

NHRI Publication [NOV 2017]

Institute of Biomedical Engineering and Nanomedicine

1. Chen, YF; Yuan, A; Cho, KH; Lu, YC; Kuo, MY; Chen, JH; Chang, YC. [Functional evaluation of therapeutic response of HCC827 lung cancer to bevacizumab and erlotinib targeted therapy using dynamic contrast-enhanced and diffusion-weighted MRI](#). *PLoS ONE*. 2017 Nov 9; 12(11): Article number e0187824.
2. hFang, SB; Huang, CJ; Huang, CH; Wang, KC; Chang, NW; Pan, HY; Fang, HW; Huang, MT; Chen, CK. [speG is required for intracellular replication of salmonella in various human cells and affects its polyamine metabolism and global transcriptomes](#). *Frontiers in Microbiology*. 2017 Nov; 8: Article number 2245.
3. Su, CY; Fang, T; Fang, HW. [Effects of electrostatic field on osteoblast cells for bone regeneration applications](#). *Biomed Research International*. 2017; 2017: Article number 7124817.
4. Tsuang, FY; Hsieh, YY; Kuo, YJ; Chen, CH; Lin, FH; Chen, CS; Chiang, CJ. [Assessment of the suitability of biodegradable rods for use in posterior lumbar fusion: An in-vitro biomechanical evaluation and finite element analysis](#). *PLoS ONE*. 2017 Nov 16; 12(11): Article number e0188034.
5. Lee, YF; Lin, CC; Cheng, JS; Chen, GS. [An ultrasonic tool for nerve conduction block in diabetic rat models](#). *Journal of Visualized Experiments: JoVE*. 2017 Oct 20(128): Article number e55675.
6. Su, CY; Kuo, CW; Fang, HW. [Rapid analyses of polyetheretherketone wear characteristics by accelerated wear testing with microfabricated surfaces for artificial joint systems](#). *BioMed Research International*. 2017 Nov 2; 2017: Article number 5979564.
7. Su, CF; Chang, LH; Kao, CY; Lee, DC; Cho, KH; Kuo, LW; Chang, H; Wang, YH; Chiu, IM. [Application of amniotic fluid stem cells in repairing sciatic nerve injury in minipigs](#). *Brain Research*. 2018 Nov 15; 1678: 397-406.

Institute of Biotechnology and Pharmaceutical Research

1. Chen, HH; Chang, HH; Chang, JY; Tang, YC; Cheng, YC; Lin, LM; Cheng, SY; Huang, CH; Sun, MW; Chen, CT; Kuo, CC. [Enhanced B-Raf-mediated NRF2 gene transcription and HATs-mediated NRF2 protein acetylation contributes to ABCC1-mediated chemoresistance and glutathione-mediated survival in acquired topoisomerase II poison-resistant cancer cells](#). *Free Radical Biology and Medicine*. 2017 Dec; 113: 505-518.

Institute of Cellular and Systems Medicine

1. Huang, CT; Shrestha, LK; Ariga, K; Hsu, SH. [A graphene-polyurethane composite hydrogel as a potential bioink for 3D bioprinting and differentiation of neural stem cells](#). *Journal of Materials Chemistry B*. 2017 Nov; 5(44): 8854-8864.
2. Chuu, CP; Tseng, JC; Su, LC; Yang, SD. [Non-Canonical Wnt receptor ROR2 suppresses prostate cancer metastasis](#). *Annals of Oncology*. 2017 Oct; 28(Suppl. 9): Meeting Abstract P1-284.
3. Han, HW; Hsu, SH. [Using 3D bioprinting to produce mini-brain](#). *Neural Regeneration Research*. 2017 Oct; 12(10): 1595-1596.
4. Su, CF; Chang, LH; Kao, CY; Lee, DC; Cho, KH; Kuo, LW; Chang, H; Wang, YH; Chiu, IM. [Application of amniotic fluid stem cells in repairing sciatic nerve injury in minipigs](#). *Brain Research*. 2018 Nov 15; 1678: 397-406.

Institute of Molecular and Genomic Medicine

1. Lai, KP; Li, JW; Hsu, CH; You, MS; Chan, TF; Tse, WKF; Jiang, YJ. [Comparative transcriptomic characterization of a new mib mutant allele, mibnn2002, in zebrafish](#). *Gene*. 2018 Feb; 642: 51-57.
2. Kwong, EML; Ho, JCH; Lau, MCC; You, MS; Jiang, YJ; Tse, WKF. [Restoration of polr1c in early embryogenesis rescues the Type 3 Treacher Collins Syndrome facial malformation phenotype in zebrafish](#). *American Journal of Pathology*. 2017 Nov 8; Article in Press.
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Institute of Population Health Sciences

1. Lung, FW; Chiang, TL; Lin, SJ; Lee, MC; Shu, BC. [Assisted reproductive technology has no association with autism spectrum disorders: The Taiwan Birth Cohort Study](#). *Autism*. 2017 Mar 1; 1: Article number 1362361317690492.
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National Institute of Cancer Research

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3. Chen, YL; Chen, PM; Ming, YZ; Lin, PY; Chu, CP; Chu, PY. [Phosphorylated AKT expression in tumor-adjacent normal tissue is associated with poor prognosis in patients with hepatocellular carcinoma](#). *Oncology Letters*. 2017 Oct 4; 14(6): 7461-7466.
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National Institute of Environmental Health Sciences

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4. Wang, HC; Huang, JC; Lin, YH; Chen, YH; Hsieh, MI; Choi, PC; Lo, HJ; Liu, WL; Hsu, CS; Shih, HI; Wu, CJ; Chen, YC. [Prevalence, mechanisms, and genetic relatedness of the human pathogenic fungus *Aspergillus fumigatus* exhibiting resistance to medical azoles in the environment of Taiwan](#). *Environmental Microbiology*. 2017 Nov 10; Article in Press.

Center for Neuropsychiatric Research

1. Chao, PC; Chien, WC; Chung, CH; Chu, CW; Yeh, CB; Huang, SY; Lu, RB; Chang, HA; Kao, YC; Yeh, HW; Chiang, WS; Chou, YC; Tzeng, NS. [Cognitive enhancers associated with decreased risk of injury in patients with dementia: A nationwide cohort study in Taiwan](#). *Journal of Investigative Medicine*. 2017 Nov 14; Article in Press.
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Immunology Research Center

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