

NHRI Publication _ May 2019

Institute of Biomedical Engineering and Nanomedicine

1. Chang, HC; Lin, CH; Juang, DS; Wu, HW; Lee, CY; Chen, C; Hsu, CH. [Multilayer architecture microfluidic network array for combinatorial drug testing on 3D-cultured cells](#). *Biofabrication*. 2019 May 3; Article in Press.
2. Ho, SC; Chuang, KJ; Lee, KY; Chen, JK; Wu, SM; Chen, TT; Lee, CN; Chang, CC; Feng, PH; Chen, KY; Su, CL; Tsai, CY; Chuang, HC. [Chronic obstructive pulmonary disease patients have a higher risk of occurrence of pneumonia by air pollution](#). *Science of the Total Environment*. 2019 Apr 26; 677: 524-529.
3. Chen, NT; Barth, ED; Lee, TH; Chen, CT; Epel, B; Halpern, HJ; Lo, LW. [Highly sensitive electron paramagnetic resonance nanoradicals for quantitative intracellular tumor oxymetric images](#). *International Journal of Nanomedicine*. 2019 Apr; 14: 2963-2971.
4. Wu, CH; Liu, HL; Ho, CT; Hsu, PH; Fan, CH; Yeh, CK; Kang, ST; Chen, WS; Wang, FN; Peng, HH. [Monitoring of acoustic cavitation in microbubble-presented focused ultrasound exposure using gradient-echo MRI](#). *Journal of Magnetic Resonance Imaging*. 2019 May 24; Article in Press.
5. Tony Liang, HK; Lai, XS; Wei, MF; Lu, SH; Wen, WF; Kuo, SH; Chen, CM; Isaac Tseng, WY; Lin, FH. [Intratatumoral injection of thermogelling and sustained-release carboplatin-loaded hydrogel simplifies the administration and remains the synergistic effect with radiotherapy for mice gliomas \[Erratum: Biomaterials. 2017 Oct 09;151:38-52.\]](#). *Biomaterials*. 2019 Aug; 212: 126-127.

Institute of Biotechnology and Pharmaceutical Research

1. Zandi, K; Bassit, L; Amblard, F; Cox, BD; Hassandarvish, P; Moghaddam, E; Yueh, A; Libanio Rodrigues, GO; Passos, I; Costa, VV; AbuBakar, S; Zhou, L; Kohler, J; Teixeira, MM; Schinazi, RF. [Nucleoside analogs with selective antiviral activity against dengue](#)

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2. Yeh, YN; Hsin, KY; Zimmer, A; Lin, LY; Hung, MS. [A structure-function approach identifies L-PGDS as a mediator responsible for glucocorticoid-induced leptin expression in adipocytes](#). *Biochemical Pharmacology*. 2019 May 23; Article in Press.
 3. Charles, MRC; Dhayalan, A; Hsieh, HP; Coumar, MS. [Insights for the design of protein lysine methyltransferase G9a inhibitors](#). *Future Medicinal Chemistry*. 2019 May 29; Article in Press.
 4. Lin, LC; Lee, LC; Huang, C; Chen, CT; Song, JS; Shiao, YJ; Liu, HK. [Effects of boschnaloside from *Boschniakia rossica* on dysglycemia and islet dysfunction in severely diabetic mice through modulating the action of glucagon-like peptide-1](#). *Phytomedicine*. 2019 Sep; 62: Article number 152946.
 5. You, MS; Wang, WP; Wang, JY; Jiang, YJ; Chi, YH. [Sun1 mediates interkinetic nuclear migration and Notch signaling in the neurogenesis of zebrafish](#). *Stem Cells and Development*. 2019 May 29; Article in Press.

Institute of Cellular and Systems Medicine

1. Wong, CW; Han, HW; Tien, YW; Hsu, SH. [Biomaterial substrate-derived compact cellular spheroids mimicking the behavior of pancreatic cancer and microenvironment](#). *Biomaterials*. 2019 Aug; 213: Article number 119202.
2. Li, S; Suen, W; Kao, C; Yang, M; Lin, P; Yang, L. [Gasdermin A3-mediated cell death causes niche collapse and precocious activation of hair follicle stem cells](#). *Journal of Investigative Dermatology*. 2019 May; 139(5): S152.
3. Wu, YJ; Ko, BS; Liang, SM; Lu, YJ; Jan, YJ; Jiang, SS; Shyue, SK; Chen, L; Liou, JY. [ZNF479 downregulates metallothionein-1 expression by regulating ASH2L and DNMT1 in hepatocellular carcinoma](#). *Cell Death and Disease*. 2019 May 28; 10(6): Article number 408.
4. Hsu, WH; Hua, KF; Tuan, LH; Tsai, YL; Chu, LJ; Lee, YC; Wong, WT; Lee, SL; Lai, JH; Chu, CL; Ho, LJ; Chiu, HW; Hsu, YJ; Chen, CH; Ka, SM; Chen, A. [Compound K inhibits priming and mitochondria-associated activating signals of NLRP3 inflammasome in renal tubulointerstitial lesions](#). *Nephrology, Dialysis, Transplantation*. 2019 May 7;

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Institute of Molecular and Genomic Medicine

1. Yeo, WL; Heng, E; Tan, LL; Lim, YW; Lim, YH; Hoon, S; Zhao, H; Zhang, MM; Wong, FT. [Characterization of Cas proteins for CRISPR-Cas editing in streptomycetes.](#) *Biotechnology and Bioengineering.* 2019 May 15; *Article in Press.*
2. You, MS; Wang, WP; Wang, JY; Jiang, YJ; Chi, YH. [Sun1 mediates interkinetic nuclear migration and Notch signaling in the neurogenesis of zebrafish.](#) *Stem Cells and Development.* 2019 May 29; *Article in Press.*

Institute of Population Health Sciences

1. Chen, YY; Lin, YH; Huang, WC; Chueh, E; Chen, L; Yang, SY; Lin, PC; Lin, LY; Lin, YH; Wu, VC; Chu, TS; Wu, KD. [Adrenalectomy Improves the long-term risk of end-stage renal disease and mortality of primary aldosteronism.](#) *Journal of the Endocrine Society.* 2019 Jun 1; 3(6): 1110-1126.
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4. Di Credico, G; Edefonti, V; Polesel, J; Pauli, F; ... Gross, ND; Chuang, SC; Boffetta, P; Hashibe, M; Lee, YCA; Dal Maso, L. [Joint effects of intensity and duration of cigarette smoking on the risk of head and neck cancer: A bivariate spline model approach.](#) *Oral Oncology.* 2019 Jul; 94: 47-57.
5. Lin, YH; Wong, BY; Pan, YC; Chiu, YC; Lee, YH. [Validation of the mobile app-recorded circadian rhythm by a digital footprint.](#) *JMIR Mhealth Uhealth.* 2019 May 16; 7(5): *Article number e13421.*
6. Chen, YC; Chou, WH; Tsou, HH; Fang, CP; Liu, TH; Tsao, HH; Hsu, WC; Weng, YC; Wang, Y; Liu, YL. [A post-hoc study of D-Amino acid Oxidase in blood as an indicator](#)

- [of Post-stroke Dementia](#). *Frontiers in Neurology*. 2019 Apr; 10: Article number 402.
7. Huang, CW; Chiu, YW; Chen, PJ; Yu, NW; Tsai, HJ; Chang, CM. [Trends and factors in antipsychotic use of outpatients with anxiety disorders in Taiwan, 2005-2013: A population-based study](#). *Psychiatry and Clinical Neurosciences*. 2019 May 11; Article in Press.
 8. Chen, PJ; Yu, NW; Tsai, HJ; Hwang, CW; Chiu, YW; Tsay, WI; Hsu, J; Chang, CM. [Hospitalized burn injury risk associated with benzodiazepines and Z-drugs in elders: A population-based case-control study](#). *International Journal of Geriatric Psychiatry*. 2019 May 21; Article in Press.
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 10. Wang, JH; Pan, CH; Chang, IS; Hsiung, CA. [Penalized full likelihood approach to variable selection for Cox's regression model under nested case-control sampling](#). *Lifetime Data Analysis*. 2019 May 7; Article in Press.

National Institute of Cancer Research

1. Weng, CC; Hsieh, MJ; Wu, CC; Lin, YC; Shan, YS; Hung, WC; Chen, LT; Cheng, KH. [Loss of the transcriptional repressor TGIF1 results in enhanced Kras-driven development of pancreatic cancer](#). *Molecular Cancer*. 2019 May 20; 18: Article number 96.
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3. Wang, P; Deng, J; Dong, J; Liu, J; Bigio, EH; Mesulam, M; Wang, T; Sun, L; Wang, L; Lee, AY; McGee, WA; Chen, X; Fushimi, K; Zhu, L; Wu, JY. [TDP-43 induces mitochondrial damage and activates the mitochondrial unfolded protein response](#). *PLoS Genetics*. 2019 May; 15(5): Article number e1007947.
4. Kuo, TL; Cheng, KH; Chen, LT; Hung, WC. [Deciphering the potential role of hox genes in pancreatic cancer](#). *Cancers*. 2019 May 27; 11(5): Article number 734.

5. Satoh, T; Kang, YK; Chao, Y; Ryu, MH; Kato, K; Cheol Chung, H; Chen, JS; Muro, K; Ki Kang, W; Yeh, KH; Yoshikawa, T; Oh, SC; Bai, LY; Tamura, T; Lee, KW; Hamamoto, Y; Kim, JG; Chin, K; Oh, DY; Minashi, K; Cho, JY; Tsuda, M; Tanimoto, M; Chen, LT; Boku, N. [Exploratory subgroup analysis of patients with prior trastuzumab use in the ATTRACTION-2 trial: A randomized phase III clinical trial investigating the efficacy and safety of nivolumab in patients with advanced gastric/gastroesophageal junction cancer](#). *Gastric Cancer*. 2019 May 13; Article in Press.
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National Institute of Environmental Health Sciences

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3. Wen, HJ; Wang, SL; Chuang, YC; Chen, PC; Guo, YL. [Prenatal perfluorooctanoic acid exposure is associated with early onset atopic dermatitis in 5-year-old children](#). *Chemosphere*. 2019 May 16; 231: 25-31.
4. Chu, CP; Wu, SW; Huang, YJ; Chiang, MC; Hsieh, ST; Guo, YL. [Neuroimaging signatures of brain plasticity in adults with prenatal exposure to polychlorinated biphenyls: Altered functional connectivity on functional MRI](#). *Environmental Pollution*. 2019 Jul; 250: 960-968.
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National Institute of Infectious Diseases and Vaccinology

1. Hsu, SC;Lu, LC;Chan, KG;Huang, CH;Cheng, SL;Chan, YS;Yang, YH;Lai, YT;Yao, CL. [Large-scale production and directed induction of functional dendritic cells ex vivo from serum-free expanded human hematopoietic stem cells](#). *Cytotherapy*. 2019 May; Article in Press.
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4. Lee, YC; Chen, PY; Wang, JT; Chang, SC. [A study on combination of daptomycin with selected antimicrobial agents: In vitro synergistic effect of MIC value of 1 mg/L against MRSA strains](#). *BMC Pharmacology and Toxicology*. 2019 May 6; 20: Article number 25.

Center for Neuropsychiatric Research

1. Chen, LY; Chen, YL; Tsay, WI; Wu, SC; Chen, YT; Hsiao, PC; Yu, YH; Ting, TT; Chen, CY; Tu, YK; Huang, JH; Yang, HJ; Li, CY; Strong, C; Yen, CF; Yen, CF; Hsu, J; Chen, WJ. [Nonmedical prescription drug use of analgesics and sedatives/hypnotics in Taiwan: Results from the 2014 National Survey of Substance Use](#). *Preventive Medicine Reports*. 2019 Sep; 15: Article number 100900.
2. Lin, WH; Lin, CH; Hou, PH; Lan, TH. [The effect of antideementia drugs on mortality in patients with Alzheimer's disease](#). *Journal of Psychopharmacology*. 2019 May 14; Article in Press.
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