

## NHRI Publication \_ Aug 2018

### Institute of Biomedical Engineering and Nanomedicine

1. Su, CY; Lai, CC; Yeh, LK; Li, KY; Shih, BW; Tseng, CL; Fang, HW. [The characteristics of a preservative-free contact lens care solution on lysozyme adsorption and interfacial friction behavior](#). *Colloids and Surfaces B: Biointerfaces*. 2018 Nov 1; 171: 538-543.
2. Shyong, YJ; Chang, KC; Lin, FH. [Calcium phosphate particles stimulate exosome secretion from phagocytes for the enhancement of drug delivery](#). *Colloids and Surfaces B: Biointerfaces*. 2018 Nov; 171: 391-397.
3. Chakraborty, S; Ivancic, F; Solovchuk, M; Sheu, TWH. [Stability and dynamics of a chemotaxis system with deformed free-surface in a shallow chamber](#). *Physics of Fluids*. 2018 Jul; 30(7): Article number 071904.

### Institute of Biotechnology and Pharmaceutical Research

1. Wu, CC; Lee, PT; Kao, TJ; Chou, SY; Su, RY; Lee, YC; Yeh, SH; Liou, JP; Hsu, TI; Su, TP; Chuang, CK; Chang, WC; Chuang, JY. [Upregulation of Znf179 acetylation by SAHA protects cells against oxidative stress](#). *Redox Biology*. 2018 Aug 4; 19: 74-80.
2. Lee, HY; Fan, SJ; Huang, FI; Chao, HY; Hsu, KC; Lin, TE; Yeh, TK; Lai, MJ; Li, YH; Huang, HL; Yang, CR; Liou, JP. [5-aryloindoles act as selective histone deacetylase 6 inhibitors ameliorating alzheimer's disease phenotypes](#). *Journal of Medicinal Chemistry*. 2018 Aug 23; 61(16): 7087-7102.
3. Hsu, WC; Chen, MY; Hsu, SC; Huang, LR; Kao, CY; Cheng, WH; Pan, CH; Wu, MS; Yu, GY; Hung, MS; Leu, CM; Tan, TH; Su, YW. [DUSP6 mediates T cell receptor-engaged glycolysis and restrains TFH cell differentiation](#). *Proceedings of the National Academy of Sciences of the United States of America*. 2018 Aug 21; 115(34): E8027-E8036.
4. Tsai, HJ; Jiaang, WT; Shih, NY; Fletcher, JA; Lin, MJ; Yang, MY; Chen, CT; Hsu, TJ; Wu, CC; Lin, HY; Chen, LT. [BPR1J373, a novel multi-targeted kinase inhibitor, effectively suppresses the growth of gastrointestinal stromal tumor](#). *Cancer Science*. 2018 Aug 24; Article in Press.

### Institute of Cellular and Systems Medicine

1. Hsu, WT; Lin, CH; Jui, HY; Tseng, YH; Shun, CT; Hsu, MC; Wu, KK; Lee, CM. [CXCR44 antagonist reduced the incidence of acute rejection and controlled cardiac allograft vasculopathy in a swine heart transplant model receiving a mycophenolate-based immunosuppressive regimen](#). *Transplantation*. 2018 Aug 8; Article in Press.
2. Hsiao, SH; Hsu, SH. [Synthesis and characterization of dual stimuli-sensitive biodegradable polyurethane soft hydrogels for 3D cell-laden bioprinting](#). *ACS Applied Materials and Interfaces*. 2018 Aug 22; 10(35): 29273;V29287.
3. Tsai, TH; Tam, K; Chen, SF; Liou, JY; Tsai, YC; Lee, YM; Huang, TY; Shyue, SK. [Deletion of caveolin-1 attenuates LPS/GalN-induced acute liver injury in mice](#). *Journal of Cellular and Molecular Medicine*. 2018 Aug 22; Article in Press.
4. Lin, CY; Jan, YJ; Kuo, LK; Wang, BJ; Huo, C; Jiang, SS; Chen, SC; Kuo, YY; Chang, CR; Chuu, CP. [Elevation of androgen receptor promotes prostate cancer metastasis via induction of emt and reduction of kat5](#). *Cancer Science*. 2018 Aug 24; Article in Press.

### Institute of Molecular and Genomic Medicine

1. Hsu, WC; Chen, MY; Hsu, SC; Huang, LR; Kao, CY; Cheng, WH; Pan, CH; Wu, MS; Yu, GY; Hung, MS; Leu, CM; Tan, TH; Su, YW. [DUSP6 mediates T cell receptor-engaged glycolysis and restrains TFH cell differentiation](#). *Proceedings of the National Academy of Sciences of the United States of America*. 2018 Aug 21; 115(34): E8027-E8036.
2. Shen, ZQ; Huang, YL; Tsai, TF. [Cisd2 haploinsufficiency: A driving force for hepatocellular carcinoma](#). *Molecular and Cellular Oncology*. 2018 May 4; 5(3): Article number e1441627.

### Institute of Population Health Sciences

1. Hou, YC; Chang, YC; Luo, HL; Lu, KC; Chiang, PH. [Effect of mechanistic target of rapamycin inhibitors on postrenal transplantation malignancy: A nationwide cohort study](#). *Cancer Medicine*. 2018 Aug 16; Article in Press.
2. Huang, WY; Singer, DE; Wu, YL; Chiang, CE; Weng, HH; Lee, M; Ovbiagele, B. [Association of intracranial hemorrhage risk with non-vitamin K antagonist oral](#)

- [anticoagulant use vs aspirin use: A systematic review and meta-analysis](#). *JAMA Neurology*. 2018 Aug 13; Article in Press.
3. Yang, CD; Huang, HY; Shrestha, S; Chen, YH; Huang, HD; Tseng, CP. [Large-scale functional analysis of CRP-mediated feed-forward loops](#). *International Journal of Medical Sciences*. 2018 Aug 9; 19: Article number 2335.
  4. Wang, HC; Li, CR; Lo, C; Chiao, CY; Hsiao, CY; Wu, HS; Lee, MC; Liao, WC. [Effect of social support on changes in instrumental activities of daily living in older adults: A national population-based longitudinal study](#). *International Journal of Gerontology*. 2018 Jul 29; Article in Press.
  5. De Vito, R; Lee, YCA; Parpinel, M; Serraino, D; Olshan, AF; Zevallos, JP; Levi, F; Zhang, ZF; Morgenstern, H; Garavello, W; Kelsey, K; McClean, M; Schantz, S; Yu, GP; Boffetta, P; Chuang, SC; Hashibe, M; La Vecchia, C; Parmigiani, G; Edefonti, V. [Shared and study-specific dietary patterns and head and neck cancer risk in an international consortium](#). *Epidemiology*. 2018 Jul 30; Article in Press.
  6. Lu, CW; Chang, YK; Lee, YH; Kuo, CS; Chang, HH; Huang, CT; Hsu, CC; Huang, KC. [Increased risk for major depressive disorder in severely obese patients after bariatric surgery - a 12-year nationwide cohort study](#). *Annals of Medicine*. 2018 Aug 13; Article in Press.
  7. Hsu, PF; Sung, SH; Cheng, HM; Shin, SJ; Lin, KD; Chong, K; Yen, FS; Yu, BH; Huang, CT; Hsu, CC. [Cardiovascular benefits of acarbose versus sulfonylureas in type 2 diabetic patients treated with metformin](#). *Journal of Clinical Endocrinology and Metabolism*. 2018 Aug 2; Article in Press.
  8. Wu, CK; Lin, CH; Hsu, CC; Tarng, DC; Kor, CT; Chen, YC; Wu, CL; Chang, CC. [Association of early loss of primary functional patency of arteriovenous access with mortality in incident hemodialysis patients: A nationwide population-based observational study](#). *Medicine*. 2018 Aug; 97(31): Article number e11630.
  9. Kuo, KL; Hung, SC; Tseng, WC; Tsai, MT; Liu, JS; Lin, MH; Hsu, CC; Tarng, DC; System, The Taiwan Society of Nephrology Renal Registry Data. [Association of anemia and iron parameters with mortality among patients undergoing prevalent hemodialysis in Taiwan: The AIM-HD study](#). *Journal of the American Heart Association*. 2018 Aug; 7(15): Article number e009206.

10. Hsieh, TJ; Chang, HY; Wu, IC; Chen, CC; Tsai, HJ; Chiu, YF; Chuang, SC; Hsiung, CA; Hsu, CC. [Independent association between subjective cognitive decline and frailty in the elderly](#). *PLoS ONE*. 2018 Aug 2; 13(8): Article number e0201351.
11. Wang, YH; Lai, CC; Wang, CY; Wang, HC; Yu, CJ; Chen, L; Diseases, the Taiwan Clinical Trial Consortium for Respiratory. [Risks of pneumonia in COPD patients with new-onset atrial fibrillation](#). *Journal of Clinical Medicine*. 2018 Aug 21; 7(9): Article number 22.
12. Lin, YF; Lin, SL; Huang, TM; Yang, SY; Lai, TS; Chen, L; Wu, VC; Chu, TS; Wu, KD; The National Taiwan University Hospital Study Group on Acute Renal Failure(NSARF). [New-onset diabetes after acute kidney injury requiring dialysis](#). *Diabetes Care*. 2018 Aug 13; Article in Press.
13. Lin, YF; Chen, L; Lin, SL; Yeh, YC; Huang, TM; Chou, YH; Chang, FC; Chen, YT; Yang, SY; Lai, TS; Wu, VC; Chu, TS; Wu, KD; the National Taiwan University Hospital Study Group on Acute Renal Failure(NSARF) ; Taiwan Primary Aldosteronism Investigation (TAIPAI) Study Group. [Potential target-organ protection of mineralocorticoid receptor antagonist in acute kidney disease](#). *Journal of Hypertension*. 2018 Jul 30; Article in Press.
14. Chuang, SC; Lin, CH; Lu, YS; Hsiung, CA. [Association of pregnancy and mortality in women diagnosed with breast cancer: A nationwide population based study in Taiwan](#). *International Journal of Cancer*. 2018 Aug 2; Article in Press.
15. Yang, HS; Cheno, KY; Chang, HY; Chen, CY. [Drinking patterns in relation to injuries and drunk driving among community-dwelling adults in Taiwan](#). *Taiwan Journal of Public Health*. 2018 Jun 19; 37(3): 309-321.
16. Chen, FC. [China: The next pharmacy of the world?](#) *Trends in Pharmacological Sciences*. 2018 Aug 8; Article in Press.

#### **National Institute of Cancer Research**

1. Wu, MY; Yiang, GT; Cheng, PW; Chu, PY; Li, CJ. [Molecular targets in hepatocarcinogenesis and implications for therapy](#). *Journal of Clinical Medicine*. 2018 Aug 13; 7(8): Article number 213.
2. Lin, IF; Hiroya, S; Asada, K; Ayaya, S; Kumagaya, SI; Kato, M. [Vocal analysis of speech in adults with autism spectrum disorders](#). *Acoustical Science and Technology*. 2018 Mar 1;

- 39(2): 154-157.
3. Mercade, TM; Wang-Gillam, A; Chen, L; Blanc, J; Lee, K; Bodoky, G; Dean, A; Chen, J; Mirakhur, B; Siveke, J; de Jong, F. [The effect of best response to prior anticancer therapy on efficacy outcomes in the napoli-1 trial of patients with metastatic pancreatic ductal adenocarcinoma \(mPDAC\) previously treated with gemcitabine-based therapy.](#) *Annals of Oncology.* 2018 Jun; 29(Suppl. 5): Meeting Abstract P-152.
  4. Lee, K; Bodoky, G; Blanc, J; Siveke, J; Mercade, TM; Wang-Gillam, A; Chen, L; Mirakhur, B; Chen, J; de Jong, F. [Decreased appetite \(DA\) at baseline impacts prognosis in the NAPOLI-1 phase 3 study in metastatic pancreatic ductal adenocarcinoma \(mPDAC\).](#) *Annals of Oncology.* 2018 Jun; 29(Suppl. 5): Meeting Abstract P-153.
  5. Mercade, TM; Wang-Gillam, A; Chen, L; Blanc, J; Lee, K; Bodoky, G; Dean, A; Siveke, J; Mirakhur, B; Chen, J; de Jong, F. [Prognostic effect of primary tumor location in the NAPOLI-1 phase 3 study in metastatic pancreatic ductal adenocarcinoma \(mPDAC\).](#) *Annals of Oncology.* 2018 Jun; 29(Suppl. 5): Meeting Abstract P-150.
  6. Mercade, TM; Lee, K; Lakatos, G; Wang-Gillam, A; Chen, L; Mirakhur, B; De Jong, F. [Selected subgroup analyses of liposomal irinotecan \(nal-IRI\) in patients with metastatic pancreatic ductal adenocarcinoma \(mPDAC\) in the global NAPOLI-1 phase III trial.](#) *Annals of Oncology.* 2018 Jun; 29(Suppl. 5): Meeting Abstract O-004.
  7. Lakatos, G; Lee, K; Siveke, J; Blanc, J; Mercade, TM; Dean, A; Bodoky, G; Mirakhur, B; Chen, J; Wang-Gillam, A; Chen, L; de Jong, F. [Prognostic value of baseline biliary stents on outcomes in patients with metastatic pancreatic ductal adenocarcinoma \(mPDAC\) in the NAPOLI-1 trial.](#) *Annals of Oncology.* 2018 Jun; 29(Suppl. 5): Meeting Abstract P-151.
  8. Chen, TJ; He, HL; Shiue, YL; Yang, CC; Lin, LC; Tian, YF; Chen, SH. [High chloride channel accessory 1 expression predicts poor prognoses in patients with rectal cancer receiving chemoradiotherapy.](#) *International Journal of Medical Sciences.* 2018 Jul 30; 15(11): 1171-1178.
  9. Lin, SM; Ku, HY; Chang, TC; Liu, TW; Chang, CS; Hong, JH. [Outcomes for cervical cancer patients treated with radiation in high-volume and low-volume hospitals.](#) *International Journal of Radiation Oncology Biology Physics.* 2018 Sep; 102(1): 184-193.
  10. Lin, CY; Jan, YJ; Kuo, LK; Wang, BJ; Huo, C; Jiang, SS; Chen, SC; Kuo, YY; Chang, CR; Chuu, CP. [Elevation of androgen receptor promotes prostate cancer metastasis via](#)

- [induction of emt and reduction of kat5](#). *Cancer Science*. 2018 Aug 24; Article in Press.
11. Tsai, HJ; Jiaang, WT; Shih, NY; Fletcher, JA; Lin, MJ; Yang, MY; Chen, CT; Hsu, TJ; Wu, CC; Lin, HY; Chen, LT. [BPR1J373, a novel multi-targeted kinase inhibitor, effectively suppresses the growth of gastrointestinal stromal tumor](#). *Cancer Science*. 2018 Aug 24; Article in Press.

### National Institute of Environmental Health Sciences

1. Hsieh, CJ; Chang, YH; Hu, A; Chen, ML; Sun, CW; Situmorang, RF; Wu, MT; Wang, SL; group, TMICS study. [Personal care products use and phthalate exposure levels among pregnant women](#). *Science of the Total Environment*. 2019 Jan; 648: 135-143.
2. Tsai, HY; Lin, YC; Hung, MW; Huang, KC; Yang, YJ; Yu, HS. [Development of the miniaturization lighting dose sensor for multi-wavelength light system](#). 2018 *IEEE International Instrumentation and Measurement Technology Conference, I2MTC 2018*. 2018 May 14-17.
3. Lin, RT; Chang, YY; Wang, JD; Lee, LJH. [Upcoming epidemic of asbestos-related malignant pleural mesothelioma in Taiwan: A prediction of incidence in the next 30 years](#). *Journal of the Formosan Medical Association*. 2018 Jul 31; Article in Press.
4. Wu, TJ; Pan, SC; Chen, BY; Chin, WS; Guo, YL. [Different seasonal effect on asthma trajectories: A population-based birth cohort study](#). *Pediatric Allergy and Immunology*. 2018 Aug 24; Article in Press.
5. Guo, Y; Gasparrini, A; Li, S; Sera, F; Vicedo-Cabrera, AM; de Sousa Zanotti Stagliorio Coelho, M; Saldiva, PHN; Lavigne, E; Tawatsupa, B; Punnasiri, K; Overcenco, A; Correa, PM; Ortega, NV; Kan, H; Osorio, S; Jaakkola, JJK; Rytty, NRI; Goodman, PG; Zeka, A; Michelozzi, P; Scortichini, M; Hashizume, M; Honda, Y; Seposo, X; Kim, H; Tobias, A; ?iguez, C; Forsberg, B; ?str?m, DO; Guo, YL; Chen, BY; Zanobetti, A; Schwartz, J; Dang, TN; Van, DD; Bell, ML; Armstrong, B; Ebi, KL; Tong, S. [Quantifying excess deaths related to heatwaves under climate change scenarios: A multicountry time series modelling study](#). *PLoS Medicine*. 2018 Jul 31; 15(7): Article number e1002629.
6. Chen, WL; Wang, CC; Chiang, ST; Wang, YC; Sun, YS; Wu, WT; Liou, SH. [The impact of occupational psychological hazards and metabolic syndrome on the 8-year risk of](#)



[cardiovascular diseases-A longitudinal study](#). *PLoS ONE*. 2018 Aug 27; 13(8): Article number e0202977.

### National Institute of Infectious Diseases and Vaccinology

1. Hsu, WC; Chen, MY; Hsu, SC; Huang, LR; Kao, CY; Cheng, WH; Pan, CH; Wu, MS; Yu, GY; Hung, MS; Leu, CM; Tan, TH; Su, YW. [DUSP6 mediates T cell receptor-engaged glycolysis and restrains TFH cell differentiation](#). *Proceedings of the National Academy of Sciences of the United States of America*. 2018 Aug 21; 115(34): E8027-E8036.
2. Wang, HC; Hsieh, MI; Choi, PC; Wu, CJ. [Comparison of the sensititre yeastone and CLSI M38-A2 microdilution methods in determining the activity of amphotericin B, itraconazole, voriconazole, and posaconazole against Aspergillus species](#). *Journal of Clinical Microbiology*. 2018 Aug 9; Article in Press.
3. Lan, YY; Chang, FH; Tsai, JH; Chang, Y. [Epstein-Barr virus Rta promotes invasion of bystander tumor cells through paracrine of matrix metalloproteinase 9](#). *Biochemical and Biophysical Research Communications*. 2018 Aug 4; Article in Press.
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5. Fang, CY; Liu, CC. [Recent development of enterovirus a vaccine candidates for the prevention of hand, foot, and mouth disease](#). *Expert Review of Vaccines*. 2018 Aug 22; Article in Press.
6. Chen, TH; Liu, WC; Lin, CY; Liu, CC; Jan, JT; Spearman, M; Butler, M; Wu, SC. [Glycan-masking hemagglutinin antigens from stable CHO cell clones for H5N1 avian influenza vaccine development](#). *Biotechnology and Bioengineering*. 2018 Aug 6; Article in Press.

### Center for Neuropsychiatric Research

1. Wang, TY; Lee, SY; Chang, YH; Chen, SL; Chen, PS; Chu, CH; Huang, SY; Tzeng, NS; Lee, IH; Chen, KC; Yang, YK; Chen, SH; Hong, JS; Lu, RB. [Correlation of cytokines, BDNF levels, and memory function in patients with opioid use disorder undergoing methadone maintenance treatment](#). *Drug and Alcohol Dependence*. 2018 Oct 1; 191: 6-13.
2. Chen, HH; Chang, PC; Chen, CP; Chan, MH. [Protective and therapeutic activity of](#)

- [honokiol in reversing motor deficits and neuronal degeneration in the mouse model of Parkinson's disease](#). *Pharmacological Reports*. 2018 Aug; 70(4): 668-676.
- Lee, YH; Hsu, HC; Kao, PC; Shiao, YJ; Yeh, SH; Shie, FS; Hsu, SM; Yeh, CW; Liu, HK; Yang, SB; Tsay, HJ. [Augmented insulin and leptin resistance of high fat diet-fed APP<sup>swe</sup>/PS1<sup>dE9</sup> transgenic mice exacerbate obesity and glycemic dysregulation](#). *International Journal of Medical Sciences*. 2018 Aug 8; 19(8): Article number 2333.
  - Yang, HS; Cheno, KY; Chang, HY; Chen, CY. [Drinking patterns in relation to injuries and drunk driving among community-dwelling adults in Taiwan](#). *Taiwan Journal of Public Health*. 2018 Jun 19; 37(3): 309-321.

### Immunology Research Center

- Liao, KF; Chiu, TL; Huang, SY; Hsieh, TF; Chang, SF; Ruan, JW; Chen, SP; Pang, CY; Chiu, SC. [Anti-cancer effects of radix angelica sinensis \(danggui\) and n-butyridenepthalide on gastric cancer: Implications for redd1 activation and mtor inhibition](#). *Cellular Physiology and Biochemistry*. 2018 Aug 15; 48(6): 2231-2246.
- Ko, YA; Chan, YH; Liu, CH; Liang, JJ; Chuang, TH; Hsueh, YP; Lin, YL; Lin, KI. [Blimp-1-mediated pathway promotes type I IFN production in plasmacytoid dendritic cells by targeting to interleukin-1 receptor-associated kinase M](#). *Frontiers in Immunology*. 2018 Aug 7; Article in Press.
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