

# Stanford

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## Feng Vankee Lin

Clinical Professor, Psychiatry and Behavioral Sciences

Curriculum Vitae available Online

### Bio

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#### BIO

My career has been devoted to understanding the neural mechanisms involved in brain aging and brain plasticity, with a special focus on early detection and prevention of Alzheimer's disease (AD). My research approach integrates principles and findings from cognitive theory, clinical neuroscience, and computational neuroscience. This approach is complemented by my extensive research experience involving multi-modality neuroimaging (PET, sMRI, dMRI, and fMRI), psychophysiology, neuropsychology, and quantitative research methods. I currently lead an interdisciplinary clinical neuroscience lab, covering a wide spectrum of research from Phases 0-2 in three areas: (a) brain aging, focusing on the links between brain pathophysiology and clinical symptoms, in a wide range of populations, from older adults with superior cognitive capacity to preclinical and prodromal AD, with an overarching aim to gain insights into the broad mechanisms of aging, both in typical and atypical populations and to identify early biomarkers for AD; (b) novel non-pharmacological interventions that promote successful cognitive aging as well as alleviate or eliminate adverse effects of AD pathophysiology; and (c) advanced computational models (e.g., explainable AI) for understanding and intervening on brain aging.

#### ACADEMIC APPOINTMENTS

- Clinical Professor, Psychiatry and Behavioral Sciences
- Member, Wu Tsai Neurosciences Institute

#### BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Member, Nonpharmacological Interventions Committee, Alzheimer's Clinical Trials Consortium, NIH (2018 - present)
- Invited lecturer, NIH CSR (2022 - present)
- Standing member, SPIP study panel, NIH (2020 - present)

#### PROFESSIONAL EDUCATION

- BA, Jilin University, China (2005)
- Medical education, Jilin University, China (2006)
- PhD, University of Wisconsin-Madison (2011)
- Postdoc, University of Rochester (2013)

#### LINKS

- <https://www.cogtlab.com/>: https://www.cogtlab.com/

## Research & Scholarship

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### CURRENT RESEARCH AND SCHOLARLY INTERESTS

My career has been devoted to understanding the neural mechanisms involved in brain aging and brain plasticity, with a special focus on early detection and prevention of Alzheimer's disease (AD). My research approach integrates principles and findings from cognitive theory, clinical neuroscience, and computational neuroscience. This approach is complemented by my extensive research experience involving multi-modality neuroimaging (PET, sMRI, dMRI, and fMRI), psychophysiology, neuropsychology, and quantitative research methods. I currently lead an interdisciplinary clinical neuroscience lab, covering a wide spectrum of research from Phases 0-2 in three areas: (a) brain aging, focusing on the links between brain pathophysiology and clinical symptoms, in a wide range of populations, from older adults with superior cognitive capacity to preclinical and prodromal AD, with an overarching aim to gain insights into the broad mechanisms of aging, both in typical and atypical populations and to identify early biomarkers for AD; (b) novel non-pharmacological interventions that promote successful cognitive aging as well as alleviate or eliminate adverse effects of AD pathophysiology; and (c) advanced computational models (e.g., explainable AI) for understanding and intervening on brain aging.

### CLINICAL TRIALS

- Breathing, Relaxation, Attention Training, & Health in Older Adults (BREATHE), Recruiting
- CogT BEEM Study (a tDCS Study), Recruiting
- Applying a Person-Centered Approach to Enhance Cognitive Training in Senior Living Community Residents With Mild Cognitive Impairment, Not Recruiting
- HARP-Project 1 Cognitive Training, Not Recruiting
- Vision-based Speed of Processing Cognitive Training and Mild Cognitive Impairment, Not Recruiting

## Teaching

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### STANFORD ADVISEES

#### Postdoctoral Research Mentor

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## Publications

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### PUBLICATIONS

- **Positive affect disrupts neurodegeneration effects on cognitive training plasticity in older adults.** *Social cognitive and affective neuroscience*  
Anthony, M., Turnbull, A., Tadin, D., Lin, F. V.  
2024
- **Autonomic nervous system flexibility for understanding brain aging.** *Ageing research reviews*  
Lin, F. V., Heffner, K. L.  
2023; 102016
- **Improving comparability across cognitive training trials for brain aging: A focus on interoperability.** *Alzheimer's & dementia (New York, N. Y.)*  
Turnbull, A., Seitz, A., Lin, F. V.  
2023; 9 (3): e12405
- **New horizons in emotional well-being and brain aging: Potential lessons from cross-species research.** *International journal of geriatric psychiatry*  
Lin, F. V., Zuo, Y., Conwell, Y., Wang, K. H.  
2023; 38 (6): e5936
- **Influence of affective states on informant impression of neuropsychiatric symptoms in people living with MCI.** *Aging & mental health*  
Therrien, S., Turnbull, A., Anthony, M., Conwell, Y., Lin, F. V.  
2023; 1-6
- **WHAT MATTERS MOST: A NEEDS ASSESSMENT OF OLDER ADULTS**

- Pate, R., Cassidy-Eagle, E., Gould, C., Makowski, M., Herbst, S., Saxena, P., Kim, D., Wroolie, T., Therrien, S., Lin, F., Sommer, B., Thompson, D.  
ELSEVIER SCIENCE INC.2023: S93
- **THE NEW BRAIN AGING NETWORK - OPENING A WINDOW ON RELATIONSHIPS BETWEEN EMOTIONAL WELL-BEING AND THE AGING BRAIN**  
Conwell, Y., Lin, F., Van Orden, K., Samus, Q.  
ELSEVIER SCIENCE INC.2023: S23-S24
  - **SHARED AND UNIQUE FUNCTIONAL CONNECTIVITY CORRELATES OF GERIATRIC DEPRESSION SUBSCALES**  
Saxena, P., Turnbull, A., Sommer, B., Kim, D., Lin, F.  
ELSEVIER SCIENCE INC.2023: S103-S104
  - **Can Emotional Well-Being Maintain Health and Prevent Suicide in Later Life? A National Priority for Research.** *The American journal of geriatric psychiatry : official journal of the American Association for Geriatric Psychiatry*  
Conwell, Y., Lin, F. V., Wang, K. H.  
2023
  - **Heart rate variability and risk of agitation in Alzheimer's disease: the Atherosclerosis Risk in Communities Study.** *Brain communications*  
Liu, K. Y., Whitsel, E. A., Heiss, G., Palta, P., Reeves, S., Lin, F. V., Mather, M., Roiser, J. P., Howard, R.  
2023; 5 (6): fcad269
  - **Brain imaging studies of emotional well-being: a scoping review.** *Frontiers in psychology*  
Richter, C. G., Li, C. M., Turnbull, A., Haft, S. L., Schneider, D., Luo, J., Lima, D. P., Lin, F. V., Davidson, R. J., Hoeft, F.  
2023; 14: 1328523
  - **Effect of online tDCS to left somatomotor cortex on neuropsychiatric symptoms among older adults at risk for dementia.** *Cortex; a journal devoted to the study of the nervous system and behavior*  
Turnbull, A., Anthony, M., Tadin, D., Porsteinsson, A. P., Heffner, K., Lin, F. V.  
2022; 159: 131-141
  - **A Multi-Dimensional Model of Fatigue in Old Age: Implications for Brain Aging.** *The American journal of geriatric psychiatry : official journal of the American Association for Geriatric Psychiatry*  
Lin, F. V.  
2022
  - **Unifying framework for cognitive training interventions in brain aging.** *Ageing research reviews*  
Turnbull, A., Seitz, A., Tadin, D., Lin, F. V.  
2022: 101724
  - **A Novel Explainability Approach for Technology-Driven Translational Research on Brain Aging.** *Journal of Alzheimer's disease : JAD*  
Turnbull, A., Kaplan, R., Adeli, E., Lin, F. V.  
2022
  - **Enhancing Cortical Network-level Participation Coefficient as a Potential Mechanism for Transfer in Cognitive Training in aMCI.** *NeuroImage*  
Chen, Q., Turnbull, A., Cole, M., Zhang, Z., Lin, F. V.  
2022: 119124
  - **Age-related changes in ongoing thought relate to external context and individual cognition.** *Consciousness and cognition*  
Turnbull, A., Poerio, G. L., Ho, N. S., Martinon, L. M., Riby, L. M., Lin, F. V., Jefferies, E., Smallwood, J.  
2021; 96: 103226
  - **Targeting autonomic flexibility to enhance cognitive training outcomes in older adults with mild cognitive impairment: study protocol for a randomized controlled trial.** *Trials*  
Lin, F. V., Heffner, K., Gevirtz, R., Zhang, Z., Tadin, D., Porsteinsson, A.  
2021; 22 (1): 560
  - **Increased segregation of structural brain networks underpins enhanced broad cognitive abilities of cognitive training** *HUMAN BRAIN MAPPING*  
Chen, Q., Baran, T. M., Turnbull, A., Zhang, Z., Rebok, G. W., Lin, F.  
2021

- **ONLINE, COMPUTERIZED BRAIN TRAINING TO PROMOTE STRESS ADAPTATION AND IMMUNE HEALTH IN CAREGIVERS OF A FAMILY MEMBER WITH DEMENTIA: RATIONALE AND ENGAGEMENT DATA FROM AN ONGOING CLINICAL TRIAL**  
Heffner, K. L., Swan, J., Quinones, M., Gallegos, A., Lin, F.  
OXFORD UNIV PRESS INC.2021: S546
- **Subjective memory in adults over 50 years of age: associations with affective and physiological markers of emotion regulation AGING & MENTAL HEALTH**  
Heffner, K. L., Quinones, M. M., Gallegos, A. M., Crean, H. F., Lin, F., Suhr, J. A.  
2021: 1-9
- **Brain Small-Worldness Properties and Perceived Fatigue in Mild Cognitive Impairment.** *The journals of gerontology. Series A, Biological sciences and medical sciences*  
Kukla, B., Anthony, M., Chen, S., Turnbull, A., Baran, T. M., Lin, F. V.  
2021
- **Attitudes Toward Computers Moderate the Effect of Computerized Cognitive Trainings in Oldest-Old Senior Living Center Residents AMERICAN JOURNAL OF GERIATRIC PSYCHIATRY**  
Lin, F., Cottone, K., McDermott, K., Jacobs, A., Nelson, D., Porsteinsson, A., Chapman, B. P.  
2021; 29 (3): 285-294
- **Learning Clique Subgraphs in Structural Brain Network Classification with Application to Crystallized Cognition NEUROIMAGE**  
Wang, L., Lin, F., Cole, M., Zhang, Z.  
2021; 225: 117493
- **EMOTIONAL WELL-BEING HUMAN STUDIES**  
Lin, F.  
OXFORD UNIV PRESS.2021: 203
- **Functional brain mapping in patients with chronic back pain shows age-related differences. Pain**  
Baran, T. M., Lin, F. V., Geha, P.  
2021
- **AGE-RELATED CHANGES IN ONGOING THOUGHT RELATE TO EXTERNAL CONTEXT AND INDIVIDUAL COGNITION**  
Turnbull, A., Poerio, G., Lin, F., Smallwood, J.  
OXFORD UNIV PRESS.2021: 959
- **Longitudinal stability of medial temporal lobe connectivity is associated with tau-related memory decline ELIFE**  
Chen, Q., Turnbull, A., Baran, T. M., Lin, F.  
2020; 9
- **Brain structural connectomes indicate shared neural circuitry involved in subjective experience of cognitive and physical fatigue in older adults BRAIN IMAGING AND BEHAVIOR**  
Baran, T. M., Zhang, Z., Anderson, A., McDermott, K., Lin, F.  
2020; 14 (6): 2488-2499
- **Decoding individual identity from brain activity elicited in imagining common experiences NATURE COMMUNICATIONS**  
Anderson, A., McDermott, K., Rooks, B., Heffner, K. L., Dodell-Feder, D., Lin, F. V.  
2020; 11 (1): 5916
- **Cortical thickness and resting-state cardiac function across the lifespan: A cross-sectional pooled mega-analysis PSYCHOPHYSIOLOGY**  
Koenig, J., Abler, B., Agartz, I., Akerstedt, T., Andreassen, O. A., Anthony, M., Baer, K., Bertsch, K., Brown, R. C., Brunner, R., Carnevali, L., Critchley, H. D., Cullen, et al  
2020
- **Autonomic flexibility reflects learning and associated neuroplasticity in old age HUMAN BRAIN MAPPING**  
Chen, Q., Yang, H., Rooks, B., Anthony, M., Zhang, Z., Tadin, D., Heffner, K. L., Lin, F.  
2020; 41 (13): 3608-3619
- **Processing speed and attention training modifies autonomic flexibility: A mechanistic intervention study NEUROIMAGE**  
Lin, F., Tao, Y., Chen, Q., Anthony, M., Zhang, Z., Tadin, D., Heffner, K. L.

2020; 213: 116730

- **Dysregulation of inflammation, neurobiology, and cognitive function in PTSD: an integrative review** *COGNITIVE AFFECTIVE & BEHAVIORAL NEUROSCIENCE*  
Quinones, M. M., Gallegos, A. M., Lin, F., Heffner, K.  
2020; 20 (3): 455-480
- **A generic brain connectome map linked to different types of everyday decision-making in old age** *BRAIN STRUCTURE & FUNCTION*  
Rooks, B., Anthony, M., Chen, Q., Lin, Y., Baran, T., Zhang, Z., Lichtenberg, P. A., Li, F.  
2020; 225 (4): 1389-1400
- **Blood biomarkers as surrogate endpoints of treatment responses to aerobic exercise and cognitive training (ACT) in amnestic mild cognitive impairment: the blood biomarkers study protocol of a randomized controlled trial (the ACT Trial)** *TRIALS*  
Li, D., Mielke, M. M., Bell, W., Reilly, C., Zhang, L., Lin, F., Yu, F.  
2020; 21 (1): 19
- **Cognitively supernormal older adults maintain a unique structural connectome that is resistant to Alzheimer's pathology** *NEUROIMAGE-CLINICAL*  
Chen, Q., Baran, T. M., Rooks, B., O'Banion, M., Mapstone, M., Zhang, Z., Lin, F., Alzheimers Dis Neuroimaging  
2020; 28: 102413
- **An Integrated Neural Decoder of Linguistic and Experiential Meaning** *JOURNAL OF NEUROSCIENCE*  
Anderson, A., Binder, J. R., Fernandino, L., Humphries, C. J., Conant, L. L., Raizada, R. S., Lin, F., Lalor, E. C.  
2019; 39 (45): 8969-8987
- **Insula and putamen centered functional connectivity networks reflect healthy agers' subjective experience of cognitive fatigue in multiple tasks** *CORTEX*  
Anderson, A. J., Ren, P., Baran, T. M., Zhang, Z., Lin, F.  
2019; 119: 428-440
- **Stress adaptation in older adults with and without cognitive impairment: an fMRI pattern-based similarity analysis** *AGING-US*  
Wang, X., Heffner, K. L., Anthony, M., Lin, F.  
2019; 11 (17): 6792-6804
- **Multiple Regions of a Cortical Network Commonly Encode the Meaning of Words in Multiple Grammatical Positions of Read Sentences** *CEREBRAL CORTEX*  
Anderson, A., Lalor, E. C., Lin, F., Binder, J. R., Fernandino, L., Humphries, C. J., Conant, L. L., Raizada, R. S., Grimm, S., Wang, X.  
2019; 29 (6): 2396-2411
- **Longitudinal Relationship Between Frailty and Cognition in Patients 50 Years and Older with Breast Cancer** *JOURNAL OF THE AMERICAN GERIATRICS SOCIETY*  
Magnuson, A., Lei, L., Gilmore, N., Kleckner, A. S., Lin, F., Ferguson, R., Hurria, A., Wittink, M. N., Esparaz, B. T., Giguere, J. K., Misleh, J., Bautista, J., Mohile, et al  
2019; 67 (5): 928-936
- **Cognitive fatigue and cortical-striatal network in old age** *AGING-US*  
Ren, P., Anderson, A. J., McDermott, K., Baran, T. M., Lin, F.  
2019; 11 (8): 2312-2326
- **Cognitive and physical factors affecting daily function in Alzheimer's disease: A cross-sectional analysis** *NURSING & HEALTH SCIENCES*  
Yu, F., Chen, Y., Mathiason, M. A., Wan, Q., Lin, F. V.  
2019; 21 (1): 14-20
- **The mediating role of hippocampal networks on stress regulation in amnestic mild cognitive impairment** *NEUROBIOLOGY OF STRESS*  
McDermott, K., Ren, P., Lin, F.  
2019; 10: 100162
- **Identify a shared neural circuit linking multiple neuropsychiatric symptoms with Alzheimer's pathology** *BRAIN IMAGING AND BEHAVIOR*  
Wang, X., Ren, P., Mapstone, M., Conwell, Y., Porsteinsson, A. P., Foxe, J. J., Raizada, R. S., Lin, F., Alzheimer's Dis Neuroimaging In  
2019; 13 (1): 53-64
- **How pattern information analyses of semantic brain activity elicited in language comprehension could contribute to the early identification of Alzheimer's Disease** *NEUROIMAGE-CLINICAL*

Anderson, A., Lin, F.

2019; 22: 101788

● **Longitudinal Functional Brain Mapping in Supernormals.** *Cerebral cortex (New York, N.Y. : 1991)*

Wang, X., Ren, P., Baran, T. M., Raizada, R. D., Mapstone, M., Lin, F.

2019; 29 (1): 242-252

● **Health Risk Prediction Models Incorporating Personality Data: Motivation, Challenges, and Illustration PERSONALITY DISORDERS-THEORY RESEARCH AND TREATMENT**

Chapman, B. P., Lin, F., Roy, S., Benedict, R. B., Lyness, J. M.

2019; 10 (1): 46-58

● **Efficacy and mechanisms of combined aerobic exercise and cognitive training in mild cognitive impairment: study protocol of the ACT trial TRIALS**

Yu, F., Lin, F., Salisbury, D. L., Shah, K. N., Chow, L., Vock, D., Nelson, N. W., Porsteinsson, A. P., Jack, C.

2018; 19: 700

● **A Systematic Review for Functional Neuroimaging Studies of Cognitive Reserve Across the Cognitive Aging Spectrum ARCHIVES OF CLINICAL NEUROPSYCHOLOGY**

Anthony, M., Lin, F.

2018; 33 (8): 937-948

● **Noncognitive Behavioral Changes Associated With Alzheimer's Disease: Implications of Neuroimaging Findings JOURNAL OF NEUROPSYCHIATRY AND CLINICAL NEUROSCIENCES**

Victoroff, J., Lin, F. V., Coburn, K. L., Shillcutt, S. D., Voon, V., Ducharme, S.

2018; 30 (1): 14-21

● **The impact of a positive cognitive impairment screen on conversations between patients, caregivers, and oncologists: A UR NCORP randomized study.**

Magnuson, A., Lei, L., Janelsins, M., Culakova, E., Lin, F., Gilles, M., Hurria, A., Dale, W., Duberstein, P., Wittink, M., Wells, M., Gilmore, N., Hamel, et al  
AMER SOC CLINICAL ONCOLOGY.2018

● **Geriatric assessment with management intervention in older adults with cancer: a randomized pilot study SUPPORTIVE CARE IN CANCER**

Magnuson, A., Lemelman, T., Pandya, C., Goodman, M., Noel, M., Tejani, M., Doughtery, D., Dale, W., Hurria, A., Janelsins, M., Lin, F., Heckler, C., Mohile, et al

2018; 26 (2): 605–13

● **Apolipoprotein E genotype impact on memory and attention in older persons: the moderating role of personality phenotype INTERNATIONAL JOURNAL OF GERIATRIC PSYCHIATRY**

Chapman, B. P., Benedict, R. B., Lin, F., Roy, S., Porteinsson, A., Szigeti, K., Federoff, H., Mapstone, M.

2018; 33 (2): 332-339

● **Amyloid and FDG PET of Successful Cognitive Aging: Global and Cingulate-Specific Differences JOURNAL OF ALZHEIMERS DISEASE**

Baran, T. M., Lin, F.

2018; 66 (1): 307-318

● **Functional and structural connectivity of the amygdala underpins locus of control in mild cognitive impairment NEUROIMAGE-CLINICAL**

Ren, P., Chapman, B., Zhang, Z., Schifitto, G., Lin, F.

2018; 20: 297-304

● **Cortical thickness is associated with altered autonomic function in cognitively impaired and non-impaired older adults JOURNAL OF PHYSIOLOGY-LONDON**

Lin, F., Ren, P., Wang, X., Anthony, M., Tadin, D., Heffner, K. L.

2017; 595 (22): 6969-6978

● **Acute Affective Reactivity and Quality of Life in Older Adults with Amnestic Mild Cognitive Impairment: A Functional MRI Study AMERICAN JOURNAL OF GERIATRIC PSYCHIATRY**

Ren, P., Heffner, K. L., Jacobs, A., Lin, F.

2017; 25 (11): 1225-1233

● **Personality and Performance in Specific Neurocognitive Domains Among Older Persons AMERICAN JOURNAL OF GERIATRIC PSYCHIATRY**

Chapman, B. P., Benedict, R. H., Lin, F., Roy, S., Federoff, H. J., Mapstone, M.

2017; 25 (8): 900-908

- **Amygdala functional connectivity is associated with locus of control in the context of cognitive aging** *NEUROPSYCHOLOGIA*  
Ren, P., Anthony, M., Chapman, B. P., Heffner, K., Lin, F.  
2017; 99: 199-206
- **What success can teach us about failure: the plasma metabolome of older adults with superior memory and lessons for Alzheimer's disease** *NEUROBIOLOGY OF AGING*  
Mapstone, M., Lin, F., Nalls, M. A., Cheema, A. K., Singleton, A. B., Fiandaca, M. S., Federoff, H. J.  
2017; 51: 148-155
- **Activity engagement and physical function in old age sample** *ARCHIVES OF GERONTOLOGY AND GERIATRICS*  
Shah, K. N., Lin, F. V., Yu, F., McMahon, J. M.  
2017; 69: 55-60
- **Identification of Successful Cognitive Aging in the Alzheimer's Disease Neuroimaging Initiative Study** *JOURNAL OF ALZHEIMERS DISEASE*  
Lin, F. V., Wang, X., Wu, R., Rebok, G. W., Chapman, B. P., Alzheimer's Dis Neuroimaging  
2017; 59 (1): 101-111
- **Insula and Inferior Frontal Gyrus' Activities Protect Memory Performance Against Alzheimer's Disease Pathology in Old Age** *JOURNAL OF ALZHEIMERS DISEASE*  
Lin, F., Ren, P., Lo, R. Y., Chapman, B. P., Jacobs, A., Baran, T. M., Porsteinsson, A. P., Foxe, J. J., Alzheimers Dis Neuroimaging Initia  
2017; 55 (2): 669-678
- **The cingulate cortex of older adults with excellent memory capacity** *CORTEX*  
Lin, F., Ren, P., Mapstone, M., Meyers, S. P., Porsteinsson, A., Baran, T. M., Alzheimer's Dis Neuroimaging Initi  
2017; 86: 83-92
- **A Role of the Parasympathetic Nervous System in Cognitive Training** *CURRENT ALZHEIMER RESEARCH*  
Lin, F., Heffner, K. L., Ren, P., Tadin, D.  
2017; 14 (7): 784-789
- **ACTIVITY OF INSULAR AND INFERIOR FRONTAL GYRUS PROTECT MEMORY AGAINST ALZHEIMER'S PATHOLOGY**  
Lin, F., Ren, P., Lo, R., Chapman, B., Jacobs, A., Baran, T., Porsteinsson, A.  
OXFORD UNIV PRESS INC.2016: 535-536
- **CRITICAL GERONTOLOGY AND LIFE COURSE PERSPECTIVES A NEW FRAMEWORK FOR UNDERSTANDING LIFESPAN COGNITIVE DEVELOPMENT**  
Wu, R., Hannagan, T., Rebok, G., Lin, F.  
OXFORD UNIV PRESS INC.2016: 224
- **LONGITUDINAL FUNCTIONAL DECLINE OF THE STRIATUM IN MILD COGNITIVE IMPAIRMENT**  
Ren, P., Lo, R., Chapman, B., Mapstone, M., Porsteinsson, A., Lin, F.  
OXFORD UNIV PRESS INC.2016: 535
- **Cognitive and Neural Effects of Vision-Based Speed-of-Processing Training in Older Adults with Amnestic Mild Cognitive Impairment: A Pilot Study** *JOURNAL OF THE AMERICAN GERIATRICS SOCIETY*  
Lin, F., Heffner, K. L., Ren, P., Tivarus, M. E., Brasch, J., Chen, D., Mapstone, M., Porsteinsson, A. P., Tadin, D.  
2016; 64 (6): 1293-1298
- **Mental Fatigability and Heart Rate Variability in Mild Cognitive Impairment** *AMERICAN JOURNAL OF GERIATRIC PSYCHIATRY*  
Lin, F., Ren, P., Cotton, K., Porsteinsson, A., Mapstone, M., Heffner, K. L.  
2016; 24 (5): 374-378
- **Trajectories of Neuropsychiatric Symptoms and Cognitive Decline in Mild Cognitive Impairment**  
David, N., Lin, F., Porsteinsson, A. P.  
ELSEVIER SCIENCE INC.2016: S113-S115
- **A Novel Theoretical Life Course Framework for Triggering Cognitive Development across the Lifespan** *HUMAN DEVELOPMENT*  
Wu, R., Rebok, G. W., Lin, F.  
2016; 59 (6): 342-365

- **Trajectories of Neuropsychiatric Symptoms and Cognitive Decline in Mild Cognitive Impairment** *AMERICAN JOURNAL OF GERIATRIC PSYCHIATRY*  
David, N. D., Lin, F., Porsteinsson, A. P., Alzheimers Dis Neuroimaging Initia  
2016; 24 (1): 70-80
- **Longitudinal Alteration of Intrinsic Brain Activity in the Striatum in Mild Cognitive Impairment** *JOURNAL OF ALZHEIMERS DISEASE*  
Ren, P., Lo, R. Y., Chapman, B. P., Mapstone, M., Porsteinsson, A., Lin, F., Alzheimer's Dis Neuroimaging Initi  
2016; 54 (1): 69-78
- **Distraction from Novel Information vs. Existing Knowledge in Aging Adults**  
Wu, R., Lin, F.  
OXFORD UNIV PRESS INC.2015
- **Mechanisms Linking Depression and Cognitive Impairment: A Systematic Review of Neuroimaging Studies**  
Cotton, K., Jacobs, A., Ren, P., Lin, F.  
OXFORD UNIV PRESS INC.2015
- **Stress regulation as a link between executive function and pre-frailty in older adults** *JOURNAL OF NUTRITION HEALTH & AGING*  
Roiland, R. A., Lin, F., Phelan, C., Chapman, B. P.  
2015; 19 (8): 828-838
- **Feasibility study of an attention training application for older adults** *INTERNATIONAL JOURNAL OF OLDER PEOPLE NURSING*  
Hill, N. L., Mogle, J., Colancecco, E., Dick, R., Hannan, J., Lin, F.  
2015; 10 (3): 241-249
- **The Moderating Effect of Personality Type on the Relationship Between Leisure Activity and Executive Control in Older Adults** *ACTIVITIES ADAPTATION & AGING*  
Hill, N. L., Lin, F., Parisi, J. M., Kolanowski, A.  
2015; 39 (2): 153-176
- **Linking cognition and frailty in middle and old age: metabolic syndrome matters** *INTERNATIONAL JOURNAL OF GERIATRIC PSYCHIATRY*  
Lin, F., Roiland, R., Chen, D., Qiu, C.  
2015; 30 (1): 64-71
- **Cusp Catastrophe Polynomial Model: Power and Sample Size Estimation.** *Open journal of statistics*  
Chen, D. D., Chen, X. J., Lin, F., Tang, W., Lio, Y. L., Guo, T. Y.  
2014; 4 (10): 803-813
- **Fatigability Disrupts Cognitive Processes' Regulation of Inflammatory Reactivity in Old Age** *AMERICAN JOURNAL OF GERIATRIC PSYCHIATRY*  
Lin, F., Roiland, R., Polesskaya, O., Chapman, B., Johnson, M., Brasch, J., Chen, D., Mapstone, M.  
2014; 22 (12): 1544-1554
- **EXECUTIVE HOMEOSTATIC NETWORK IN MILD COGNITIVE IMPAIRMENT**  
Lin, F., Cole, D., Cotton, K.  
OXFORD UNIV PRESS INC.2014: 78
- **Frequency of Mentally Stimulating Activities Modifies the Relationship Between Cardiovascular Reactivity and Executive Function in Old Age** *AMERICAN JOURNAL OF GERIATRIC PSYCHIATRY*  
Lin, F., Heffner, K., Mapstone, M., Chen, D., Porsteisson, A.  
2014; 22 (11): 1210-1221
- **Evaluation of objective and perceived mental fatigability in older adults with vascular risk** *JOURNAL OF PSYCHOSOMATIC RESEARCH*  
Lin, F., Roiland, R., Heffner, K., Johnson, M., Chen, D., Mapstone, M.  
2014; 76 (6): 458-464
- **Cusp Catastrophe Model A Nonlinear Model for Health Outcomes in Nursing Research** *NURSING RESEARCH*  
Chen, D., Lin, F., Chen, X., Tang, W., Kitzman, H.  
2014; 63 (3): 211-220
- **Associations between depressive symptoms and memory deficits vary as a function of insulin-like growth factor (IGF-1) levels in healthy older adults** *PSYCHONEUROENDOCRINOLOGY*

- Lin, F., Suhr, J., Diebold, S., Heffner, K. L.  
2014; 42: 118-123
- **Profiles of Objective and Self- and Informant-Reported Language Abilities in Older Adults with Mild Cognitive Impairment**  
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