

# Hualien

Department of Neurosurgery, Hualien Tzu Chi Hospital, Hualien, [Taiwan](#).

---

Shinn-Zong Lin

---

Hsu CT, Chiu CC, Hsiao PY, Lin CY, Cheng S, Lin YC, Yang YL, Wu FH, Harn HJ, Lin SZ, Lin CS. Transgene-free CRISPR-/Cas9-mediated gene editing through protoplast-to-plant regeneration enhances active compounds in *Salvia miltiorrhiza*. *Plant Biotechnol J*. 2024 Jan 4. doi: 10.1111/pbi.14285. Epub ahead of print. PMID: 38174833.

---

Ho TJ, Goswami D, Kuo WW, Kuo CH, Yen SC, Lin PY, Lin SZ, Hsieh DJ, Shibu MA, Huang CY. *Artemisia argyi* exhibits anti-aging effects through decreasing the senescence in aging stem cells. *Aging (Albany NY)*. 2022 Aug 9;14(undefined). doi: 10.18632/aging.204210. Epub ahead of print. PMID: 35951373.

---

Chen YH, Li PC, Yang YC, Wang JH, Lin SZ, Ding DC. Association of [laparoscopy](#) and [laparotomy](#) with adverse fetal outcomes: a retrospective population-based case-control study. *Surg Endosc*. 2020 Oct 13. doi: 10.1007/s00464-020-08094-2. Epub ahead of print. PMID: 33048230.

---

Tsai ST, Harn HJ, Lin SZ, Tseng GF, Chen SY. Deep Brain Stimulation for Amelioration of Cognitive Impairment in Neurological Disorders: [Neurogenesis](#) and Circuit Reanimation. *Cell Transplant*. 2018 Oct 9:963689718804144. doi: 10.1177/0963689718804144. [Epub ahead of print] PubMed PMID: 30298752.

1: Ding DC, Tsai IJ, Hsu CY, Wang JH, Lin SZ, Sung FC. Risk of hypertension after [hysterectomy](#): A population-based study. *BJOG*. 2018 Jun 28. doi: 10.1111/1471-0528.15389. [Epub ahead of print] PubMed PMID: 29953717.

2: Hsu WC, Yu CH, Kung WM, Huang KF. Enhancement of matrix metalloproteinases 2 and 9 accompanied with neurogenesis following collagen glycosaminoglycan matrix implantation after surgical brain injury. *Neural Regen Res*. 2018 Jun;13(6):1007-1012. doi: 10.4103/1673-5374.233443. PubMed PMID: 29926827.

3: Chang CY, Ting HC, Liu CA, Su HL, Chiou TW, Harn HJ, Lin SZ. Induced Pluripotent Stem Cells: A Powerful Neurodegenerative Disease Modeling Tool for Mechanism Study and Drug Discovery. *Cell Transplant*. 2018 Jan 1:963689718775406. doi: 10.1177/0963689718775406. [Epub ahead of print] PubMed PMID: 29890847.

4: Lee CH, Tsai ST, Chiu TL. Superficial temporal artery-middle cerebral artery bypass for the treatment of complex middle cerebral artery aneurysms. *Ci Ji Yi Xue Za Zhi*. 2018 Apr-

Jun;30(2):110-115. doi: 10.4103/tcmj.tcmj\_193\_17. PubMed PMID: 29875592; PubMed Central PMCID: PMC5968738.

5: Fan HC, Chi CS, Lee YJ, Tsai JD, Lin SZ, Harn HJ. The Role of Gene Editing in Neurodegenerative Diseases. *Cell Transplant*. 2018 Mar;27(3):364-378. doi: 10.1177/0963689717753378. Epub 2018 May 16. PubMed PMID: 29766738.

6: Chi K, Fu RH, Huang YC, Chen SY, Hsu CJ, Lin SZ, Tu CT, Chang LH, Wu PA, Liu SP. Adipose-derived Stem Cells Stimulated with n-Butyrylideneephthalide Exhibit Therapeutic Effects in a Mouse Model of Parkinson's Disease. *Cell Transplant*. 2018 Mar;27(3):456-470. doi: 10.1177/0963689718757408. Epub 2018 May 14. PubMed PMID: 29756519.

7: Lee SC, Hu CK, Hung JH, Yang AC, Tsai SJ, Huang MW, Hu LY, Shen CC. Risk of sexual transmitted infection following bipolar disorder: a nationwide population-based cohort study. *Oncotarget*. 2018 Apr 3;9(25):17533-17542. doi: 10.18632/oncotarget.24780. eCollection 2018 Apr 3. PubMed PMID: 29707127; PubMed Central PMCID: PMC5915135.

8: Chang YH, Wu KC, Harn HJ, Lin SZ, Ding DC. Exosomes and Stem Cells in Degenerative Disease Diagnosis and Therapy. *Cell Transplant*. 2018 Mar;27(3):349-363. doi: 10.1177/0963689717723636. Epub 2018 Apr 25. PubMed PMID: 29692195.

9: Lin JG, Lin SZ, Lin LH, Wu CC, Tsai WT, Harn HJ, Su LH, Ho WY, Hsieh CJ, Ho TJ. Effects of Moxibustion on the Levels of Insulin-Like Growth Factor 1: A Pilot Study. *Cell Transplant*. 2018 Mar;27(3):551-556. doi: 10.1177/0963689717724795. Epub 2018 Apr 25. PubMed PMID: 29692183.

10: Liu CW, Lin YC, Hung CM, Liu BL, Kuo SC, Ho CT, Way TD, Hung CH. CHM-1, a novel microtubule-destabilizing agent exhibits antitumor activity via inducing the expression of SIRT2 in human breast cancer cells. *Chem Biol Interact*. 2018 Jun 1;289:98-108. doi: 10.1016/j.cbi.2018.04.007. Epub 2018 Apr 18. PubMed PMID: 29679549.

11: Ding DC, Tsai IJ, Hsu CY, Wang JH, Lin SZ. Hysterectomy is associated with higher risk of coronary artery disease: A nationwide retrospective cohort study in Taiwan. *Medicine (Baltimore)*. 2018 Apr;97(16):e0421. doi: 10.1097/MD.00000000000010421. PubMed PMID: 29668602; PubMed Central PMCID: PMC5916687.

12: Liu CA, Chang CY, Hsueh KW, Su HL, Chiou TW, Lin SZ, Harn HJ. Migration/Invasion of Malignant Gliomas and Implications for Therapeutic Treatment. *Int J Mol Sci*. 2018 Apr 8;19(4). pii: E1115. doi: 10.3390/ijms19041115. Review. PubMed PMID: 29642503; PubMed Central PMCID: PMC5979613.

13: Wen TC, Li YS, Rajamani K, Harn HJ, Lin SZ, Chiou TW. Effect of Cinnamomum osmophloeum Kanehira Leaf Aqueous Extract on Dermal Papilla Cell Proliferation and Hair Growth. *Cell Transplant*. 2018 Feb;27(2):256-263. doi: 10.1177/0963689717741139. PubMed PMID: 29637818; PubMed Central PMCID: PMC5898689.

14: Chen SL, Fu RH, Liao SF, Liu SP, Lin SZ, Wang YC. A PEG-Based Hydrogel for Effective Wound Care Management. *Cell Transplant*. 2018 Feb;27(2):275-284. doi: 10.1177/0963689717749032. PubMed PMID: 29637814; PubMed Central PMCID: PMC5898694.

15: Li T, Lee M, Tsai F, Chen Y, Lin Y, Chen M. Proteomic study revealed antipsychotics-induced nuclear protein regulations in B35 cells are similar to the regulations in C6 cells and rat cortex. *BMC Pharmacol Toxicol*. 2018 Mar 7;19(1):9. doi: 10.1186/s40360-018-0199-0. PubMed PMID: 29514709; PubMed Central PMCID: PMC5842604.

- 16: Ding DC, Tsai IJ, Wang JH, Lin SZ, Sung FC. Coronary artery disease risk in young women with polycystic ovary syndrome. *Oncotarget*. 2018 Jan 4;9(9):8756-8764. doi: 10.18632/oncotarget.23985. eCollection 2018 Feb 2. PubMed PMID: 29492235; PubMed Central PMCID: PMC5823557.
- 17: Lee CH, Luo CB. Pseudoaneurysm of the basilar artery presenting with epistaxis. *Br J Neurosurg*. 2018 Feb 27;1-2. doi: 10.1080/02688697.2018.1445197. [Epub ahead of print] PubMed PMID: 29484908.
- 18: Harnod T, Lin CL, Kao CH. Prevalence of suicide attempts and their risk factors in school-aged patients with epilepsy: a population-based study. *Eur Child Adolesc Psychiatry*. 2018 Feb 2. doi: 10.1007/s00787-018-1118-z. [Epub ahead of print] PubMed PMID: 29396711.
- 19: Tsai CW, Tsai RT, Liu SP, Chen CS, Tsai MC, Chien SH, Hung HS, Lin SZ, Shyu WC, Fu RH. Neuroprotective Effects of Betulin in Pharmacological and Transgenic *Caenorhabditis elegans* Models of Parkinson's Disease. *Cell Transplant*. 2017 Dec;26(12):1903-1918. doi: 10.1177/0963689717738785. PubMed PMID: 29390878; PubMed Central PMCID: PMC5802634.
- 20: Fan HC, Chi CS, Chang YK, Tung MC, Lin SZ, Harn HJ. The Molecular Mechanisms of Plant-Derived Compounds Targeting Brain Cancer. *Int J Mol Sci*. 2018 Jan 30;19(2). pii: E395. doi: 10.3390/ijms19020395. Review. PubMed PMID: 29385679; PubMed Central PMCID: PMC5855617.
- 21: Ting HC, Chang CY, Lu KY, Chuang HM, Tsai SF, Huang MH, Liu CA, Lin SZ, Harn HJ. Targeting Cellular Stress Mechanisms and Metabolic Homeostasis by Chinese Herbal Drugs for Neuroprotection. *Molecules*. 2018 Jan 28;23(2). pii: E259. doi: 10.3390/molecules23020259. Review. PubMed PMID: 29382106.
- 22: Harnod T, Lin CL, Kao CH. Risk of Suicide Attempt in Poststroke Patients: A Population-Based Cohort Study. *J Am Heart Assoc*. 2018 Jan 10;7(2). pii: e007830. doi: 10.1161/JAHA.117.007830. PubMed PMID: 29321162; PubMed Central PMCID: PMC5850170.
- 23: Lin SH, Lai HY, Lo YC, Chou C, Chou YT, Yang SH, Sun I, Chen BW, Wang CF, Liu GT, Jaw FS, Chen SY, Chen YY. Decreased Power but Preserved Bursting Features of Subthalamic Neuronal Signals in Advanced Parkinson's Patients under Controlled Desflurane Inhalation Anesthesia. *Front Neurosci*. 2017 Dec 12;11:701. doi: 10.3389/fnins.2017.00701. eCollection 2017. PubMed PMID: 29311782; PubMed Central PMCID: PMC5733027.
- 24: Harnod T, Lin CL, Kao CH. Evaluating clinical risk factors for suicide attempts in patients with epilepsy. *J Affect Disord*. 2018 Mar 15;229:79-84. doi: 10.1016/j.jad.2017.12.048. Epub 2017 Dec 29. PubMed PMID: 29306696.
- 25: Lai SW, Huang BR, Liu YS, Lin HY, Chen CC, Tsai CF, Lu DY, Lin C. Differential Characterization of Temozolomide-Resistant Human Glioma Cells. *Int J Mol Sci*. 2018 Jan 2;19(1). pii: E127. doi: 10.3390/ijms19010127. PubMed PMID: 29301329; PubMed Central PMCID: PMC5796076.
- 26: Hsieh J, Liu JW, Harn HJ, Hsueh KW, Rajamani K, Deng YC, Chia CM, Shyu WC, Lin SZ, Chiou TW. Human Olfactory Ensheathing Cell Transplantation Improves Motor Function in a Mouse Model of Type 3 Spinocerebellar Ataxia. *Cell Transplant*. 2017 Oct;26(10):1611-1621. doi: 10.1177/0963689717732578. PubMed PMID: 29251109; PubMed Central PMCID: PMC5753984.
- 27: Wang GC, Wu SW. Spinal intramedullary tuberculoma following pulmonary tuberculosis: A case report and literature review. *Medicine (Baltimore)*. 2017 Dec;96(49):e8673. doi: 10.1097/MD.0000000000008673. Review. PubMed PMID: 29245227; PubMed Central PMCID: PMC5728842.

- 28: Chen JC, Koo M, Hwang JH. Tinnitus Is Associated with a Higher Risk of Benign Brain Tumors: A Nationwide, Population-Based Secondary Cohort Study of Young and Middle-Aged Adults. *Neuroepidemiology*. 2017;49(3-4):174-178. doi: 10.1159/000481991. Epub 2017 Nov 30. PubMed PMID: 29190632.
- 29: Chen CM, Hsieh SC, Lin CL, Lin YS, Tsai JP, Hsieh YH. Alpha-Mangostin Suppresses the metastases of Human Renal Carcinoma Cells by Targeting MEK/ERK Expression and MMP-9 Transcription Activity. *Cell Physiol Biochem*. 2017;44(4):1460-1470. doi: 10.1159/000485582. Epub 2017 Dec 1. PubMed PMID: 29190630.
- 30: Hung CM, Liu LC, Ho CT, Lin YC, Way TD. Pterostilbene Enhances TRAIL-Induced Apoptosis through the Induction of Death Receptors and Downregulation of Cell Survival Proteins in TRAIL-Resistance Triple Negative Breast Cancer Cells. *J Agric Food Chem*. 2017 Dec 27;65(51):11179-11191. doi: 10.1021/acs.jafc.7b02358. Epub 2017 Dec 15. PubMed PMID: 29164887.
- 31: Lee TM, Lin SZ, Chang NC. Nicorandil regulates the macrophage skewing and ameliorates myofibroblasts by inhibition of RhoA/Rho-kinase signalling in infarcted rats. *J Cell Mol Med*. 2018 Feb;22(2):1056-1069. doi: 10.1111/jcmm.13130. Epub 2017 Nov 9. PubMed PMID: 29119680; PubMed Central PMCID: PMC5783972.
- 32: Cheng MF, Lin SR, Tseng FJ, Huang YC, Tsai MJ, Fu YS, Weng CF. The autophagic inhibition oral squamous cell carcinoma cancer growth of 16-hydroxy-cleroda-3,14-diene-15,16-olide. *Oncotarget*. 2017 Jul 4;8(45):78379-78396. doi: 10.18632/oncotarget.18987. eCollection 2017 Oct 3. PubMed PMID: 29108236; PubMed Central PMCID: PMC5667969.
- 33: Huang YS, Koo M, Chen JC, Hwang JH. The association between tinnitus and the risk of ischemic cerebrovascular disease in young and middle-aged patients: A secondary case-control analysis of a nationwide, population-based health claims database. *PLoS One*. 2017 Nov 2;12(11):e0187474. doi: 10.1371/journal.pone.0187474. eCollection 2017. PubMed PMID: 29095920; PubMed Central PMCID: PMC5667787.
- 34: Hsin YL, Harnod T, Chang CS, Peng SJ. Increase in gray matter volume and white matter fractional anisotropy in the motor pathways of patients with secondarily generalized neocortical seizures. *Epilepsy Res*. 2017 Nov;137:61-68. doi: 10.1016/j.eplepsyres.2017.09.011. Epub 2017 Sep 20. PubMed PMID: 28950219.
- 35: Chang CH, Chen SY, Tsai ST, Tsai HC. Compulsive skin-picking behavior after deep brain stimulation in a patient with refractory obsessive-compulsive disorder: A case report. *Medicine (Baltimore)*. 2017 Sep;96(36):e8012. doi: 10.1097/MD.0000000000008012. PubMed PMID: 28885367.
- 36: Chen TM, Huang YT, Wang GC. Outcome of colon cancer initially presenting as colon perforation and obstruction. *World J Surg Oncol*. 2017 Aug 25;15(1):164. doi: 10.1186/s12957-017-1228-y. PubMed PMID: 28841901; PubMed Central PMCID: PMC5574146.
- 37: Huang BR, Chen TS, Bau DT, Chuang IC, Tsai CF, Chang PC, Lu DY. EGFR is a pivotal regulator of thrombin-mediated inflammation in primary human nucleus pulposus culture. *Sci Rep*. 2017 Aug 17;7(1):8578. doi: 10.1038/s41598-017-09122-3. PubMed PMID: 28819180; PubMed Central PMCID: PMC5561020.
- 38: Wang GC, Chen KP, Chiu TL, Su CF. Treating intracranial dural arteriovenous fistulas with gamma knife radiosurgery: A single-center experience. *Ci Ji Yi Xue Za Zhi*. 2017 Jan-Mar;29(1):18-23. doi: 10.4103/tcmj.tcmj\_4\_17. PubMed PMID: 28757759; PubMed Central PMCID: PMC5509183.

- 39: Chen JC, Hwang JH. Effects of caffeine on cell viability and activity of histone deacetylase 1 and histone acetyltransferase in glioma cells. *Ci Ji Yi Xue Za Zhi*. 2016 Jul-Sep;28(3):103-108. doi: 10.1016/j.tcmj.2016.06.005. Epub 2016 Aug 1. PubMed PMID: 28757735; PubMed Central PMCID: PMC5442913.
- 40: Su CF, Liu DW, Lee CC, Chiu TL. Volume-staged gamma knife surgery for the treatment of large skull base meningioma surrounding the optical apparatus: A snowman-shape design. *J Chin Med Assoc*. 2017 Nov;80(11):697-704. doi: 10.1016/j.jcma.2017.03.011. Epub 2017 Jul 24. PubMed PMID: 28751167.
- 41: Lin SR, Fu YS, Tsai MJ, Cheng H, Weng CF. Natural Compounds from Herbs that can Potentially Execute as Autophagy Inducers for Cancer Therapy. *Int J Mol Sci*. 2017 Jul 1;18(7). pii: E1412. doi: 10.3390/ijms18071412. Review. PubMed PMID: 28671583; PubMed Central PMCID: PMC5535904.
- 42: Tsai MJ, Huang CT, Huang YS, Weng CF, Shyue SK, Huang MC, Liou DY, Lin YR, Cheng CH, Kuo HS, Lin Y, Lee MJ, Huang WH, Huang WC, Cheng H. Improving the regenerative potential of olfactory ensheathing cells by overexpressing prostacyclin synthetase and its application in spinal cord repair. *J Biomed Sci*. 2017 May 25;24(1):34. doi: 10.1186/s12929-017-0340-1. PubMed PMID: 28545516; PubMed Central PMCID: PMC5444105.
- 43: Chen YW, Li CH, Yang CD, Liu CH, Chen CH, Sheu JJ, Lin SK, Chen AC, Chen PK, Chen PL, Yeh CH, Chen JR, Hsiao YJ, Lin CH, Hsu SP, Chen TS, Sung SF, Yu SC, Muo CH, Wen CP, Sung FC, Jeng JS, Hsu CY; Taiwan Stroke Registry Investigators. Low cholesterol level associated with severity and outcome of spontaneous intracerebral hemorrhage: Results from Taiwan Stroke Registry. *PLoS One*. 2017 Apr 19;12(4):e0171379. doi: 10.1371/journal.pone.0171379. eCollection 2017. PubMed PMID: 28422955; PubMed Central PMCID: PMC5396870.
- 44: Chen SL, Fu RH, Liao SF, Liu SP, Lin SZ, Wang YC. A PEG-based hydrogel for effective wound care management. *Cell Transplant*. 2017 Mar 27. doi: 10.3727/096368917x695380. [Epub ahead of print] PubMed PMID: 28387176.
- 45: Kuo CC, Su HL, Chang TL, Chiang CY, Sheu ML, Cheng FC, Chen CJ, Sheehan J, Pan HC. Prevention of Axonal Degeneration by Perineurium Injection of Mitochondria in a Sciatic Nerve Crush Injury Model. *Neurosurgery*. 2017 Mar 1;80(3):475-488. doi: 10.1093/neuros/nyw090. PubMed PMID: 28362972.
- 46: Wang GC, Harnod T, Chiu TL, Chen KP. Effect of an Anterior Cingulotomy on Pain, Cognition, and Sensory Pathways. *World Neurosurg*. 2017 Jun;102:593-597. doi: 10.1016/j.wneu.2017.03.053. Epub 2017 Mar 22. PubMed PMID: 28342924.
- 47: Harnod T, Wang YC, Lin CL, Tseng CH. High risk of developing subsequent epilepsy in patients with sleep-disordered breathing. *PLoS One*. 2017 Mar 14;12(3):e0173491. doi: 10.1371/journal.pone.0173491. eCollection 2017. PubMed PMID: 28291799; PubMed Central PMCID: PMC5349663.
- 48: Rajamani K, Liu JW, Wu CH, Chiang IT, You DH, Lin SY, Hsieh DK, Lin SZ, Harn HJ, Chiou TW. n-Butylidenephthalide exhibits protection against neurotoxicity through regulation of tryptophan 2, 3 dioxygenase in spinocerebellar ataxia type 3. *Neuropharmacology*. 2017 May 1;117:434-446. doi: 10.1016/j.neuropharm.2017.02.014. Epub 2017 Feb 20. PubMed PMID: 28223212.
- 49: Yen SY, Chuang HM, Huang MH, Lin SZ, Chiou TW, Harn HJ. n-Butylidenephthalide Regulated Tumor Stem Cell Genes EZH2/AXL and Reduced Its Migration and Invasion in Glioblastoma. *Int J Mol Sci*. 2017 Feb 10;18(2). pii: E372. doi: 10.3390/ijms18020372. PubMed PMID: 28208648; PubMed

Central PMCID: PMC5343907.

50: Lee TM, Chang NC, Lin SZ. Dapagliflozin, a selective SGLT2 Inhibitor, attenuated cardiac fibrosis by regulating the macrophage polarization via STAT3 signaling in infarcted rat hearts. *Free Radic Biol Med.* 2017 Mar;104:298-310. doi: 10.1016/j.freeradbiomed.2017.01.035. Epub 2017 Jan 26. PubMed PMID: 28132924.

51: Lee TM, Harn HJ, Chiou TW, Chuang MH, Chen CH, Lin PC, Lin SZ. Targeting the pathway of GSK-3 $\beta$ /nerve growth factor to attenuate post-infarction arrhythmias by preconditioned adipose-derived stem cells. *J Mol Cell Cardiol.* 2017 Mar;104:17-30. doi: 10.1016/j.yjmcc.2017.01.014. Epub 2017 Jan 24. PubMed PMID: 28130118.

52: Lee TM, Lin SZ, Chang NC. Effect of lithium on ventricular remodelling in infarcted rats via the Akt/mTOR signalling pathways. *Biosci Rep.* 2017 Mar 27;37(2). pii: BSR20160257. doi: 10.1042/BSR20160257. Print 2017 Apr 28. PubMed PMID: 28115595; PubMed Central PMCID: PMC5469250.

53: Chen CM, Lin CL, Chiou HL, Hsieh SC, Lin CL, Cheng CW, Hung CH, Tsai JP, Hsieh YH. Loss of endothelial cell-specific molecule 1 promotes the tumorigenicity and metastases of prostate cancer cells through regulation of the TIMP-1/MMP-9 expression. *Oncotarget.* 2017 Feb 21;8(8):13886-13897. doi: 10.18632/oncotarget.14684. PubMed PMID: 28108731; PubMed Central PMCID: PMC5355147.

54: Hsu HC, Liu LC, Wang HY, Hung CM, Lin YC, Ho CT, Way TD. Stromal Fibroblasts from the Interface Zone of Triple Negative Breast Carcinomas Induced Epithelial-Mesenchymal Transition and its Inhibition by Emodin. *PLoS One.* 2017 Jan 6;12(1):e0164661. doi: 10.1371/journal.pone.0164661. eCollection 2017. PubMed PMID: 28060811; PubMed Central PMCID: PMC5218416.

55: Hsieh CS, Lee SH, Lee HC, Oh HS, Hwang BW, Park SJ, Chen JH. Congenital hypoplasia of the lumbar pedicle with spondylolisthesis: report of 2 cases. *J Neurosurg Spine.* 2017 Apr;26(4):430-434. doi: 10.3171/2016.8.SPINE151137. Epub 2017 Jan 6. PubMed PMID: 28059687.

56: Lee TM, Chang NC, Lin SZ. Inhibition of infarction-induced sympathetic innervation with endothelin receptor antagonism via a PI3K/GSK-3 $\beta$ -dependent pathway. *Lab Invest.* 2017 Mar;97(3):243-255. doi: 10.1038/labinvest.2016.138. Epub 2016 Dec 19. PubMed PMID: 27991911.

57: Fang SY, Lee JS, Roan JN, Tsai YC, Lam CF. Isoflurane Impairs Motor Function Recovery by Increasing Neuroapoptosis and Degeneration During Spinal Ischemia-Reperfusion Injury in Rats. *Anesth Analg.* 2017 Jan;124(1):254-261. PubMed PMID: 27918332.

58: Harnod T, Wang YC, Lin CL, Tseng CH. Association between use of short-acting benzodiazepines and migraine occurrence: a nationwide population-based case-control study. *Curr Med Res Opin.* 2017 Mar;33(3):511-517. doi: 10.1080/03007995.2016.1266313. Epub 2017 Jan 4. PubMed PMID: 27893291.

59: Harnod T, Wang YC, Tseng CH. Male, old age and low income to predispose epilepsy in migraineurs. *Eur J Clin Invest.* 2017 Jan;47(1):63-72. doi: 10.1111/eci.12703. Epub 2016 Dec 7. PubMed PMID: 27864941.

60: Tsai SF, Tao M, Ho LI, Chiou TW, Lin SZ, Su HL, Harn HJ. Isochialulactone-induced DDIT3 causes ER stress-PERK independent apoptosis in glioblastoma multiforme cells. *Oncotarget.* 2017 Jan 17;8(3):4051-4061. doi: 10.18632/oncotarget.13266. PubMed PMID: 27852055; PubMed Central PMCID: PMC5354812.

- 61: Hung CM, Lin YC, Liu LC, Kuo SC, Ho CT, Way TD. CWF-145, a novel synthetic quinolone derivative exerts potent antimitotic activity against human prostate cancer: Rapamycin enhances antimitotic drug-induced apoptosis through the inhibition of Akt/mTOR pathway. *Chem Biol Interact.* 2016 Dec 25;260:1-12. doi: 10.1016/j.cbi.2016.10.014. Epub 2016 Oct 18. PubMed PMID: 27769712.
- 62: Chen KP, Lee CC, Liao CL, Yang TC, Chiu TL, Su CF. Upfront Gamma Knife Surgery for Giant Central Neurocytoma. *World Neurosurg.* 2017 Jan;97:751.e15-751.e21. doi: 10.1016/j.wneu.2016.10.073. Epub 2016 Oct 21. Review. PubMed PMID: 27777164.
- 63: Ma YD, Thiagarajan V, Tsai MJ, Lue SI, Chia YC, Shyue SK, Weng CF. Pyrogallol abates VSMC migration via modulation of Caveolin-1, matrix metalloproteinase and intima hyperplasia in carotid ligation mouse. *Environ Toxicol Pharmacol.* 2016 Dec;48:63-75. doi: 10.1016/j.etap.2016.10.005. Epub 2016 Oct 15. PubMed PMID: 27768988.
- 64: Kuo CY, Chiou HY, Lin JW, Tsai SH, Lin MR, Chiang YH, Lin CM, Chu SF, Liou TH, Chiu WT. Characteristics and clinical outcomes of head-injured cyclists with and without helmets in urban and rural areas of Taiwan: A 15-year study. *Traffic Inj Prev.* 2017 Feb 17;18(2):193-198. doi: 10.1080/15389588.2016.1235270. Epub 2016 Oct 18. PubMed PMID: 27753508.
- 65: Tsai JC, Cheng KY, Tsai ST, Tsai MJ. Tension pneumoventricle and cerebrospinal fluid rhinorrhea. *QJM.* 2017 Jan;110(1):39-40. doi: 10.1093/qjmed/hcw165. Epub 2016 Sep 21. PubMed PMID: 27654504.
- 66: Koo M, Chen JC, Hwang JH. Risk of Peripheral Artery Occlusive Disease in Patients with Vertigo, Tinnitus, or Sudden Deafness: A Secondary Case-Control Analysis of a Nationwide, Population-Based Health Claims Database. *PLoS One.* 2016 Sep 15;11(9):e0162629. doi: 10.1371/journal.pone.0162629. eCollection 2016. PubMed PMID: 27631630; PubMed Central PMCID: PMC5025238.
- 67: Whuang TY, Tsai WC, Chen NF, Chen ZC, Tsui KH, Wen ZH, Su YD, Chang YC, Chen YH, Lu MC, Fang LS, Chen JJ, Wu TY, Wu YC, Sung PJ. Columnaristerol A, a novel 19-norsterol from the Formosan octocoral Nephthea columnaris. *Bioorg Med Chem Lett.* 2016 Oct 15;26(20):4966-4969. doi: 10.1016/j.bmcl.2016.09.007. Epub 2016 Sep 4. PubMed PMID: 27623548.
- 68: Harnod T, Wang YC, Kao CH. Men with nonapnea sleep disorders have a high risk of developing subsequent epilepsy: A nationwide population-based cohort study. *Prev Med.* 2016 Oct;91:211-216. doi: 10.1016/j.ypmed.2016.08.034. Epub 2016 Aug 25. PubMed PMID: 27568233.
- 69: Yeh KT, Lee RP, Chen IH, Yu TC, Peng CH, Liu KL, Wang JH, Wu WT. The Midterm Surgical Outcome of Modified Expansive Open-Door Laminoplasty. *Biomed Res Int.* 2016;2016:8069354. doi: 10.1155/2016/8069354. Epub 2016 Aug 3. PubMed PMID: 27563676; PubMed Central PMCID: PMC4987458.
- 70: Niu HS, Chao PC, Ku PM, Niu CS, Lee KS, Cheng JT. Amarogentin ameliorates diabetic disorders in animal models. *Naunyn Schmiedebergs Arch Pharmacol.* 2016 Nov;389(11):1215-1223. Epub 2016 Aug 3. PubMed PMID: 27485449.
- 71: Wang CM, Hsu CT, Niu HS, Chang CH, Cheng JT, Shieh JM. Lung damage induced by hyperglycemia in diabetic rats: The role of signal transducer and activator of transcription 3 (STAT3). *J Diabetes Complications.* 2016 Nov - Dec;30(8):1426-1433. doi: 10.1016/j.jdiacomp.2016.07.005. Epub 2016 Jul 16. PubMed PMID: 27481368.
- 72: Ma JW, Hung CM, Lin YC, Ho CT, Kao JY, Way TD. Aloe-emodin inhibits HER-2 expression through the downregulation of Y-box binding protein-1 in HER-2-overexpressing human breast cancer cells.

Oncotarget. 2016 Sep 13;7(37):58915-58930. doi: 10.18632/oncotarget.10410. PubMed PMID: 27391337; PubMed Central PMCID: PMC5312285.

73: Niu HS, Chang CH, Niu CS, Cheng JT, Lee KS. Erythropoietin ameliorates hyperglycemia in type 1-like diabetic rats. *Drug Des Devel Ther.* 2016 Jun 3;10:1877-84. doi: 10.2147/DDDT.S105867. eCollection 2016. PubMed PMID: 27350742; PubMed Central PMCID: PMC4902144.

74: Tsai ST, Chen LJ, Wang YJ, Chen SY, Tseng GF. Rostral Intralaminar Thalamic Deep Brain Stimulation Triggered Cortical and Hippocampal Structural Plasticity and Enhanced Spatial Memory. *Stereotact Funct Neurosurg.* 2016;94(2):108-17. doi: 10.1159/000444759. Epub 2016 Apr 20. PubMed PMID: 27093561.

75: Su YC, Huang KF, Yang FY, Lin SK. Elevation of troponin I in acute ischemic stroke. *PeerJ.* 2016 Apr 11;4:e1866. doi: 10.7717/peerj.1866. eCollection 2016. PubMed PMID: 27076999; PubMed Central PMCID: PMC4830242.

76: Hsueh KW, Chiou TW, Chiang SF, Yamashita T, Abe K, Borlongan CV, Sanberg PR, Huang AY, Lin SZ, Harn HJ. Autophagic down-regulation in motor neurons remarkably prolongs the survival of ALS mice. *Neuropharmacology.* 2016 Sep;108:152-60. doi: 10.1016/j.neuropharm.2016.03.035. Epub 2016 Apr 6. PubMed PMID: 27059126.

77: Tsai ST, Kuo CC, Chen TY, Chen SY. Neurophysiological comparisons of subthalamic deep-brain stimulation for Parkinson's disease between patients receiving general and local anesthesia. *Ci Ji Yi Xue Za Zhi.* 2016 Apr-Jun;28(2):63-67. doi: 10.1016/j.tcmj.2016.02.003. Epub 2016 Apr 10. PubMed PMID: 28757724; PubMed Central PMCID: PMC5442892.

78: Wong YH, Wu CC, Wu JC, Lai HY, Chen KY, Jheng BR, Chen MC, Chang TH, Chen BS. Temporal Genetic Modifications after Controlled Cortical Impact—Understanding Traumatic Brain Injury through a Systematic Network Approach. *Int J Mol Sci.* 2016 Feb 6;17(2):216. doi: 10.3390/ijms17020216. PubMed PMID: 26861311; PubMed Central PMCID: PMC4783948.

79: Fang JH, Chiu TL, Huang WC, Lai YH, Hu SH, Chen YY, Chen SY. Dual-Targeting Lactoferrin-Conjugated Polymerized Magnetic Polydiacetylene-Assembled Nanocarriers with Self-Responsive Fluorescence/Magnetic Resonance Imaging for In Vivo Brain Tumor Therapy. *Adv Healthc Mater.* 2016 Mar;5(6):688-95. doi: 10.1002/adhm.201500750. Epub 2016 Jan 28. PubMed PMID: 26820074.

80: Tsai SW, Tung YT, Chen HL, Yang SH, Liu CY, Lu M, Pai HJ, Lin CC, Chen CM. Myostatin propeptide gene delivery by gene gun ameliorates muscle atrophy in a rat model of botulinum toxin-induced nerve denervation. *Life Sci.* 2016 Feb 1;146:15-23. doi: 10.1016/j.lfs.2015.12.056. Epub 2016 Jan 5. PubMed PMID: 26764230.

81: Tai PA, Li TC. Lumbar Intradural Ganglion Cyst. *World Neurosurg.* 2016 Apr;88:691.e1-4. doi: 10.1016/j.wneu.2015.11.088. Epub 2015 Dec 24. PubMed PMID: 26724636.

82: Chen KP, Chou YC, Lee CF, Harnod T, Chen SY, Su CF, Chen PR, Chou TL. Prognostic factors of paranasal sinusitis with intracranial invasion: A 14-year review of cases at Hualien Buddhist Tzu Chi Hospital. *Ci Ji Yi Xue Za Zhi.* 2016 Jan-Mar;28(1):24-26. doi: 10.1016/j.tcmj.2014.06.004. Epub 2014 Jul 30. PubMed PMID: 28757713; PubMed Central PMCID: PMC5509174.

83: Chou YC, Chang MY, Wang MJ, Liu HC, Chang SJ, Harnod T, Hung CH, Lee HT, Shen CC, Chung JG. Phenethyl isothiocyanate alters the gene expression and the levels of protein associated with cell cycle regulation in human glioblastoma Glioblastoma 8401 cells. *Environ Toxicol.* 2017 Jan;32(1):176-187. doi: 10.1002/tox.22224. Epub 2015 Dec 17. PubMed PMID: 26678675.

- 84: Huang SW, Chang KH, Escorpizo R, Chi WC, Yen CF, Liao HF, Chang FH, Chiu WT, Lin JW, Liou TH. Functioning and disability analysis by using WHO Disability Assessment Schedule 2.0 in older adults Taiwanese patients with dementia. *Disabil Rehabil.* 2016 Aug;38(17):1652-63. doi: 10.3109/09638288.2015.1107636. Epub 2015 Dec 18. PubMed PMID: 26678282.
- 85: Block KI, Gyllenhaal C, Lowe L, Amedei A, Amin ARMR, Amin A, Aquilano K, Arbiser J, Arreola A, Arzumanyan A, Ashraf SS, Azmi AS, Benencia F, Bhakta D, Bilsland A, Bishayee A, Blain SW, Block PB, Boosani CS, Carey TE, Carnero A, Carotenuto M, Casey SC, Chakrabarti M, Chaturvedi R, Chen GZ, Chen H, Chen S, Chen YC, Choi BK, Ciriolo MR, Coley HM, Collins AR, Connell M, Crawford S, Curran CS, Dabrosin C, Damia G, Dasgupta S, DeBerardinis RJ, Decker WK, Dhawan P, Diehl AME, Dong JT, Dou QP, Drew JE, Elkord E, El-Rayes B, Feitelson MA, Felsher DW, Ferguson LR, Fimognari C, Firestone GL, Frezza C, Fujii H, Fuster MM, Generali D, Georgakilas AG, Gieseler F, Gilbertson M, Green MF, Grue B, Guha G, Halicka D, Helferich WG, Heneberg P, Hentosh P, Hirschey MD, Hofseth LJ, Holcombe RF, Honoki K, Hsu HY, Huang GS, Jensen LD, Jiang WG, Jones LW, Karpowicz PA, Keith WN, Kerkar SP, Khan GN, Khatami M, Ko YH, Kucuk O, Kulathinal RJ, Kumar NB, Kwon BS, Le A, Lea MA, Lee HY, Lichtor T, Lin LT, Locasale JW, Lokeshwar BL, Longo VD, Lyssiotis CA, MacKenzie KL, Malhotra M, Marino M, Martinez-Chantar ML, Matheu A, Maxwell C, McDonnell E, Meeker AK, Mehrmohamadi M, Mehta K, Michelotti GA, Mohammad RM, Mohammed SI, Morre DJ, Muralidhar V, Muqbil I, Murphy MP, Nagaraju GP, Nahta R, Niccolai E, Nowsheen S, Panis C, Pantano F, Parslow VR, Pawelec G, Pedersen PL, Poore B, Poudyal D, Prakash S, Prince M, Raffaghelli L, Rathmell JC, Rathmell WK, Ray SK, Reichrath J, Rezazadeh S, Ribatti D, Ricciardiello L, Robey RB, Rodier F, Rupasinghe HPV, Russo GL, Ryan EP, Samadi AK, Sanchez-Garcia I, Sanders AJ, Santini D, Sarkar M, Sasada T, Saxena NK, Shackelford RE, Shantha Kumara HMC, Sharma D, Shin DM, Sidransky D, Siegelin MD, Signori E, Singh N, Sivanand S, Sliva D, Smythe C, Spagnuolo C, Stafforini DM, Stagg J, Subbarayan PR, Sundin T, Talib WH, Thompson SK, Tran PT, Ungefroren H, Vander Heiden MG, Venkateswaran V, Vinay DS, Vlachostergios PJ, Wang Z, Wellen KE, Whelan RL, Yang ES, Yang H, Yang X, Yaswen P, Yedjou C, Yin X, Zhu J, Zollo M. Designing a broad-spectrum integrative approach for cancer prevention and treatment. *Semin Cancer Biol.* 2015 Dec;35 Suppl:S276-S304. doi: 10.1016/j.semcan.2015.09.007. Review. PubMed PMID: 26590477; PubMed Central PMCID: PMC4819002.
- 86: Lin JA, Lee YJ, Lu HT, Lin YT. Ultrasound standard for popliteal sciatic block: circular expansion of the paraneurial sheath with the needle in-plane from lateral-to-medial in the 'reverse Sim's position'. *Br J Anaesth.* 2015 Dec;115(6):938-40. doi: 10.1093/bja/aev388. PubMed PMID: 26582859.
- 87: Huang SP, Fang KT, Chang CH, Huang TL, Wen YT, Tsai RK. Autocrine protective mechanisms of human granulocyte colony-stimulating factor (G-CSF) on retinal ganglion cells after optic nerve crush. *Exp Eye Res.* 2016 Feb;143:132-40. doi: 10.1016/j.exer.2015.10.010. Epub 2015 Oct 28. PubMed PMID: 26518178.
- 88: Niu HS, Ku PM, Niu CS, Cheng JT, Lee KS. Development of PPAR-agonist GW0742 as antidiabetic drug: study in animals. *Drug Des Devel Ther.* 2015 Oct 14;9:5625-32. doi: 10.2147/DDDT.S95045. eCollection 2015. PubMed PMID: 26508837; PubMed Central PMCID: PMC4610778.
- 89: Yeh WL, Lin HY, Huang CY, Huang BR, Lin C, Lu DY, Wei KC. Migration-prone glioma cells show curcumin resistance associated with enhanced expression of miR-21 and invasion/anti-apoptosis-related proteins. *Oncotarget.* 2015 Nov 10;6(35):37770-81. doi: 10.18632/oncotarget.6092. PubMed PMID: 26473373; PubMed Central PMCID: PMC4741964.
- 90: Chien JY, Sheu JH, Wen ZH, Tsai RK, Huang SP. Neuroprotective effect of 4-(Phenylsulfanyl)butan-2-one on optic nerve crush model in rats. *Exp Eye Res.* 2016 Feb;143:148-57. doi: 10.1016/j.exer.2015.10.004. Epub 2015 Oct 22. PubMed PMID: 26472213.

- 91: Lee JS, Fang SY, Roan JN, Jou IM, Lam CF. Spinal cord injury enhances arterial expression and reactivity of  $\alpha$ 1-adrenergic receptors-mechanistic investigation into autonomic dysreflexia. *Spine J.* 2016 Jan 1;16(1):65-71. doi: 10.1016/j.spinee.2015.09.030. Epub 2015 Oct 1. PubMed PMID: 26433037.
- 92: Lin CL, Yeh MC, Harnod T, Lin CL, Kao CH. Risk of Type 2 Diabetes in Patients With Nonapnea Sleep Disorders in Using Different Types of Hypnotics: A Population-Based Retrospective Cohort Study. *Medicine (Baltimore).* 2015 Sep;94(38):e1621. doi: 10.1097/MD.0000000000001621. PubMed PMID: 26402831; PubMed Central PMCID: PMC4635771.
- 93: Yang MC, Huang YC, Lan CC, Wu YK, Huang KF. Beneficial Effects of Long-Term CPAP Treatment on Sleep Quality and Blood Pressure in Adherent Subjects With Obstructive Sleep Apnea. *Respir Care.* 2015 Dec;60(12):1810-8. doi: 10.4187/respcare.04199. Epub 2015 Sep 22. PubMed PMID: 26396261.
- 94: Harnod T, Wang YC, Kao CH. Association Between Benzodiazepine Use and Epilepsy Occurrence: A Nationwide Population-Based Case-Control Study. *Medicine (Baltimore).* 2015 Sep;94(37):e1571. doi: 10.1097/MD.0000000000001571. PubMed PMID: 26376408; PubMed Central PMCID: PMC4635822.
- 95: Chang CH, Chao PC, Niu HS, Huang GC, Chen LJ, Cheng JT. Canavanine activates imidazoline I-2 receptors to reduce hyperglycemia in type 1-like diabetic rats. *Chem Biol Interact.* 2015 Oct 5;240:304-9. doi: 10.1016/j.cbi.2015.08.019. Epub 2015 Sep 9. PubMed PMID: 26362499.
- 96: Harnod T, Wang YC, Kao CH. Association of Migraine and Sleep-Related Breathing Disorder: A Population-Based Cohort Study. *Medicine (Baltimore).* 2015 Sep;94(36):e1506. doi: 10.1097/MD.0000000000001506. PubMed PMID: 26356720; PubMed Central PMCID: PMC4616656.
- 97: Chou YC, Chang MY, Wang MJ, Yu FS, Liu HC, Harnod T, Hung CH, Lee HT, Chung JG. PEITC inhibits human brain glioblastoma Glioblastoma 8401 cell migration and invasion through the inhibition of uPA, Rho A, and Ras with inhibition of MMP-2, -7 and -9 gene expression. *Oncol Rep.* 2015 Nov;34(5):2489-96. doi: 10.3892/or.2015.4260. Epub 2015 Sep 8. PubMed PMID: 26352173.
- 98: Yeh KT, Lee RP, Chen IH, Yu TC, Liu KL, Peng CH, Wang JH, Wu WT. Laminoplasty instead of laminectomy as a decompression method in posterior instrumented fusion for degenerative cervical kyphosis with stenosis. *J Orthop Surg Res.* 2015 Sep 4;10:138. doi: 10.1186/s13018-015-0280-y. PubMed PMID: 26338009; PubMed Central PMCID: PMC4559293.
- 99: Lee CT, Hsiao KM, Chen JC, Su CC. Multiplex polymerase chain reaction assay developed to diagnose adult bacterial meningitis in Taiwan. *APMIS.* 2015 Nov;123(11):945-50. doi: 10.1111/apm.12437. Epub 2015 Sep 2. PubMed PMID: 26332098.
- 100: Yen SY, Chen SR, Hsieh J, Li YS, Chuang SE, Chuang HM, Huang MH, Lin SZ, Harn HJ, Chiou TW. Biodegradable interstitial release polymer loading a novel small molecule targeting Axl receptor tyrosine kinase and reducing brain tumour migration and invasion. *Oncogene.* 2016 Apr 28;35(17):2156-65. doi: 10.1038/onc.2015.277. Epub 2015 Aug 10. PubMed PMID: 26257061; PubMed Central PMCID: PMC4855077.
- 101: Lee YT, Hu LY, Shen CC, Huang MW, Tsai SJ, Yang AC, Hu CK, Perng CL, Huang YS, Hung JH. Risk of Psychiatric Disorders following Irritable Bowel Syndrome: A Nationwide Population-Based Cohort Study. *PLoS One.* 2015 Jul 29;10(7):e0133283. doi: 10.1371/journal.pone.0133283. eCollection 2015. PubMed PMID: 26222511; PubMed Central PMCID: PMC4519183.
- 102: Chao PC, Chang CH, Niu HS, Huang GC, Chen LJ, Cheng JT. Canavanine increases glucose uptake in C2 C12 cells through the activation of imidazoline I-2B receptors. *Clin Exp Pharmacol Physiol.* 2015

Oct;42(10):1045-50. doi: 10.1111/1440-1681.12464. PubMed PMID: 26192192.

103: Lin SH, Chen SW, Lo YC, Lai HY, Yang CH, Chen SY, Chang YJ, Chen CH, Huang WT, Jaw FS, Chen YY, Tsang S, Liao LD. Quantitative measurement of Parkinsonian gait from walking in monocular image sequences using a centroid tracking algorithm. *Med Biol Eng Comput*. 2016 Mar;54(2-3):485-96. doi: 10.1007/s11517-015-1335-2. Epub 2015 Jun 25. PubMed PMID: 26109520.

104: Goodson WH 3rd, Lowe L, Carpenter DO, Gilbertson M, Manaf Ali A, Lopez de Cerain Salsamendi A, Lasfar A, Carnero A, Azqueta A, Amedei A, Charles AK, Collins AR, Ward A, Salzberg AC, Colacci A, Olsen AK, Berg A, Barclay BJ, Zhou BP, Blanco-Aparicio C, Baglole CJ, Dong C, Mondello C, Hsu CW, Naus CC, Yedjou C, Curran CS, Laird DW, Koch DC, Carlin DJ, Felsher DW, Roy D, Brown DG, Ratovitski E, Ryan EP, Corsini E, Rojas E, Moon EY, Laconi E, Marongiu F, Al-Mulla F, Chiaradonna F, Darroudi F, Martin FL, Van Schooten FJ, Goldberg GS, Wagemaker G, Nangami GN, Calaf GM, Williams G, Wolf GT, Koppen G, Brunborg G, Lyerly HK, Krishnan H, Ab Hamid H, Yasaei H, Sone H, Kondoh H, Salem HK, Hsu HY, Park HH, Koturbash I, Miousse IR, Scovassi AI, Klaunig JE, Vondráček J, Raju J, Roman J, Wise JP Sr, Whitfield JR, Woodrick J, Christopher JA, Ochieng J, Martinez-Leal JF, Weisz J, Kravchenko J, Sun J, Prudhomme KR, Narayanan KB, Cohen-Solal KA, Moorwood K, Gonzalez L, Soucek L, Jian L, D'Abronzio LS, Lin LT, Li L, Gulliver L, McCawley LJ, Memeo L, Vermeulen L, Leyns L, Zhang L, Valverde M, Khatami M, Romano MF, Chapellier M, Williams MA, Wade M, Manjili MH, Lleonart ME, Xia M, Gonzalez MJ, Karamouzis MV, Kirsch-Volders M, Vaccari M, Kuemmerle NB, Singh N, Cruickshanks N, Kleinstreuer N, van Larebeke N, Ahmed N, Ogunkua O, Krishnakumar PK, Vadgama P, Marignani PA, Ghosh PM, Ostrosky-Wegman P, Thompson PA, Dent P, Heneberg P, Darbre P, Sing Leung P, Nangia-Makker P, Cheng QS, Robey RB, Al-Temaimi R, Roy R, Andrade-Vieira R, Sinha RK, Mehta R, Vento R, Di Fiore R, Ponce-Cusi R, Dornetshuber-Fleiss R, Nahta R, Castellino RC, Palorini R, Abd Hamid R, Langie SA, Eltom SE, Brooks SA, Ryeom S, Wise SS, Bay SN, Harris SA, Papagerakis S, Romano S, Pavanello S, Eriksson S, Forte S, Casey SC, Luanpitpong S, Lee TJ, Otsuki T, Chen T, Massfelder T, Sanderson T, Guarnieri T, Hultman T, Dormoy V, Odero-Marah V, Sabbisetti V, Maguer-Satta V, Rathmell WK, Engström W, Decker WK, Bisson WH, Rojanasakul Y, Luqmani Y, Chen Z, Hu Z. Assessing the carcinogenic potential of low-dose exposures to chemical mixtures in the environment: the challenge ahead. *Carcinogenesis*. 2015 Jun;36 Suppl 1:S254-96. doi: 10.1093/carcin/bgv039. Review. Erratum in: *Carcinogenesis*. 2016 Mar;37(3):344. PubMed PMID: 26106142; PubMed Central PMCID: PMC4480130.

105: Fan YC, Peng SJ, Harnod T, Huang CC, Hsin YL. Investigation of Subcortical Gray Matter in Patients with Non-lesional Neocortical Focal Epilepsy. *Acta Neurol Taiwan*. 2014 Dec;23(4):124-8. PubMed PMID: 26082416.

106: Liew HK, Huang LC, Yang HI, Peng HF, Li KW, Tsai AP, Chen SY, Kuo JS, Pang CY. Therapeutic effects of human urocortin-1, -2 and -3 in intracerebral hemorrhage of rats. *Neuropeptides*. 2015 Aug;52:89-96. doi: 10.1016/j.npep.2015.05.004. Epub 2015 May 30. PubMed PMID: 26055808.

107: Tsai ST, Chuang WY, Kuo CC, Chao PC, Chen TY, Hung HY, Chen SY. Dorsolateral subthalamic neuronal activity enhanced by median nerve stimulation characterizes Parkinson's disease during deep brain stimulation with general anesthesia. *J Neurosurg*. 2015 Dec;123(6):1394-400. doi: 10.3171/2014.11.JNS141208. Epub 2015 May 29. PubMed PMID: 26024004.

108: Yeh KT, Lee RP, Chen IH, Yu TC, Peng CH, Liu KL, Wang JH, Wu WT. Laminoplasty with adjunct anterior short segment fusion for multilevel cervical myelopathy associated with local kyphosis. *J Chin Med Assoc*. 2015 Jun;78(6):364-9. doi: 10.1016/j.jcma.2015.03.009. Epub 2015 May 2. PubMed PMID: 25943045.

109: Chen HP, Chen MH, Tung FI, Liu TY. A novel micelle-forming material used for preparing a

theranostic vehicle exhibiting enhanced *in vivo* therapeutic efficacy. *J Med Chem.* 2015 May 14;58(9):3704-19. doi: 10.1021/jm501996y. Epub 2015 May 1. PubMed PMID: 25933159.

110: Harnod T, Li YF, Lin CL, Chang SN, Sung FC, Kao CH. Higher-dose uses of zolpidem will increase the subsequent risk of developing benign brain tumors. *J Neuropsychiatry Clin Neurosci.* 2015;27(2):e107-11. doi: 10.1176/appi.neuropsych.14010006. Epub 2014 Dec 12. PubMed PMID: 25923854.

111: Chen JC, Tsai TY, Li CY, Hwang JH. Obstructive sleep apnea and risk of Parkinson's disease: a population-based cohort study. *J Sleep Res.* 2015 Aug;24(4):432-7. doi: 10.1111/jsr.12289. Epub 2015 Mar 22. PubMed PMID: 25810019.

112: Harnod T, Wang YC, Kao CH. Higher risk of developing a subsequent migraine in adults with nonapnea sleep disorders: A nationwide population-based cohort study. *Eur J Intern Med.* 2015 May;26(4):232-6. doi: 10.1016/j.ejim.2015.03.002. Epub 2015 Mar 19. PubMed PMID: 25801248.

113: Chen GS, Huang KF, Huang CC, Wang JY. Thaliporphine derivative improves acute lung injury after traumatic brain injury. *Biomed Res Int.* 2015;2015:729831. doi: 10.1155/2015/729831. Epub 2015 Feb 1. PubMed PMID: 25705683; PubMed Central PMCID: PMC4330958.

114: Chen JC, Koo M, Hwang JH. Risks of peripheral arterial occlusive disease in patients with obstructive sleep apnoea: a population-based case-control study. *Clin Otolaryngol.* 2015 Oct;40(5):437-42. doi: 10.1111/coa.12393. PubMed PMID: 25704276.

115: Lin YC, Hou SC, Hung CM, Lin JN, Chen WC, Ho CT, Kuo SC, Way TD. Inhibition of the insulin-like growth factor 1 receptor by CHM-1 blocks proliferation of glioblastoma multiforme cells. *Chem Biol Interact.* 2015 Apr 25;231:119-26. doi: 10.1016/j.cbi.2015.01.016. Epub 2015 Jan 30. PubMed PMID: 25643584.

116: Chou YC, Chang MY, Wang MJ, Harnod T, Hung CH, Lee HT, Shen CC, Chung JG. PEITC induces apoptosis of Human Brain Glioblastoma Glioblastoma8401 Cells through the extrinsic- and intrinsic -signaling pathways. *Neurochem Int.* 2015 Feb;81:32-40. doi: 10.1016/j.neuint.2015.01.001. Epub 2015 Jan 9. PubMed PMID: 25582659.

117: Yeh KT, Chen IH, Yu TC, Liu KL, Peng CH, Wang JH, Lee RP, Wu WT. Modified expansive open-door laminoplasty technique improved postoperative neck pain and cervical range of motion. *J Formos Med Assoc.* 2015 Dec;114(12):1225-32. doi: 10.1016/j.jfma.2014.10.005. Epub 2015 Jan 1. PubMed PMID: 25557153.

118: Harnod T, Chen HJ, Li TC, Sung FC, Kao CH. A high risk of hyperlipidemia in epilepsy patients: a nationwide population-based cohort study. *Ann Epidemiol.* 2014 Dec;24(12):910-4. doi: 10.1016/j.annepidem.2014.09.008. Epub 2014 Sep 28. PubMed PMID: 25444891.

119: Harnod T, Wang YC, Sung FC, Kao CH. Association of zolpidem use and subsequent increased risk of epilepsy: a population-based, case-control study. *J Clin Psychiatry.* 2014 Oct;75(10):e1127-32. doi: 10.4088/JCP.13m08953. PubMed PMID: 25373122.

120: Harnod T, Wang YC, Kao CH. High risk of developing subsequent epilepsy in young adults with migraine: a nationwide population-based cohort study in Taiwan. *QJM.* 2015 Jun;108(6):449-55. doi: 10.1093/qjmed/hcu215. Epub 2014 Oct 31. PubMed PMID: 25362099.

121: Huang KF, Hsu WC, Hsiao JK, Chen GS, Wang JY. Collagen-glycosaminoglycan matrix implantation promotes angiogenesis following surgical brain trauma. *Biomed Res Int.* 2014;2014:672409. doi:

10.1155/2014/672409. Epub 2014 Sep 17. PubMed PMID: 25309917; PubMed Central PMCID: PMC4182695.

122: Harn HJ, Chuang HM, Chang LF, Huang AY, Hsieh ST, Lin SZ, Chou CW, Kuo YH, Chiou TW. Taiwanin A targets non-steroidal anti-inflammatory drug-activated gene-1 in human lung carcinoma. *Fitoterapia*. 2014 Dec;99:227-35. doi: 10.1016/j.fitote.2014.08.020. Epub 2014 Aug 27. PubMed PMID: 25173462.

123: Harnod D, Wen SH, Chen SY, Harnod T. The association of heart rate variability with parkinsonian motor symptom duration. *Yonsei Med J*. 2014 Sep;55(5):1297-302. doi: 10.3349/ymj.2014.55.5.1297. PubMed PMID: 25048488; PubMed Central PMCID: PMC4108815.

124: Tu CW, Huang KF, Hsu HT, Li HY, Yang SS, Chen YC. Zoledronic acid infusion for lumbar interbody fusion in osteoporosis. *J Surg Res*. 2014 Nov;192(1):112-6. doi: 10.1016/j.jss.2014.05.034. Epub 2014 May 21. PubMed PMID: 24948545.

125: Chen JC, Hwang JH. Sleep apnea increased incidence of primary central nervous system cancers: a nationwide cohort study. *Sleep Med*. 2014 Jul;15(7):749-54. doi: 10.1016/j.sleep.2013.11.782. Epub 2014 Mar 24. PubMed PMID: 24891080.

126: Chen JC, Hwang JH, Chiu WH, Chan YC. Tetrandrine and caffeine modulated cell cycle and increased glioma cell death via caspase-dependent and caspase-independent apoptosis pathways. *Nutr Cancer*. 2014;66(4):700-6. doi: 10.1080/01635581.2014.902974. Epub 2014 Apr 16. PubMed PMID: 24738643.

127: Lin JW, Cherng YG, Chen LJ, Niu HS, Chang CK, Niu CS. Ginseng is useful to enhance cardiac contractility in animals. *Biomed Res Int*. 2014;2014:723084. doi: 10.1155/2014/723084. Epub 2014 Feb 4. PubMed PMID: 24689053; PubMed Central PMCID: PMC3932289.

128: Huang TL, Huang SP, Chang CH, Lin KH, Sheu MM, Tsai RK. Factors influencing the retrograde labeling of retinal ganglion cells with fluorogold in an animal optic nerve crush model. *Ophthalmic Res*. 2014;51(4):173-8. doi: 10.1159/000357736. Epub 2014 Mar 18. PubMed PMID: 24662310.

129: Huang BR, Chang PC, Yeh WL, Lee CH, Tsai CF, Lin C, Lin HY, Liu YS, Wu CY, Ko PY, Huang SS, Hsu HC, Lu DY. Anti-neuroinflammatory effects of the calcium channel blocker nicardipine on microglial cells: implications for neuroprotection. *PLoS One*. 2014 Mar 12;9(3):e91167. doi: 10.1371/journal.pone.0091167. eCollection 2014. PubMed PMID: 24621589; PubMed Central PMCID: PMC3951295.

130: Tsai ST, Tsai HC, Kuo CC, Hung HY, Lee CH, Chen SY. Neurosurgery in obsessive-compulsive disorder. *J Neurosurg*. 2014 Apr;120(4):1006. doi: 10.3171/2013.12.JNS132637. Epub 2014 Feb 21. PubMed PMID: 24559223.

131: Tsai HC, Chang CH, Pan JI, Hsieh HJ, Tsai ST, Hung HY, Chen SY. Acute stimulation effect of the ventral capsule/ventral striatum in patients with refractory obsessive-compulsive disorder - a double-blinded trial. *Neuropsychiatr Dis Treat*. 2014;10:63-9. doi: 10.2147/NDT.S54964. Epub 2014 Jan 6. PubMed PMID: 24421642; PubMed Central PMCID: PMC3888347.

132: Harnod T, Lin CL, Sung FC, Kao CH. An association between benzodiazepine use and occurrence of benign brain tumors. *J Neurol Sci*. 2014 Jan 15;336(1-2):8-12. doi: 10.1016/j.jns.2013.11.009. Epub 2013 Nov 16. PubMed PMID: 24314718.

133: Jiang JL, Chen SY, Hsieh TC, Lee CW, Lin SH, Tsai ST. Different effectiveness of subthalamic deep

brain stimulation in Parkinson's disease: A comparative cohort study at 1 year and 5 years. *J Formos Med Assoc.* 2015 Sep;114(9):835-41. doi: 10.1016/j.jfma.2013.09.006. Epub 2013 Oct 6. PubMed PMID: 24103710.

134: Tsai ST, Hung HY, Hsieh TC, Lin SH, Lin SZ, Chen SY. Long-term outcome of young onset Parkinson's disease after subthalamic stimulation—a cross-sectional study. *Clin Neurol Neurosurg.* 2013 Oct;115(10):2082-7. doi: 10.1016/j.clineuro.2013.07.014. Epub 2013 Aug 3. PubMed PMID: 23916724.

135: Liao CH, Chen SY, Kuo JS, Pang CY. Reduction of motor disorder in 6-OHDA-induced severe parkinsonism rats by post treatment with granulocyte-colony stimulating factor. *Chin J Physiol.* 2013 Jun 30;56(3):147-54. PubMed PMID: 23656216.

136: Wu SW, Chiu TL. Dissecting aneurysm at the A1 segment of the anterior cerebral artery presenting as visual loss and visual field defect. *Br J Neurosurg.* 2013 Dec;27(6):822-3. doi: 10.3109/02688697.2013.791663. Epub 2013 May 7. PubMed PMID: 23647077.

137: Chou YC, Jiang YH, Harnod T, Kuo HC. Characteristics of neurogenic voiding dysfunction in cerebellar stroke: a cross-sectional, retrospective video urodynamic study. *Cerebellum.* 2013 Oct;12(5):601-6. doi: 10.1007/s12311-013-0468-9. PubMed PMID: 23504292.

138: Lin JW, Tsai CC, Chen LJ, Niu HS, Chang CK, Niu CS. Characterization of musclin as a new target for treatment of hypertension. *Biomed Res Int.* 2014;2014:354348. doi: 10.1155/2014/354348. Epub 2014 Mar 9. PubMed PMID: 24734231; PubMed Central PMCID: PMC3966495.

139: Chiu TL, Tsai ST, Chiu CH. Prediction of flow augmentation and complications of extracranial-intracranial bypass in symptomatic cerebrovascular diseases. *J Clin Neurosci.* 2012 Jun;19(6):814-9. doi: 10.1016/j.jocn.2011.08.031. Epub 2012 Apr 6. PubMed PMID: 22483970.

140: Su CF, Kao SJ, Chen HI. Acute respiratory distress syndrome and lung injury: Pathogenetic mechanism and therapeutic implication. *World J Crit Care Med.* 2012 Apr 4;1(2):50-60. doi: 10.5492/wjccm.v1.i2.50. eCollection 2012 Apr 4. Review. PubMed PMID: 24701402; PubMed Central PMCID: PMC3953859.

141: Chen SY, Tsai ST, Lin SH, Chen TY, Hung HY, Lee CW, Wang WH, Chen SP, Lin SZ. Subthalamic deep brain stimulation in Parkinson's disease under different anesthetic modalities: a comparative cohort study. *Stereotact Funct Neurosurg.* 2011;89(6):372-80. doi: 10.1159/000332058. Epub 2011 Nov 19. PubMed PMID: 22104439.

142: Chou YC, Peng HC, Chu CH, Tsai ST, Ling JC, Hsu YH, Chen SY, Harnod T. Successful separation of the conjoined thecal sac with an epidermal cyst in pygopagus twins. *J Pediatr Surg.* 2011 Sep;46(9):e25-7. doi: 10.1016/j.jpedsurg.2011.05.023. PubMed PMID: 21929972.

143: Chen SY, Tsai ST, Hung HY, Lin SH, Pan YH, Lin SZ. Targeting the subthalamic nucleus for deep brain stimulation—a comparative study between magnetic resonance images alone and fusion with computed tomographic images. *World Neurosurg.* 2011 Jan;75(1):132-7; discussion 22-4, 29-31. doi: 10.1016/j.wneu.2010.09.009. PubMed PMID: 21492677.

144: Hong MK, Lin YC, Wei YC, Chu TY. Parathyroid adenoma with hypertensive crisis and intracerebral hemorrhage mimicking hemolysis, elevated liver enzymes, low platelets syndrome. *Obstet Gynecol.* 2011 Feb;117(2 Pt 2):498-500. doi: 10.1097/AOG.0b013e3182061fc2. PubMed PMID: 21252803.

- 145: Huang TL, Chang CH, Lin KH, Sheu MM, Tsai RK. Lack of protective effect of local administration of triamcinolone or systemic treatment with methylprednisolone against damages caused by optic nerve crush in rats. *Exp Eye Res.* 2011 Feb;92(2):112-9. doi: 10.1016/j.exer.2010.12.008. Epub 2010 Dec 24. PubMed PMID: 21185832.
- 146: Tsai RK, Chang CH, Sheu MM, Huang ZL. Anti-apoptotic effects of human granulocyte colony-stimulating factor (G-CSF) on retinal ganglion cells after optic nerve crush are PI3K/AKT-dependent. *Exp Eye Res.* 2010 May;90(5):537-45. doi: 10.1016/j.exer.2010.01.004. Epub 2010 Feb 6. PubMed PMID: 20144610.
- 147: Sun TB, Kuo TB, Yang CC. Power spectral analysis of perfusion signals on free radial forearm flap transplantation in humans. *Microsurgery.* 2009;29(8):636-43. doi: 10.1002/micr.20675. PubMed PMID: 19790187.
- 148: Tsai ST, Lin SH, Chou YC, Pan YH, Hung HY, Li CW, Lin SZ, Chen SY. Prognostic factors of subthalamic stimulation in Parkinson's disease: a comparative study between short- and long-term effects. *Stereotact Funct Neurosurg.* 2009;87(4):241-8. doi: 10.1159/000225977. Epub 2009 Jun 26. PubMed PMID: 19556833.
- 149: Tsai ST, Yen PS, Wang YJ, Chiu TL. Superficial temporal artery-middle cerebral artery bypass for ischemic atherosclerotic middle cerebral artery disease. *J Clin Neurosci.* 2009 Aug;16(8):1013-7. doi: 10.1016/j.jocn.2008.08.017. Epub 2009 May 5. PubMed PMID: 19409794.
- 150: Wang SM, Tsai HP, Huang JJ, Huang HC, Lin JL, Liu PH. Inhibition of nitric oxide synthase promotes facial Axon regeneration following neurorrhaphy. *Exp Neurol.* 2009 Apr;216(2):499-510. PubMed PMID: 19320008.
- 151: Tsai RK, Chang CH, Wang HZ. Neuroprotective effects of recombinant human granulocyte colony-stimulating factor (G-CSF) in neurodegeneration after optic nerve crush in rats. *Exp Eye Res.* 2008 Sep;87(3):242-50. doi: 10.1016/j.exer.2008.06.004. Epub 2008 Jun 17. PubMed PMID: 18602391.
- 152: Hsu SY, Chang FL, Sheu MM, Tsai RK. Homonymous hemianopia caused by solitary skull metastases of hepatocellular carcinoma. *J Neuroophthalmol.* 2008 Mar;28(1):51-4. doi: 10.1097/WNO.0b013e3181675438. PubMed PMID: 18347460.
- 153: Tsai ST, Lin SH, Lin SZ, Chen JY, Lee CW, Chen SY. Neuropsychological effects after chronic subthalamic stimulation and the topography of the nucleus in Parkinson's disease. *Neurosurgery.* 2007 Nov;61(5):E1024-9; discussion E1029-30. PubMed PMID: 18091257.
- 154: Harnod T, Yang CC, Hsin YL, Shieh KR, Wang PJ, Kuo TB. Heart rate variability in children with refractory generalized epilepsy. *Seizure.* 2008 Jun;17(4):297-301. Epub 2007 Oct 30. PubMed PMID: 17977751.
- 155: Chiu WT, Huang SJ, Tsai SH, Lin JW, Tsai MD, Lin TJ, Huang WC. The impact of time, legislation, and geography on the epidemiology of traumatic brain injury. *J Clin Neurosci.* 2007 Oct;14(10):930-5. Epub 2007 Jul 23. PubMed PMID: 17646104.
- 156: Su CF, Yang FL, Chen HI. Inhibition of inducible nitric oxide synthase attenuates acute endotoxin-induced lung injury in rats. *Clin Exp Pharmacol Physiol.* 2007 Apr;34(4):339-46. PubMed PMID: 17324147.
- 157: Lin SZ. 9th International Conference on Neural Transplantation and Repair. *Cell Transplant.* 2007 Feb;16(2):99. doi: 10.3727/000000007783464641. PubMed PMID: 28863741.

- 158: Liu PH, Yang LH, Wang TY, Wang YJ, Tseng GF. Proximity of lesioning determines response of facial motoneurons to peripheral axotomy. *J Neurotrauma*. 2006 Dec;23(12):1857-73. PubMed PMID: 17184194.
- 159: Su CF, Yang YL, Lee MC, Chen HI. A severe vicious cycle in uncontrolled subarachnoid hemorrhage: the effects on cerebral blood flow and hemodynamic responses upon intracranial hypertension. *Chin J Physiol*. 2006 Feb 28;49(1):56-63. PubMed PMID: 16900706.
- 160: Teo BT, Lin CC, Chiou TL, Chen SC, Yen PS. Unusual magnetic resonance characteristics of a cerebellopontine angle epidermoid cyst with upper cervical spinal canal extension. *J Clin Neurosci*. 2006 Aug;13(7):781-4. Epub 2006 May 24. PubMed PMID: 16723231.
- 161: Chuang MF, Harnod T, Wang PJ, Chen YH, Hsin YL. Effect of multiple subpial transection on patients with uncontrolled atypical infantile spasms. *Epilepsia*. 2006 Mar;47(3):659-60. PubMed PMID: 16529637.
- 162: Sun TB, Yang CC, Lai CJ, Kuo TB. Time course of cardiovascular neural regulation during programmed 20-sec apnea in rats. *Crit Care Med*. 2006 Mar;34(3):765-70. PubMed PMID: 16521269.
- 163: Chen SY, Lee CC, Lin SH, Hsin YL, Lee TW, Yen PS, Chou YC, Lee CW, Annie Hsieh W, Su CF, Lin SZ. Microelectrode recording can be a good adjunct in magnetic resonance image-directed subthalamic nucleus deep brain stimulation for parkinsonism. *Surg Neurol*. 2006 Mar;65(3):253-60; discussion 260-1. PubMed PMID: 16488244.
- 164: Su CF, Kuo TB, Kuo JS, Lai HY, Chen HI. Sympathetic and parasympathetic activities evaluated by heart-rate variability in head injury of various severities. *Clin Neurophysiol*. 2005 Jun;116(6):1273-9. Epub 2005 Mar 25. PubMed PMID: 15978489.
- 165: Wang YJ, Tseng GF. Spinal axonal injury induces brief downregulation of ionotropic glutamate receptors and no stripping of synapses in cord-projection central neurons. *J Neurotrauma*. 2004 Nov;21(11):1624-39. PubMed PMID: 15684654.
- 166: Yen PS, Lin JF, Chen SY, Lin SZ. Tophaceous gout of the lumbar spine mimicking infectious spondylodiscitis and epidural abscess: MR imaging findings. *J Clin Neurosci*. 2005 Jan;12(1):44-6. PubMed PMID: 15639411.
- 167: Chou YC, Chang YL, Harnod T, Chen WF, Su CF, Lin SZ, Hsu YH, Yen PS, Lee CC. Primary angiosarcoma of the cranial vault: a case report and review of the literature. *Surg Neurol*. 2004 Jun;61(6):575-9. Review. PubMed PMID: 15165804.
- 168: Chou YC, Lee CC, Yen PS, Lin JF, Su CF, Lin SZ, Chen WF. Cough induced by ossification of the ligamentum flavum in the high cervical spine. Case report. *J Neurosurg*. 2004 Apr;100(4 Suppl Spine):364-6. PubMed PMID: 15070145.
- 169: Liu PH, Tsai HY, Chung YW, Wang YJ, Tseng GF. The proximity of the lesion to cell bodies determines the free radical risk induced in rat rubrospinal neurons subjected to axonal injury. *Anat Embryol (Berl)*. 2004 Mar;207(6):439-51. Epub 2004 Feb 7. PubMed PMID: 14767765.
- 170: Wang YJ, Chen JR, Tseng GF. Fate of the soma and dendrites of cord-projection central neurons after proximal and distal spinal axotomy: an intracellular dye injection study. *J Neurotrauma*. 2002 Nov;19(11):1487-502. PubMed PMID: 12490013.
- 171: Huang WC, Fang TC, Cheng JT. Renal denervation prevents and reverses hyperinsulinemia-

induced hypertension in rats. *Hypertension*. 1998 Aug;32(2):249-54. PubMed PMID: 9719050.

172: Su CF, Shih CJ, Lin LS, Hung TP. [Moyamoya disease in Taiwan]. *J Formos Med Assoc*. 1994 Sep;93 Suppl 2:S90-7. Review. Chinese. PubMed PMID: 7719166.

From:

<https://neurosurgerywiki.com/wiki/> - **Neurosurgery Wiki**



Permanent link:

<https://neurosurgerywiki.com/wiki/doku.php?id=hualien>

Last update: **2024/06/07 02:51**