

Yi-Fang Chuang M.D., Ph.D. (莊宜芳)

chuangy@nycu.edu.tw

NATIONALITY: TAIWAN

EDUCATION

Ph.D., Department of Mental Health, Johns Hopkins Bloomberg School of Public Health, 2012

M.D., National Taiwan University, Taipei, Taiwan, 2002

PROFESSIONAL EXPERIENCE

Associate professor, 2020/2-now

Institute of Public Health, National Yang Ming Chiao Tung University, Taipei, Taiwan

Assistant professor, 2015/2- 2020/2

Institute of Public Health, National Yang-Ming University, Taipei, Taiwan

Postdoctoral fellow, 2012 – 2014

Lab of Behavior Neuroscience, National Institute of Aging, Baltimore, Maryland US

House staff (Psychiatry), 2007 - 2008

Min-Sheng General Hospital, TaoYuan Hsien, Taiwan

Residency, Department of Psychiatry, 2003 - 2007

National Taiwan University Hospital, Taipei, Taiwan

AWARDS AND HONORS

1. The University-wide Best Teaching Award, National Yang Ming Chiao-Tung University, 2021
2. LiFu Medical Research, Cultural, and Educational Foundation Award, Taipei, Taiwan, 2015
3. Lucy Shum Memorial Award, Johns Hopkins School of Public Health, 2012

SELECTED PUBLICATIONS

1. Lin CH, Chang PC, Chu PH, **Chuang YF**, Huang RC, Chen CN. Effects of losartan and exercise on muscle mass and exercise endurance of old mice. Exp Gerontol. 2022/06/17. 2022;165:111869.
2. **Chuang YF**, Liu YC, Tseng HY, Lin PX, Li CY, Shih MH, Lin KC, Yang TO, Yan SH, Chiu YL. Urban-rural differences in the prevalence and correlates of mild cognitive

- impairment in community-dwelling older adults in Taiwan: The EMCIT study. J Formos Med Assoc. 2021 Mar 30;S0929-6646(21)00110-8. PMID: 33810927.
3. Lin JY, Kuo KL, Kuo YH, ..**Chuang YF**, Cheng HM. Association between real-world home blood pressure measurement patterns and blood pressure variability among older individuals with hypertension: A community-based blood pressure variability study. J Clin Hypertens (Greenwich). 2021;23(3):628–637.
 4. Yasar S, Moored KD, Adam A, Zabel F, **Chuang YF**, Varma VR, et al.. Angiotensin II Blood Levels Are Associated with Smaller Hippocampal and Cortical Volumes in Cognitively Normal Older Adults. J Alzheimers Dis. 2020;75(2):521–529.
 5. Moored KD, Chan T, Varma VR, **Chuang YF**, Parisi JM, Carlson MC. Engagement in Enriching Early-Life Activities Is Associated With Larger Hippocampal and Amygdala Volumes in Community-Dwelling Older Adults. J Gerontol B Psychol Sci Soc Sci. 2020;75(8):1637–1647.
 6. Yang TO, **Chuang YF**, Chiu YL. T-cell aging in end-stage renal disease: an evolving story with CMV. Med Microbiol Immunol. 2019;208:281–7.
 7. Kao WH, Kuo CF, Chiou MJ, Liu YC, Wang CC, Hong JH,..**Chuang YF**. Adverse birth outcomes in adolescent and young adult female cancer survivors: a nationwide population-based study. Br J Cancer. 2020;122:918–24.
 8. Chiu YL, Tsai WC, Hung RW, Chen IY, Shu KH, Pan SY, Yang FJ, Ting TT, Jiang JY, Peng YS, **Chuang YF**. Emergence of T cell immunosenescence in diabetic chronic kidney disease. Immun Ageing. 2020 Oct 20;17:31. PMID: 33088331
 9. **Chuang YF**, Varma V, An Y, Tanaka T, Davatzikos C, Resnick SM, et al. Interaction between Apolipoprotein E and Butyrylcholinesterase Genes on Risk of Alzheimer's Disease in a Prospective Cohort Study. *Journal of Alzheimer's Disease.* 2020;75:417-427.
 10. Chiu, Y. L., Tsai, H. H., Lai, Y. J., Tseng, H. Y., Wu, Y. W., Peng, Y. Sen, ... **Chuang, Y. F.** (2019). Cognitive impairment in patients with end-stage renal disease: Accelerated brain aging? *Journal of the Formosan Medical Association.* 2019 May;118(5):867-875.
 11. Chiu, Y.-L., Shu, K.-H., Yang, F.-J., Chou, T.-Y., Chen, P.-M., Lay, F.-Y., ... **Chuang, Y.-F.** (2018). A comprehensive characterization of aggravated aging-related changes in T lymphocytes and monocytes in end-stage renal disease: the iESRD study. *Immun Ageing.* 2018 Nov 8;15:27
 12. **Chuang YF**, Elango P, Gonzalez CE, Thambisetty M. Midlife anticholinergic drug use, risk of Alzheimer's disease, and brain atrophy in community-dwelling older adults. *Alzheimer's & Dementia: Translational Research & Clinical Interventions.* 2017(3) 471-479
 13. **Chuang YF**, Yang An, Murat Bilgel, Dean F. Wong, Juan C. Troncoso, Richard J. O'Brian, Luigi Ferruci, Susan M. Resnick, Madhav Thambisetty. Midlife Adiposity predicts earlier onset of Alzheimer's dementia, neuropathology and presymptomatic cerebral amyloid accumulation. *Mol Psychiatry.* 2016

Jul;21(7):910-5

14. Carlson MC, Kuo JH, **Chuang YF**, Varma VR, Harris G, Albert MS, Erickson KI, Kramer AF, Parisi JM, Xue QL, Tan EJ, Tanner EK, Gross AL, Seeman TE, Gruenewald TL, McGill S, Rebok GW, Fried LP. Impact of the Baltimore Experience Corps Trial on cortical and hippocampal volumes. *Alzheimers Dement.* 2015 Nov;11(11):1340-8
15. **Chuang YF**, Tanaka T, Beason-Held LL, An Y, Terracciano A, Sutin AR, Kraut M, Singleton AB, Resnick SM, Thambisetty M. FTO genotype and Aging: pleiotropic longitudinal effects on adiposity, brain function, impulsivity and food preference. *Molecular Psychiatry* 2015 Feb;20(1):140-
16. **Chuang YF**, Breitner JC, Chiu YL, Khachaturian A, Hayden K, Corcoran C, Tschanz J, Norton M, Munger R, Welsh-Bohmer K, Zandi PP; For the Cache County Investigators. Use of diuretics is associated with reduced risk of Alzheimer's disease: The Cache County Study. *Neurobiology of aging* 2014 Nov;35(11):2429-35
17. **Chuang YF**, Eldreth D, Erickson KI, Varma V, Harris G, Fried LP, Rebok GW, Tanner EK, Carlson MC. Cardiovascular risks and brain function: a functional magnetic resonance imaging study of executive function in older adults. *Neurobiology of aging* 2014 Jun;35(6):1396-403
18. **Chuang YF**, Hayden KM, Norton MC, Tschanz J, Breitner JC, Welsh-Bohmer KA, Zandi PP., for the Cache County Investigators. Association between APOE epsilon4 allele and vascular dementia: The Cache County study. *Dement Geriatr Cogn Disord.* 2010; 29(3):248-53
19. Chiu YL, **Chuang YF**, Fang KC, Liu SK, Chen HY, Yang JY, Pai MF, Peng YS, Wu KD, Tsai TJ. Higher systemic inflammation is associated with poorer sleep quality in stable haemodialysis patients. *Nephrol Dial Transplant.* 2009 Jan;24(1):247-51

Book Chapter

1. Vijay R Varma, **Yi-Fang Chuang**, and Madhav Thambisetty. Neuroimaging and fluid biomarkers of Alzheimer's disease: Implications for definition, diagnosis, and treatment. In *Oxford Textbook of Neurologic and Neuropsychiatric Epidemiology* (ed. Carol Brayne , Valery L. Feigin, Lenore J. Launer , and Giancarlo Logroscino) Oxford University Press, Inc., New York, New York, 2021
2. Carlson, M.C., Eldreth, D., **Chuang, Y.-F.** & Eaton, W.W. Mental Disorders Across the Life Span and the Role of Executive Function Networks. in *Public Mental Health* (ed. Eaton, W.W.) 245-268 (Oxford University Press, Inc., New York, New York, 2013).

Grants

計畫名稱 (請註明計畫編號)	計畫內擔任之工作	執行年度	補助或委託機構
腎病患者慢性發炎與認知功能退化及腦部影像變化之關聯性研究 105FN13	計畫主持人	105/01-106/04	亞東陽明合作計畫
尋找阿滋海默症之週邊血液生物標記：運用蛋白質體學之技術 MOST105-2314-B-010-002	計畫主持人	105/04-106/10	科技部
腎病患者睡眠障礙與認知功能及腦部影像變化之關係 -- 探討免疫發炎反應為中介因子 106DN13	計畫主持人	106/01-106/12	亞東陽明合作計畫
輕度認知功能障礙之流行病學:運用前瞻性世代研究，腦影像及生物標記 MOST106-2628-B-010-001-MY4	計畫主持人	107/08-110/08	科技部優秀年輕學者計畫