



NAME
劉玉麗
Liu, Yu-Li

POSITION TITLE
Associate Professor

EDUCATION/TRAINING

INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
Taipei Medical University, Taiwan	B.S.	1984	Pharmacy
National Yang-Ming Medical College, Taiwan	M.S.	1987	Pharmacology
East Tennessee State University, U.S.A.	Ph.D.	1997	Pharmacology

CURRENT POSITIONS

2011/10- Present Associate Investigator, Center for Neuropsychiatric Research, National Health Research Institutes, Miao-Li, Taiwan

RESEARCH INTEREST

1. Pharmacogenomics study on treatments for heroin dependence and major depressive disorder
2. Genomic study on schizophrenia
3. Therapeutic drug monitoring for CNS medicine
4. Genomic study for stroke and dementia
5. Drug development

HONORS

Licensed Pharmacist of Taiwan

Member of the Pharmacological Society in Taiwan (台灣藥理學會)

Member of the Taiwanese society of Schizophrenia Research (台灣精神分裂症研究學會會員)

Member of International Narcotics Research Conference (INRC)

Member of Asia-Pacific Society for Alcohol and Addiction Research (APSAAR)

Member of Asia-Pacific Society of Human Genetics (APSHG)

Editor of ARC Journal of Addiction

Editor of Austin Addiction Sciences

Editor of American Journal of Current Genetics

Editor of 生物醫學 Biomedicine

REVIEWER

The World Journal of Biological Psychiatry

Journal of Addiction Medicine

Journal of Food and Drug Analysis

Pharmacogenomics

Pharmacogenomics and Personalized Medicine
European Neuropsychopharmacology
Pharmacogenetics and Genomics
New England Journal of Medicine
Psychiatry Investigation
PLoS One
Journal of Human Genetics
Psychiatry Research
Drug and Alcohol Dependence
Progress in Neuro-Psychopharmacology & Biological Psychiatry
Clinical Pharmacokinetics

PEER-REVIEWED PUBLICATIONS (SINCE 2012)

1. Liu, YL, Wang, SC, Hwu, HG, Fann, CSJ, Yang, UC, Yang, WC, Hsu, PC, Chang, CC, Wen, CC, Tsai-Wu, JJ, Hwang, TJ, Hsieh, MH, Liu, CC, Chien, YL, Fang, CP, Faraone, SV, Tsuang, MT, Chen, WJ, and Liu, CM: (2016) Haplotypes of the D-amino Acid Oxidase Gene are Significantly Associated with Schizophrenia: A Systematic Sequencing Study. PLoS One 17;11(3):e0150435.
2. Yang, HC, Chu, SK, Kuo, HW, Wang, SC, Liu, SW, Ho, IK, Liu, YL (correspondence) (2016) Genome-Wide Pharmacogenomic Study on Methadone Maintenance in Heroin-Dependent Patients. PloS Genetics. 24;12(3):e1005910.
3. Barve, IJ, Dalvi, PB, Thikekar, TU, Chanda, K, Liu, YL, Fang, CP, Liu, CC, Sun, CM. (2015) Design, synthesis and diversification of natural product-inspired hydantoin-fused tetrahydroazepino indoles. RSC Adv. 5: 73169-73179. (Impact factor = 3.84)
4. Cohen, OS, Weickert, TW, Hess, JL, Paish, LM, McCoy, SY, Rothmond, DA, Galletly, C, Liu, D, Weinberg, DD, Huang, XF, Xu, Q, Shen, Y, Zhang, D, Yue, W, Yan, J, Wang, L, Lu, T, He, L, Shi, Y, Xu, M, Che, R, Tang, W, Chen, CH, Chang, WH, Hwu, HG, Liu, CM, Liu, YL, Wen, CC, Fann, C S-J, Chang, CC, Kanazawa, T, Middleton, FA, Duncan, TM, Faraone, SV, Weickert, CS, Tsuang, MT, Glatt, SJ. (2016) A splicing-regulatory polymorphism in DRD2 disrupts ZRANB2 binding, impairs cognitive functioning, and increases risk for schizophrenia in six Han Chinese samples. Mol. Psychiatr. 21(7):975-82. (SCI) (Impact factor = 14.496)
5. Liu, SW, Liu, YL, Hwang, LL, Wang, SC, Kuo, HW, Wu, SL, Dai, YWE., Liu, SC, Ho, IK, Chen, A. CH, Hsiao, CF, Tsou, HH (2015) Chemokine IP-10 is correlated with cardiac responses and status of infection with HIV and HCV in methadone maintenance patients. Int. J. Cardiol. 194:36-38. (SCI) (Impact factor = 4.036).
6. Liu, YL, Tsung JH, Fang, CP, Liu, SW, Lai, CW, Huang CL, Wang SC, Ho, IK (2016) Genetic Polymorphisms on OPRM1 involved in multiple responses of a methadone maintenance population. V. R. Preedy, The Neuropathology of Drug Addictions and Substance Misuse. London, UK: Kings College London. Chapter 54:532-541.
7. JM Biernacka, K Sangkuhl, G Jenkins, R Whaley, P Barman, A Batzler, RB Altman, V Arolt, J Brockmüller, CH Chen, K Domschke, DK Hall-Flavin, CJ Hong, A Illi, Y Ji, O Kampman, T Kinoshita, E Leinonen, YJ Liou, T Mushiroda, S Nonen, MK Skime, L Wang, BT Baune, M Kato, YL Liu, V Praphanphoj, JC Stingl, SJ Tsai, M Kubo, TE Klein, R Weinshilboum (2015) The International SSRI Pharmacogenomics Consortium (ISPC): A Genome-Wide Association Study of Antidepressant Treatment Response. Translational Psychiatry 5:e553. (SCI) (Impact factor = 5.62). **11.4%**

8. Tsai, HJ, Wang, SC, Liu, SW, Ho, IK, Chang, YS, Tsai, YT, Lin, KM, Liu, YL (correspondence) (2014) Assessment of CYP450 genetic variability effect on methadone dose and tolerance. *Pharmacogenomics* 15(7): 977-986. (SCI) (Impact factor = 3.218).
9. Wang, SC, Tsou, HH, Chen, YT, Fang, CP, Chen, CH, Ho, IK, Liu, SC, Kuo, HW, Shih, YH, Wu, HY, Huang, BH, Lin, KM, Chen, Andrew CH, Hsiao, CF, Liu, YL (correspondence) (2014) The association of genetic polymorphisms in the kappa-opioid receptor 1 gene with body weight, alcohol use, and withdrawal symptoms in patients with methadone maintenance. *J. Clin. Psychopharmacol.* 34(2): 205-211. (Impact factor = 3.243).
10. Wang, SC, Tsou, HH, Ho, IK, Lin, KM, Liu, YL (correspondence) (2013) Pharmacogenomics study in a methadone maintenance cohort. *J of Food and Drug Analysis* 21: S62-68. (Impact factor=0.615).
11. Lin, HL, Hsu, YT, Liu, CY, Hsiao, CF, Hsiao, MC, Liu, YL, Chen, CH, Shen, WW, Liu, SI, Chang, LH, Tang, HS, Lai, HL, Chen, CY, Wang, SC, Lin, PS, Lin, KM, Tsou, HH (2013) Comparison of escitalopram and paroxetine in the treatment of major depressive disorder. *Int. Clin. Psychopharmacol.* 28(6):339-45. (SCI) (Impact factor = 2.456).
12. Wu, SL, Wang, SC, Tsou, HH, Ho, IK, Kuo, HW, Liu, SW, Hsu, YT, Liu, YL (correspondence) (2013) Hepatitis C virus infection influences the S-methadone metabolite plasma concentration. *PLoS One* 8(7): e69310. (SCI) (Impact factor = 3.234). 14.29%
13. Wang, SC, Ho, IK, Tsou, HH, Liu, SW, Hsiao, CF, Chen, CH, Tan, Happy KL, Lin, LN, Wu, CS, Su, LW, Huang, CL, Yang, YH, Liu, ML, Lin, KM, Liu, SC, Wu, HY, Kuo, HW, Chen, Andrew CH, Chang, YS, Liu, YL (correspondence) (2013) Functional Genetic Polymorphisms in *CYP2C19* Gene in Relation to Cardiac Side Effects and Treatment Dose in a Methadone Maintenance Cohort. *OMICS: A Journal of Integrative Biology* 17(10):519-26. (SCI) (Impact factor =2.362).
14. Kuo, HW, Liu, SC, Tsou, HH, Liu, SW, Lin, KM, Lu, SC, Hsiao, MC, Hsiao, CF, Liu, CY, Chen, CH, Lu, ML, Shen, WW, Tang, HS, Liu, SI, Chang, LH, Wu, HY, Chang, YS, Yeh, TK, Chen, ACH, Liu, YL (correspondence) (2013) CYP1A2 genetic polymorphisms are associated with early antidepressant escitalopram metabolism and adverse reactions. *Pharmacogenomics* 14(10): 1191-201. (SCI) (Impact factor = 3.218).
15. Yang, HC, Liu, CM, Liu, YL, Chen, CW, Chang, CC, Fann, CS, Chiou, JJ, Yang, UC, Chen, CH, Faraone, SV, Tsuang, MT, Hwu, HG (2013) The DAO gene is associated with schizophrenia and interacts with other genes in the Taiwan Han Chinese population. *PLoS One* 8(3): e60099. (SCI) (Impact factor = 3.234). 14.29%
16. Chen, YT, Tsou, HH, Kuo, HW, Fang, CP, Wang, SC, Ho, IK, Chang, YS, Chen, CH, Hsiao, CF, Wu, HY, Lin, KM, Chen, ACH, Tsai-Wu, JJ, Liu, YL (correspondence) (2013) *OPRM1* genetic polymorphisms are associated with the plasma nicotine metabolite cotinine concentration in methadone maintenance patients: a cross sectional study. *J. Hum. Genet.* 58(2): 84-90. (SCI) (Impact factor = 2.462).
17. Tsai, HJ, Wang, SC, Tian, JN, Chang, TK, Ho, IK, Hsiao, CF, Chen, CH, Tan, HK, Lin, L, Wu, CS, Su, LW, Huang, CL, Yang, YH, Liu, ML, Lin, KM, Liu, YL (correspondence) (2013) *PXR* polymorphisms interacted with *CYP2B6* polymorphisms on methadone metabolites. *J. Clin. Psychopharmacol.* 33(1):137-140. (SCI) (Impact factor = 3.243).
18. Tian, JN, Ho, IK, Tsou, HH, Fang, CP, Hsiao, CF, Chen, CH, Tan, HK, Lin, L, Wu, CS, Su, LW, Huang, CL, Yang, YH, Liu, ML, Chen, YT, Liu, SC, Hsu, YT, Kuo, HW, Liu, CT, Yang, YT, Chen, A, Shih, YH, Liu, YL (correspondence) (2012) *UGT2B7* genetic polymorphisms are associated with the withdrawal symptoms in methadone maintenance patients. *Pharmacogenomics* 13(8): 879-888. (SCI) (Impact factor = 3.218).

19. Liou, YJ, Wang, HH, Lee, MT, Wang, SC, Chiang, HL, Chen, CC, Lin, CH, Chung, MS, Kuo, CC, Liao, DL, Wu, CK, Liu, CM, Liu, YL, Hwu, HG, Lai, IC, Tsai, SJ, Chen, CH, Liu, HF, Chou, YC, Chen, YT, Hong, CJ, Wu, JY (2012) Genome-wide association study of treatment refractory schizophrenia in Han Chinese. PLoS One 7(3): e33598. (SCI) (Impact factor= 3.234) **14.29%**
20. Wang, SC, Tsou, HH, Chen, CH, Chen, YT, Ho, IK, Hsiao, CF, Chou, SY, Lin, YF, Fang, KC, Huang, CL, Su, LW, Fang, YC, Liu, ML, Wu, HY, Lin, KM, Liu, SC, Kuo, HW, Chiang, IC, Chen, AC, Tian, JN, Liu, YL (correspondence) (2012) Genetic polymorphisms in the opioid receptor mu1 gene are associated with changes in libido and insomnia in methadone maintenance patients. Eur. Neuropsychopharmacol. 22(10): 695-703. (SCI) (Impact factor = 4.369). **12.20%**

RECENT RESEARCH SUPPORT

1. Genomic study on methadone induced cardiovascular side effect 美沙冬治療所引發心臟血管副作用的基因體研究 NP-103, 104, 105-PP-04
2. Development of novel diamine D-amino acid oxidase inhibitors 雙胺類D-胺基酸氧化酶抑制劑的開發(2/2) MOST 104-2325-B-400-014-, and MOST 105-2325-B-400-012