil in Taiwan](#). *Chemosphere*. 2018 Jul; 203: 239-252.
 4. Tsai, SS; Tsai, CY; Yang, CY. [Fine particulate air pollution associated with increased risk of hospital admissions for hypertension in a tropical city, Kaohsiung, Taiwan](#). *Journal of Toxicology and Environmental Health. Part A*. 2018 Apr 18; Article in Press.
 5. Nakajima, M; Kawaguchi, M; Matsuyama, M; Ota, K; Fujita, J; Matsukura, S; Huang, SK; Morishima, Y; Ishii, Y; Satoh, H; Sakamoto, T; Hizawa, N. [Transcription elongation factor P-TEFb is involved in IL-17F signaling in airway smooth muscle cells](#). *International Archives of Allergy and Immunology*. 2018 Apr 12; Article in Press.
 6. Lee, HH; Chen, YC; Chen, JJ; Lo, SH; Guo, YL; Hu, HY. [Insomnia and the risk of atrial fibrillation: A population-based cohort study](#). *Acta Cardiologica*

Sinica. 2018 Mar; 34(2): 193-194.

National Institute of Infectious Diseases and Vaccinology

1. Liao, FH; Wu, TH; Huang, YT; Lin, WJ; Su, CJ; Jeng, US; Kuo, SC; Lin, SY. [Subnanometer gold clusters adhere to lipid a for protection against endotoxin-induced sepsis](#). *Nano Letters*. 2018 Apr 12; Article in Press.
2. Huang, CY; Huang, CH; Liu, SJ; Chen, HW; Leng, CH; Chong, P; Huang, MH. [Polysorbosome: A colloidal vesicle contoured by polymeric bioresorbable amphiphiles as an immunogenic depot for vaccine delivery](#). *ACS Applied Materials and Interfaces*. 2018 Apr 18; 10(15): 12553-12561.
3. Chiang, CY; Chen, YJ; Wu, CC; Liu, SJ; Leng, CH; Chen, HW. [Efficient uptake of recombinant lipidated survivin by antigen-presenting cells initiates antigen cross-presentation and antitumor immunity](#). *Frontiers in Immunology*. 2018 Apr 23; 9: Article number 822.
4. Kuo, YP; Tsai, KN; Luo, YC; Chung, PJ; Su, YW; Teng, Y; Wu, MS; Lin, YF; Lai, CY; Chuang, TH; Dai, SS; Tseng, FC; Hsieh, CH; Tsai, DJ; Tsai, WT; Chen, CH; Yu, GY. [Establishment of a mouse model for the complete mosquito-mediated transmission cycle of Zika virus](#). *PLoS Neglected Tropical Diseases*. 2018 Apr 18; 12(4): Article number e0006417.
5. Chien, YW; Liu, ZH; Tseng, FC; Ho, TC; Guo, HR; Ko, NY; Ko, WC; Perng,

GC. [Prolonged persistence of IgM against dengue virus detected by commonly used commercial assays](#). *BMC Infectious Diseases*. 2018 Apr 2; 18: Article number 156.

National Mosquito-Borne Diseases Control Research Center

1. Kuo, YP; Tsai, KN; Luo, YC; Chung, PJ; Su, YW; Teng, Y; Wu, MS; Lin, YF; Lai, CY; Chuang, TH; Dai, SS; Tseng, FC; Hsieh, CH; Tsai, DJ; Tsai, WT; Chen, CH; Yu, GY. [Establishment of a mouse model for the complete mosquito-mediated transmission cycle of Zika virus](#). *PLoS Neglected Tropical Diseases*. 2018 Apr 18; 12(4): Article number e0006417.

Center for Neuropsychiatric Research

1. Wang, YJ; Hsieh, CP; Chan, MH; Chan, TY; Chen, L; Chen, HH. [Distinct effects of resveratrol on seizures and hyperexcitability induced by NMDA and 4-aminopyridine](#). *Nutritional Neuroscience*. 2018 Apr 12; Article in Press.
2. Lee, SY; Wang, TY; Chen, SL; Chang, YH; Chen, PS; Huang, SY; Tzeng, NS; Wang, LJ; Lee, IH; Chen, KC; Yang, YK; Hong, JS; Lu, RB. [Add-on memantine treatment for bipolar II disorder comorbid with alcohol dependence: A 12-week follow-up study](#). *Alcoholism, Clinical and Experimental Research*. 2018 Apr 15; Article in Press.

3. Lee, CJ; Lan, TH; Tsai, CJ. [Paliperidone palmitate treatment in a patient who with monosomy X karyotype turner syndrome later developed Schizophrenia: A case report](#). *Psychiatry and Clinical Neurosciences*. 2018 Mar 30; Article in Press.

Immunology Research Center

1. Liao, FH; Wu, TH; Huang, YT; Lin, WJ; Su, CJ; Jeng, US; Kuo, SC; Lin, SY. [Subnanometer gold clusters adhere to lipid a for protection against endotoxin-induced sepsis](#). *Nano Letters*. 2018 Apr 12; Article in Press.
2. Kuo, YP; Tsai, KN; Luo, YC; Chung, PJ; Su, YW; Teng, Y; Wu, MS; Lin, YF; Lai, CY; Chuang, TH; Dai, SS; Tseng, FC; Hsieh, CH; Tsai, DJ; Tsai, WT; Chen, CH; Yu, GY. [Establishment of a mouse model for the complete mosquito-mediated transmission cycle of Zika virus](#). *PLoS Neglected Tropical Diseases*. 2018 Apr 18; 12(4): Article number e0006417.

Pathology Core Laboratory

1. Feng, HS; Chi, CI; Chen, HC; Chang, YT; Long, CC; Chung, WC; Chung, TC; Chih, HM; Chen, LW; Chung, YH; Ying, SY; Liew, EH; John, W; Hwa, TH; Ming, JY; Ting, YC; Ling, CC; Jer, CP; Fan, LY. [Metabolic risk factors are associated with non-hepatitis B non-hepatitis C hepatocellular carcinoma in Taiwan, an endemic area of chronic hepatitis B](#). *Hepatology*

Communications. 2018 Apr; Article in Press.

NHRI Graduate Student Program

1. Lin, CHR; Tsai, JH; Wu, SS; Chang, YP; Wen, YH; Liu, JS; Lung, FW.
[Quantitative comorbidity risk assessment of dementia in Taiwan: A population-based cohort study](#). *Medicine. 2018 Apr; 97(15): Article number e0298.*