NHRI Publication [Jun 2016]

Institute of Biomedical Engineering and Nanomedicine


2. Liu, CP; Wu, TH; Lin, YL; Liu, CY; Wang, S; Lin, SY. Tailoring enzyme-like activities of gold nanoclusters by polymeric tertiary amines for protecting neurons against oxidative stress. Small. 2016 Jun; Article in Press.

3. Chen, YT; Goudar, VS; Wu, RG; Hsieh, HY; Yang, CS; Chang, HY; Lee, GB; Ho, CM; Tseng, FG. A UV-sensitive hydrogel based combinatory drug delivery chip (UV-gel-Drug Chip) for cancer cocktail drug screening. RSC Advances. 2016 Apr; 6(50): 44425-44434.


7. Li, LT; Yao, KT; Teng, SC; Sun, TP; Chen, CK; Chen, CC; Hsu, ML; Fang, HW. Injectable adipose tissue combined with stem cells for soft-tissue augmentation: A pilot study for dental applications. Journal of Dental Sciences. 2016 Jun; Article in Press.

Institute of Biotechnology and Pharmaceutical Research

1. Yao, CH; Tsai, CH; Lee, JC. Total synthesis of the naturally occurring glycosylflavone aciculatin. Journal of Natural Products. 2016 Jun 20; Article in Press.

2. Peng, HY; Cheng, YC; Hsu, YM; Wu, GH; Kuo, CC; Liou, JP; Chang, JY; Jin, SC; Shiah, SG. MPT0B098, a microtubule inhibitor, suppresses JAK2/STAT3 signaling pathway through modulation of SOCS3 stability in oral squamous cell carcinoma. PLoS ONE. 2016 Jul 1; 11(7): Article number e0158440.

3. Singh, VK; Chang, HH; Kuo, CC; Shiao, HY; Hsieh, HP; Coumar, MS. Drug

4. Wang, HY; Hsu, MK; Wang, KH; Tseng, CP; Chen, FC; Hsu, JTA. Non-small-cell lung cancer cells combat epidermal growth factor receptor tyrosine kinase inhibition through immediate adhesion-related responses. *OncoTargets and Therapy*. 2016 May 19; 9: 2961-2973.

**Institute of Cellular and Systems Medicine**

1. Peng, KY; Lee, YW; Hsu, PJ; Wang, HH; Wang, Y; Liou, JY; Hsu, SH; Wu, KK; Yen, BL. Human pluripotent stem cell (PSC)-derived mesenchymal stem cells (MSCs) show potent neurogenic capacity which is enhanced with cytoskeletal rearrangement. *Oncotarget*. 2016 Jun 11; Article in Press.

2. Wang, YF; Lee, GL; Huang, YH; Kuo, CC. sn-1,2-diacylglycerols protect against lethal endotoxemia by controlling systemic inflammation. *Immunobiology*. 2016 Jun; Article in Press.

**Institute of Molecular and Genomic Medicine**

1. Chang, CY; Chang, CP; Chakraborty, S; Wang, SW; Tseng, YK; Wang, CC. Modulating the structure and function of an aminoacyl-tRNA synthetase cofactor by biotinylation. *Journal of Biological Chemistry*. 2016 Jun 21; Article in Press.


3. You, MS; Jiang, YJ; Yuh, CH; Wang, CM; Tang, CH; Chuang, YJ; Lin, BH; Wu, JL; Hwang, SL. A sketch of the Taiwan zebrafish core facility, TZCF. *Zebrafish*. 2016 Jun 6; 13(Suppl. 1): S24-29.

**Institute of Population Health Sciences**

1. Hsiung, AC; Ying, Z; Zhang, CH. Random walk, sequential analysis and related topics: A festschrift in honor of Yuan-Shih Chow. *Random walk, sequential analysis and related topics: A festschrift in honor of Yuan-Shih Chow*.


5. Kuo, CS; Lu, CW; Chang, YK; Yang, KC; Hung, SH; Yang, MC; Chang, HH; Huang, CT; Hsu, CC; Huang, KC. Effectiveness of 23-valent pneumococcal polysaccharide vaccine on diabetic elderly. Medicine. 2016 Jun; 95(26): Article number e4064.


8. Chuang, SY; Pan, WH; Chang, HY; Wu, CI; Chen, CY; Hsu, CC. Protective effect of calcium channel blockers against frailty in older adults with hypertension. Journal of the American Geriatrics Society. 2016 Jun; 64(6): 1356-1358.

9. Wu, CF; Shen, FH; Li, YR; Tsao, TM; Tsai, MJ; Chen, CC; Huang, JS; Hsu, SHJ; Chao, H; Chuang, KJ; Chou, CCK; Wang, YN; Ho, CC; Su, TC. Association of short-term exposure to fine particulate matter and nitrogen dioxide with acute cardiovascular effects. Science of the Total Environment. 2016 Nov; 569-570: 300-305.


12. Hsu, YH; Yu, HY; Chen, HJ; Li, TC; Hsu, CC; Kao, CH. The risk of peripheral arterial disease after parathyroidectomy in patients with end-stage renal disease. PLoS ONE. 2016 Jun; 11(6): Article number e0156863.


14. Wang, HY; Hsu, MK; Wang, KH; Tseng, CP; Chen, FC; Hsu, JTA. Non-small-cell lung cancer cells combat epidermal growth factor receptor tyrosine kinase inhibition through immediate adhesion-related responses. OncoTargets and Therapy. 2016 May 19; 9: 2961-2973.

15. Lin, RT; Christiani, DC; Kawachi, I; Chan, TC; Chiang, PH; Chan, CC. Increased risk of respiratory mortality associated with the high-tech manufacturing industry: A 26-year study. International Journal of Environmental Research and Public Health. 2016 Jun 3;

17. Machiela, MJ; Zhou, W; Karlins, E; Sampson, JN; Freedman, ND; Yang, Q; Hicks, B; Dagnall, C; Hautman, C; Jacobs, KB; Chang, IS; Hsiung, CA; et al. Female chromosome X mosaicism is age-related and preferentially affects the inactivated X chromosome. Nature Communications. 2016 Jun 13; 7: Article number 11843.

18. Wang, HH; Shyu, LYI; Chang, HY; Bai, YB; Stanaway, F; Lin, JD; Li, CL. Prevalence, characteristics, and acute care utilization of disabled older adults with an absence of help for activities of daily living: Findings from a nationally representative survey. Archives of Gerontology and Geriatrics. 2016 Jun; Article in Press.

National Institute of Cancer Research

1. Li, CF; Chuang, IC; Liu, TT; Chen, KC; Chen, YY; Fang, FM; Li, SH; Chen, TJ; Yu, SC; Lan, J; Huang, HY. Transcriptomic reappraisal identifies MGLL overexpression as an unfavorable prognosticator in primary gastrointestinal stromal tumors. Oncotarget. 2016 Jun 27; Article in Press.


3. Liao, KM; Chao, TB; Tian, YF; Lin, CY; Lee, SW; Chuang, HY; Chan, TC; Chen, TJ; Hsing, CH; Sheu, MJ; Li, CF. Overexpression of the PSAT1 gene in nasopharyngeal carcinoma is an indicator of poor prognosis. Journal of Cancer. 2016 May; 7(9): 1088-1094.

4. Lo, YL; Pan, WH; Hsu, WL; Chien, YC; Chen, JY; Hsu, MM; Lou, PJ; Chen, IH; Hildesheim, A; Chen, CJ. Partial least square discriminant analysis discovered a dietary pattern inversely associated with nasopharyngeal carcinoma risk. PLoS ONE. 2016 Jun 1; 11(6): Article number e0155892.

5. Peng, HY; Cheng, YC; Hsu, YM; Wu, GH; Kuo, CC; Liou, JP; Chang, JY; Jin, SC; Shah, SG. MPT0B098, a microtubule inhibitor, suppresses JAK2/STAT3 signaling pathway through modulation of SOCS3 stability in oral squamous cell carcinoma. PLoS ONE. 2016 Jul 1; 11(7): Article number e0158440.


7. Machiela, MJ; Zhou, W; Karlins, E; Sampson, JN; Freedman, ND; Yang, Q; Hicks, B; Dagnall, C; Hautman, C; Jacobs, KB; Chang, IS; Hsiung, CA; et al. Female chromosome


9. Liu, CT; Chen, MH; Chen, JS; Chen, LT; Shan, YS; Lu, CH; Su, YL; Ku, FC; Chou, WC; Chen, YY. The efficacy and safety of everolimus for the treatment of progressive gastroenteropancreatic neuroendocrine tumors: A multi-institution observational study in Taiwan. Asia-Pacific Journal of Clinical Oncology. 2016 Jun 30; Article in Press.

National Institute of Environmental Health Sciences


2. Lee, LJH; Lin, CK; Hung, MC; Wang, JD. Impact of work-related cancers in Taiwan—Estimation with QALY (quality-adjusted life year) and healthcare costs. Preventive Medicine Reports. 2016 Dec; 4: 87-93.


4. Tsai, MH; Chang, CH; Tsai, RK; Hong, YR; Chuang, TH; Fan, KT; Peng, CW; Wu, CY; Hsu, WL; Wang, LS; Chen, LK; Yu, HS. Cross-regulation of proinflammatory cytokines by interleukin-10 and miR-155 in orientia tsutsugamushi-infected human macrophages prevents cytokine storm. Journal of Investigative Dermatology. 2016 Jul; 136(7): 1398-1407.

5. Wang, LT; Chiou, SS; Chai, CY; Hsi, E; Wang, SN; Huang, SK; Hsu, SH. Aryl hydrocarbon receptor regulates histone deacetylase 8 expression to repress tumor suppressive activity in hepatocellular carcinoma. Oncotarget. 2016 Jun 6; Article in Press.

6. Chiu, HW; Yeh, YL; Wang, YC; Huang, WJ; Ho, SY; Lin, PP; Wang, YJ. Combination of the novel histone deacetylase inhibitor YCW1 and radiation induces autophagic cell death through the downregulation of BNIP3 in triple-negative breast cancer cells in vitro and in an orthotopic mouse model. Molecular Cancer. 2016 Jun 10; 15(1): Article number 46.

7. Kuo, CH; Yang, SN; Kuo, HF; Lee, MS; Huang, MY; Huang, SK; Lin, YC; Hsieh, CC; Hung, CH. Cysteinyl leukotriene receptor antagonist epigenetically modulates cytokine expression and maturation of human myeloid dendritic cells. Pulmonary Pharmacology and Therapeutics. 2016 Aug; 39: 28-37.

9. Friesen, MC; Lan, Q; Ge, C; Locke, SJ; Hosgood, D; Fritschi, L; Sadkowsky, T; Chen, YC; Wei, H; Xu, J; Lam, TH; Kwong, YL; Chen, K; Xu, C; Su, YC; Chiu, BC; Ip, KM; Purdue, MP; Bassig, BA; Rothman, N; Vermeulen, R. *Evaluation of automatically assigned job-specific interview modules*. Annals of Occupational Hygiene. 2016 Jun 1; Article in Press.

10. Hsu, CY; Lin, MY; Chiang, HC; Chen, MJ; Lin, TY; Chen, YC. *Using a mobile measurement to characterize number, surface area, and mass concentrations of ambient fine particles with spatial variability during and after a PM episode*. Aerosol and Air Quality Research. 2016 Jun; 16(6): 1416-1426.

**National Institute of Infectious Diseases and Vaccinology**


**Center for Neuropsychiatric Research**

1. Peng, KY; Lee, YW; Hsu, PJ; Wang, HH; Wang, Y; Liou, JY; Hsu, SH; Wu, KK; Yen, BL. *Human pluripotent stem cell (PSC)-derived mesenchymal stem cells (MSCs) show potent neurogenic capacity which is enhanced with cytoskeletal rearrangement*. Oncotarget. 2016 Jun 11; Article in Press.

2. Chang, TT; Chen, SL; Chang, YH; Chen, PS; Chu, CH; Chen, SH; Huang, SY; Tzeng, NS; Wang, LJ; Wang, TY; Li, CL; Chung, YL; Hsieh, TH; Lee, IH; Chen, KC; Yang, YK; Hong, JS; Lu, RB; Lee, SY. *The DRD3 Ser9Gly polymorphism predicted metabolic change in drug-naive patients with bipolar II disorder*. Medicine. 2016 Jun; 95(24): Article number e3488.

3. Wang, TY; Lee, SY; Chen, SL; Chang, YH; Wang, LJ; Chen, PS; Chen, SH; Chu, CH; Huang, SY; Tzeng, NS; Li, CL; Chung, YL; Hsieh, TH; Lee, IH; Chen, KC; Yang, YK; Hong, JS; Lu, RB. *Comparing clinical responses and the biomarkers of BDNF and cytokines between subthreshold bipolar disorder and bipolar II disorder*. Scientific Reports. 2016 Jun; 6: Article number 27431.

4. Lin, JC; Lee, MY; Chan, MH; Chen, YC; Chen, HH. *Betaine enhances antidepressant-like, but blocks psychotomimetic effects of ketamine in mice*. Psychopharmacology. 2016 Jun 30; Article in Press.

5. Lin, JC; Chan, MH; Lee, MY; Chen, YC; Chen, HH. *N,N-dimethylglycine differentially


**Immunology Research Center**

1. Tsai, MH; Chang, CH; Tsai, RK; Hong, YR; Chuang, TH; Fan, KT; Peng, CW; Wu, CY; Hsu, WL; Wang, LS; Chen, LK; Yu, HS. Cross-regulation of proinflammatory cytokines by interleukin-10 and miR-155 in orientia tsutsugamushi-infected human macrophages prevents cytokine storm. *Journal of Investigative Dermatology*. 2016 Jul; 136(7): 1398-1407.

2. Ho, CH; Chuang, HC; Wu, IC; Tsai, HW; Lin, YJ; Sun, HY; Young, KC; Chiu, YC; Cheng, PN; Liu, WC; Tan, TH; Chang, TT. Prediction of early hepatocellular carcinoma recurrence using germinal center kinase-like kinase. *Oncotarget*. 2016 Jun 20; Article in Press.