

CURRICUM VITAE

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Feng Vankee Lin, Ph.D., M.B., RN

CONTACT INFO

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RESEARCH AREAS

- Elucidating behavioral, cognitive, and neural mechanisms of cognitive aging, both in neurotypical populations and in neurodegenerative diseases (such as Alzheimer's disease).
- Developing neuroplasticity-based interventions to prevent or slow cognitive decline in neurotypical populations and disease progress in aging-associated neurodegenerative diseases.
- Inventing computational models for understanding cognitive aging.

EDUCATION

2013 Post-doctoral fellow in Departments of Neurology and Psychiatry, University of Rochester Medical Center, Rochester, NY

Training areas: Neurobiology of dementia prevention

Mentors: *Mark Mapstone, PhD (Neurology), Anton Porsteinsson, MD (Psychiatry), Dujie Tadin, PhD (Brain and Cognitive Science)*

2011 Ph.D. in Nursing (distributed minor in Aging Studies), University of Wisconsin-Madison, Madison, WI

Dissertation: *"Representations, Coping, and Health Outcomes in Older Adults with Mild Cognitive Impairment"*

Major advisor: *Susan Heidrich, PhD, RN*

2009 M.S. in Nursing, University of Wisconsin-Madison, Madison, WI

2006 M.B. in Medicine, Jilin University, China

Honors project: *"Relationship between Depression and Constipation in Hospitalized Geriatric Patients"*

Major advisor: *Libin An, M.D.*

2005 A.B. in English, Jilin University, China

LICENSURE

2010-Present Registered Professional Nurse, New York State Board (License Number: 638961)

CURRENT ACADEMIC POSITIONS

- 2018-Present Associate Professor (with tenure), School of Nursing, University of Rochester Medical Center, NY
- 2018-Present Associate Professor, Department of Neurology, School of Medicine and Dentistry, University of Rochester Medical Center, NY
- 2018-Present Associate Professor, Department of Neuroscience, School of Medicine and Dentistry, University of Rochester Medical Center, NY
- 2018-Present Associate Professor, Department of Brain and Cognitive Science, University of Rochester, NY
- 2018-Present Associate Professor, Department of Psychiatry, School of Medicine and Dentistry, University of Rochester Medical Center, NY
- 2018-Present Assistant Professor (status), Department of Applied Psychology & Human Development, University of Toronto
- 2016-Present Affiliated faculty, Neuroscience Graduate Program, Department of Neuroscience, School of Medicine and Dentistry, University of Rochester Medical Center, NY

PREVIOUS ACADEMIC POSITIONS

- 2017-2018 Assistant Professor (secondary), Department of Neurology, School of Medicine and Dentistry, University of Rochester Medical Center, NY
- 2017-2018 Assistant Professor (secondary), Department of Neuroscience, School of Medicine and Dentistry, University of Rochester Medical Center, NY
- 2016-2018 Assistant Professor (secondary), Department of Brain and Cognitive Science, University of Rochester, NY
- 2013-2018 Assistant Professor (secondary), Department of Psychiatry, School of Medicine and Dentistry, University of Rochester Medical Center, NY
- 2013-2018 Assistant Professor (primary, tenure-track), School of Nursing, University of Rochester Medical Center, NY
- 2011-2013 Research Associate, AD-CARE (Alzheimer's Disease Care, Research and Education) Program, Department of Psychiatry, University of Rochester Medical Center, NY
- 2011-2013 Research Associate, School of Nursing, University of Rochester Medical Center, NY
- 2008-2011 Graduate Research Assistant, Division of Geriatrics, Department of Medicine, School of Medicine and Public Health, University of Wisconsin, WI

- 2007-2011 Graduate Research Assistant, NIA P50 Alzheimer's Disease Research Center, School of Medicine and Public Health, University of Wisconsin, WI
- 2006-2011 Graduate Research Assistant, School of Nursing, University of Wisconsin-Madison, WI

AWARDS AND FELLOWSHIPS

- 2017 Elaine C. Hubbard Center for Nursing Research on Aging Endowed Award (\$5000), School of Nursing, University of Rochester
- 2017 Terry Family Research Endowed Fund Award (\$7500), School of Nursing, University of Rochester
- 2017 Invited talk with travel fund, Alzheimer's Association International Conference (AAIC).
- 2016 Brilliant New Investigator Award, The Council for the Advancement of Nursing Science (CANS)
- 2016 Dr. Jeremy A. Klainer Endowed Dean's Discretionary Award in Nursing (\$4,000), School of Nursing, University of Rochester
- 2016 Furth Fund Award (\$10,000), Provost's office, University of Rochester
- 2014 Most Promising New Investigator, School of Nursing, University of Rochester
- 2013 Fellow, 13th Annual OBSSR/NHLBI Summer Institute on the Design and Conduct of Randomized Clinical Trials involving Behavioral Interventions, NIH
- 2013 Travel Award, "Aging, the Central Nervous System, and Mobility in Older Adults: Neural Mechanisms of Mobility Impairments" Workshop, The Gerontological Society of America & NIA/NIH
- 2012 Fellow, Summer Research Institute in Geriatric Mental Health, NIMH/NIH
- 2012 Young Investigator Award, American Neuropsychiatric Association
- 2011 Mary L. Keller Memorial Research Scholarship (\$1,000), School of Nursing, University of Wisconsin-Madison
- 2010 Gwen Shapiro Wisconsin Distinguished Fellowship, University of Wisconsin-Madison
- 2010 Travelling Fellowship, International Conference on Alzheimer's Disease (ICAD)
- 2009 Eckburg Fund Research Award, School of Nursing, University of Wisconsin-Madison
- 2009 The Signe Scott Cooper Writing Award, University of Wisconsin-Madison
- 2008 Technical Assistance Workshop Training Fellowship, NIA/NIH

- 2008 Sigma Theta Tau International Beta-Eta-at-Large Chapter Research Award, STTI
- 2006 Best Undergraduate Student Honors Project, Jilin University, China

RESEARCH GRANTS

Pending (to be funded): External

- 2019-2021 NIH/NIMH R21 MH120734-01 “Validate a Shared Neural Circuit Underlying Multiple Neuropsychiatric Symptoms”
Role: PI
Total cost: \$421,361
- 2019-2020 NIH/NIA R01AG055469 Administrative supplement “Efficacy and Mechanisms of Combined Aerobic Exercise and Cognitive Training in MCI”
Role: PI (MPI with Fang Yu)
Total cost: \$153,000

Active: External

- 2018-2019 NIH/NIA R01AG055469 Administrative supplement “Efficacy and Mechanisms of Combined Aerobic Exercise and Cognitive Training in MCI”
Role: PI (MPI with Fang Yu)
Total cost: \$153,000
- 2017-2023 NIH/NIA R01AG055469 “Efficacy and Mechanisms of Combined Aerobic Exercise and Cognitive Training in MCI”
Role: PI (MPI with Fang Yu)
Total cost: \$3,670,000
- 2017-2019 NIH/NIA R21 AG054810 “Applying Person-Centered Approach to Enhance Cognitive Training in Assisted Living Facility Residents with Mild Cognitive Impairment”
Role: PI (MPI with Ben Chapman)
Total cost: \$423,500
- 2017-2019 NIH/NIA R01 AG049764-01 Parent R01 Diversity Supplement “Cognitive Training to Protect Immune Systems of Older Caregivers”
Role: Co-I and Mentor
Total cost: \$194,631
- 2017-2019 NIH/NCATS UL1 TR002001 University of Rochester CTSA Incubator Program “Social Modifiers of Stress Regulation and Healthy Aging”
Role: Co-PI/Project PI
Total cost: \$200,000
- 2016-2019 NIH/NIA R21 AG053193 “Applying a neuroeconomics paradigm in the assessment of central fatigability in aging population”

Role: PI
Total cost: \$421,361

2016-2020 NIH/NIA R01 AG049764 “Cognitive Training to Protect Immune Systems of Older Caregivers”
Role: Co-I
Total cost: \$2,536,619

2015-2019 NIH/NINR R01 NR015452 “Neurophysiological Aspects of Vision-based Speed of Processing Cognitive Training in Older Adults with Mild Cognitive Impairment”
Role: PI
Total cost: \$2,075,234

Active: Internal

2018-2019 Rochester Center for Alzheimer’s Disease
Role: Co-Investigator
Total cost: \$50,000

2017-2018 AR/VR Pilot funding, University of Rochester “Enhancing brain training with virtual reality”
Role: Co-PI
Total cost: \$50,000

Completed: External

2016 NYS DOH16370, DOH01-ISSCI5-2015, SCIRB Institutional Support 2015
Role: Co-PI/Pilot project PI
Total cost: \$18,889 (Lin’s project)

2014-2016 Alzheimer’s Association New Investigator Research Grant, NIRG 14-317353
“Differentiating Neurophysiological Stress Regulation in Alzheimer Disease”
Role: PI
Total cost: \$100,000

2012-2016 NIH/NINR R01 NR013909-01 “Managing Sleep Symptoms and Modifying Mechanisms of Traumatic Stress”
Role: Consultant

2013-2015 NCATS/NIH KL2 TR000095, University of Rochester CTSA “Role of Vision-based Computerized Cognitive Training in Preventing Cognitive and Functional Decline in Older Adults with Mild Cognitive Impairment”
Role: KL2 Scholar/PI
Total cost: \$218,462

2014 Social Science Research Institute, Penn State University, “Feasibility Study of an Attention Training Application for Older Adults using Mobile Technology in Community Settings”
Role: Co-I
Total cost: \$4,608

- 2012-2013 Sigma Theta Tau International Small Grants “Role of Mental Fatigue in Engagement in Cognitively Stimulating Activities in Community-Dwelling Older Adults with Cardiovascular Disease Risk Factors”
Role: PI
Total cost: \$5,000
- 2010-2011 Sigma Theta Tau International/Midwest Nursing Research Society "Representations, Coping, and Health Outcomes among Older Adults with Mild Cognitive Impairment."
Role: PI
Total cost: \$2,454
- 2007-2008 Sigma Theta Tau International Beta-Eta at Large Chapter “IPQ-MCI Feasibility Study”
Role: PI
Total cost: \$1,000
- 2005-2010 NIH/NIA R01 AG022914 “Improving Symptoms in Older Breast Cancer Survivors”
Role: Research Assistant

Completed: Internal

- 2017-2018 Goergen Institute for Data Science Collaborative Pilot Aware Program in Health Analytics, University of Rochester “Apply multivariate pattern analysis to determine multi-modality brain pattern related to Alzheimer’s neuropsychiatric symptoms”
Role: PI
Total cost: \$35,000
- 2013 Elaine Hubbard Fund, University of Rochester, “Mental Fatigue and Pro-inflammatory Cytokines in the Engagement in the Computer-based Cognitive Task in Old Age”
Role: PI
Total cost: \$3,450
- 2010-2011 Eckburg Funding Foundation, University of Wisconsin-Madison, "Representations, Coping, and Health Outcomes among Older Adults with Mild Cognitive Impairment."
Role: PI
Total cost: \$2,500

PATENT

U.S. Prov. Pat. Appln. No. 62/266,116 entitled "Methods and Systems for Cognitive Training Using High Frequency Heart Rate Variability".

U.S. Prov. Pat. Appln. No. 62/163,034 & International PCT No. PCT/US2015/032623 entitled "Metabolomic Biomarkers for Memory Loss"

PEER-REVIEWED PUBLICATIONS

*** Data-based; † equal contribution; # Dr. Lin is a senior author**

1. Chapman BP, **Lin F**, Roy S, Benedict RHB, Lyness JM. Health risk prediction models incorporating personality data: Motivation, challenges, and illustration. *Personality Disorders: Theory, Research, and Treatment*, 10(1).
2. †Yu F, †**Lin FV**, Salisbury DL, Shah KN, Chow L, Vock D, Nelson NW, Porsteinsson AP, Jack C Jr. Efficacy and mechanisms of combined aerobic exercise and cognitive training in mild cognitive impairment: study protocol of the ACT trial. *Trial* (accepted)
3. *#Ren, P., Chapman, B., Zhang, Z., Schifitto, G., & **Lin, F**. Functional and Structural Connectivity of the Amygdala Underpins Locus of Control in Mild Cognitive Impairment. *Neuroimage: Clinical* (accepted)
4. *Anderson, A., Lalor, E., **Lin, F.**, Binder J, Fernandino L., Humphries, C., Conant, L. Raizada, R., Grimm, S., Wang, X., Multiple regions of a cortical network commonly encode the meaning of words in multiple grammatical positions of read sentences (accepted) *Cerebral Cortex*.
5. *Yu F, Chen Y, Mathiason MA, Wan Q, **Lin F**. Cognitive and physical factors affecting daily function in Alzheimer's disease: A cross-sectional analysis. *Nursing and health sciences* (accepted)
6. *#Wang, X., Ren, P., Baran, T., Raizada, R., Mapstone, M., **Lin, F.**, Longitudinal functional brain mapping in Supernormals (accepted) *Cerebral Cortex*.
7. #Anthony, M., & **Lin, F.**, A Systematic Review for Functional Neuroimaging Studies of Cognitive Reserve Across the Cognitive Aging Spectrum. (accepted) *Archives of Clinical Neuropsychology*
8. *Magnuson A, Lemelman T, Pandya C, Goodman M, Noel M, Tejani M, Dougherty D, Dale W, Hurria A, Janelins M, **Lin F**, Heckler C, Mohile S. Geriatric assessment with management intervention in older adults with cancer: a randomized pilot study (accepted). *Supportive Care in Cancer*
9. *#†Wang, X., †Ren, P., Mapstone M., Conwell, Y., Porsteinsson, A., Foxe, J., Raizada, R., **Lin, F.**, Identify a shared neural circuit linking multiple neuropsychiatric symptoms with Alzheimer's pathology (accepted). *Brain, Imaging and Behavior*
10. ***Lin, F.**, Ren, P., Wang, X., Tadin, D., & Heffner, K. Cortical thickness is associated with altered autonomic function in cognitively impaired and non-impaired older adults. (Accept). *the Journal of Physiology*
11. *#Ren, P., Heffner, K., Jacobs, A., & **Lin, F**. Acute Affective Reactivity and Quality of Life in Older Adults with Amnesic Mild Cognitive Impairment: A Functional MRI Study (2017). *The American Journal of Geriatric Psychiatry*.
12. *Chapman B., Benedict, C., **Lin, F.**, Roy, S., Porsteinsson, P., Szigeti, K., Federoff, H., Mapstone, M. Apolipoprotein E Genotype Impact on Memory and Attention in Older Persons: The Moderating Role of Personality Phenotype. (2017). *International Journal of Geriatric Psychiatry*.

13. ***Lin, F.**, Wang, X., Wu, R., Rebok, G., Chapman, B. Identification of successful cognitive aging in the Alzheimer's Disease Neuroimaging Initiative Study. (2017). *Journal of Alzheimer's Disease*.
14. Victoroff, J, **Lin, F.**, Coburn K, Shillcutt, S., Voon, V., Ducharme, S. Non-cognitive behavioral changes associated with Alzheimer's disease. (2017). *Journal of Neuropsychiatry and Clinical Neurosciences*.
15. *Ren, P., Anthony, M., Heffner, K., Chapman, B., & **Lin, F.** Amygdala functional connectivity is associated with locus of control in the context of cognitive aging. (2017). *Neuropsychologia*.
16. Wu, R., Rebok, G., **Lin, F.** A novel theoretical life course framework for triggering cognitive development across the lifespan. (2016). *Human Development*.
17. *Chapman, B., Benedict, R., **Lin, F.**, Roy, S., Federoff, H., Mapstone, M. Personality and performance in specific neurocognitive domains among older persons. (2017). *The American Journal of Geriatric Psychiatry*.
18. ***Lin, F.**, Heffner, K., Ren, P., & Tadin, D. A role of parasympathetic nervous system in cognitive training (2017). *Current Alzheimer's Research*.
19. *Mapstone, M., **Lin, F.**, Nalls, M., Cheema, A., Singleton, A.B., Fiandaca, M., Federoff, H. What Success Can Teach Us About Failure: The Plasma Metabolome of Older Adults with Superior Memory and Lessons for Alzheimer's Disease (2017). *Neurobiology of Aging*.
20. *†Shah, K., †**Lin, F.**, Yu, F., & McMahon, J. Activity Engagement and Physical Function in Old Age: A Nationally Representative Sample (2017). *Archives of Gerontology and Geriatrics*.
21. ***Lin, F.**, Ren, P., Mapstone M., Meyers, S., Porsteinsson, A., Baran, T. The cingulate cortex of older adults with excellent memory capacity (2017). *Cortex*.
22. ***Lin, F.**, Ren, P., Lo, Y., Chapman, B., Jacobs, A., Baran, T., Porsteinsson, A., & Foxe, J., Insula and Inferior Frontal Gyrus' Activations Protect Memory Performance Against Alzheimer's Pathology in Old Age (2017). *Journal of Alzheimer's Disease*. [PMID: 27716674]
23. *Ren, P., Lo, R., Chapman, B., Mapstone, M., Porsteinsson, A., & **Lin., F.** Longitudinal Alteration of Intrinsic Brain Activity in the Striatum in Mild Cognitive Impairment (2016). *Journal of Alzheimer's Disease*, 54(1): 69-78. [PMID: 27472880]
24. ***Lin, F.**, Ren, P., Cotton, K., Porsteinsson, A., Mapstone, M., & Heffner, K. (2016) Mental Fatigability and Heart Rate Variability in Mild Cognitive Impairment. *The American Journal of Geriatric Psychiatry*, 24(5): 374-378. [PMID: 26905050]
25. ***Lin, F.**, Heffner, K., Ren, P., Tivarus, M., Brasch, J., Chen, D., Mapstone, M., Porsteinsson, A., & Tadin D. (2016). Cognitive and Neural Effects of Vision-Based Speed of Processing Training in Older Adults with Amnesic Mild Cognitive Impairment: A Pilot Study. *Journal of the American Geriatrics Society*, 64(6): 1293-1298. [PMID: 27321608]

26. #*†David, N.D., †**Lin, F.**, & Porsteinsson, A. Trajectories of Neuropsychiatric Symptoms and Cognitive Decline in Older Adults with Mild Cognitive Impairment. (2016). *The American Journal of Geriatric Psychiatry*, 24(1): 70-80. [PMID: 26525995]
27. *Hill, N., Mogle J., Colancecco, E., Dick, R. Hannan, J., & **Lin, F.** (2015). Feasibility Study of an Attention Training Application for Older Adults. *International Journal of Older Person Nursing*, 10(3): 214-249. [PMID: 26073545]
28. *†Hill, K., †**Lin, F.**, Parisi, J., & Kolanowski, A. (2015). Personality Clusters Moderate the relationship between leisure activity and executive control in older adults. *Activities, Adaptation and Aging*, 39(2): 153-176. [PMID: 27087715]
29. *†**Lin, F.**, †Roiland R., Chen, DG, & #Qiu, C. Linking cognition and frailty in middle and old age: metabolic syndrome matters (2015). *International Journal of Geriatric Psychiatry*, 30(1): 64-71. [PMID: 24733716]
30. *†Roiland, R., †**Lin, F.**, Phelan, C., & Chapman, B. (2015). Stress regulation as a link between executive function and pre-frailty in older adults. *Journal of Nutrition, Health, and Aging*, 19(8): 828-38. [PMID: 26412287]
31. Chen, D.G., Chen, X., **Lin, F.**, Tang, W. Y.L. and Guo, Y. (2014). Cusp Catastrophe polynomial model: power and sample size determination. *Open Journal of statistics*, 4(10): 803-813. [PMID: 27158562]
32. *†**Lin, F.**, †Lo, R., Cole, D., Ducharme, S., Chen, D., Mapstone, M., Porsteinsson, A., & ADNI group (2014). Longitudinal Effects of Metabolic Syndrome on Alzheimer and Vascular-Related Brain Pathology. *Dementia and Geriatric Cognitive Disorders EXTRA*, 4(2): 184-94. [PMID: 25337075]
33. ***Lin, F.**, Roiland, R., Heffner, K., #Johnson, M., Chen, DG., & Mapstone, M. (2014). Evaluation of objective and perceived mental fatigability in older adults with vascular risk. *Journal of Psychosomatic Research*, 76(6): 458-64. [PMID: 24840140]
34. Chen, D.G., Chen, C., Tang W, & **Lin, F** (2014). Statistical power analysis for Guastello's Cusp Catastrophe Polynomial Regression Model: A simulation-based approach. Lecture in W.G. Kennedy, N. Agarwal, and SJ. Yang (Eds.): SBP 2014, Lecture Notes in Computer Science 8393, pp, 35-41.
35. ***Lin, F.**, Suhr, J., Diebold, S., & Heffner, K. (2014). Associations between depressive symptoms and memory deficits vary as a function of insulin-like growth factor (IGF-1) levels in healthy older adults. *Psychoneuroendocrinology* 42,118-123. [PMID: 24636508]
36. *†Chen, D-G, †**Lin, F.**, Chen, X., Wang, T., & Kitzman, H (2014). Cusp catastrophe model: A nonlinear model for health outcomes in nursing research. *Nursing Research*, 63(3): 211-20. [PMID 24785249]

37. ***Lin, F.**, Roiland, R., Polesskaya, O., Chapman, B., #Johnson, M., Brasch, J., Chen, D., & Mapstone, M. (2014). Fatigability disrupts cognitive processes' regulation of inflammatory reactivity in old age. *The American Journal of Geriatric Psychiatry*, 22(12): 1544-54. [PMID:24388221]
38. #Johnson, M., & **Lin, F.** Communication difficulty and relevant interventions in Mild Cognitive Impairment: Implications for neuroplasticity (2014). *Topics in Geriatric Rehabilitation*, 30(1), 18 – 34. [PMID: 25356002]
39. ***Lin, F.**, Heffner K.L., Mapstone M., Chen D., & Porsteinsson A.P. (2014) Frequency of mentally stimulating activities modifies the relationship between cardiovascular reactivity and executive function in old age. *The American Journal of Geriatric Psychiatry*, 22(11): 1210-21. [PMID: 23891367]
40. ***Lin, F.**, Chen, D., Vance, D. E., Ball, K., & Mapstone, M (2013). Longitudinal relationships of subjective fatigue, cognitive function, and everyday functioning in old age. *International Psychogeriatrics*, 25(2), 275 – 285. [PMID: 23083533]
41. ***Lin, F.**, Chen, D., Vance, D.E., & Mapstone, M. (2013). Trajectories of combined laboratory- and real world-based speed of processing in community-dwelling older adults: Predictors and functional outcomes. *Journal of Gerontology Series B: Psychological Sciences and Social Sciences*, 68(3), 364-373. [PMID: 22967505]
42. **Lin, F.**, Vance, D.E., Gleason, C.E., & Heidrich, S.M. (2012). Taking care of older adults with mild cognitive impairment: An update for nurses. *Journal of Gerontological Nursing*, 38 (12), 22 - 35 (featured as Continuing Nursing Education article). [PMID: 23189995]
43. ***Lin, F.**, Friedman, E., Quinn, J., Chen, D., & Mapstone, M. (2012). Effect of leisure activities on inflammation and cognitive function in an aging sample. *Archives of Gerontology and Geriatrics*, 54(3): e398-404. [PMID: 22377120]
44. ***Lin, F.**, & Heidrich, S. M. (2012). Role of older adult's illness schemata in coping with Mild Cognitive Impairment. *Journal of Psychosomatic Research*, 72(5), 357-363. [PMID: 22469277]
45. Vance, D.E., Kaur, J., Fazeli, P.L., Talley, M.H., Yuen, H.K. & **Lin, F.**, (2012). Neuroplasticity and successful cognitive aging: A brief overview for nursing. *Journal of Neuroscience Nursing*, 44(4):218-227. [PMID: 22743813]
46. ***Lin, F.**, Gleason, C.E., & Heidrich, S.M. (2012). Illness representations in older adults with mild cognitive impairment. *Research in Gerontological Nursing*, 5(3):195-206. [PMID: 22716654]
47. ***Lin F.**, Wharton W, Dowling NM, Ries ML, Johnson SC, Carlsson CM, Asthana S, & Gleason CE. (2010). Awareness of memory abilities in community-dwelling older adults with suspected dementia and mild cognitive impairment. *Dementia and Geriatric Cognitive Disorders*, 30 (1), 83-92. [PMID: 20714155]

SELECTED PUBLISHED ABSTRACTS

(All peer-reviewed conference paper or poster sessions; # supervise student/senior author)

1. #Ren, P., & **Lin, F.**, Longitudinal Functional Decline of the Striatum in Mild Cognitive Impairment, 69th Annual Scientific Meeting, New Orleans, LA from November 16-20, 2016.
2. **Lin, F.** Activity of Insular and Inferior Frontal Gyrus Protect Memory Against Alzheimer's Pathology, 69th Annual Scientific Meeting, New Orleans, LA from November 16-20, 2016.
3. #Cotton, K., Jacobs, A., Ren, P., & **Lin, F.** Potential Mechanisms of Cognitive Reserve Seen in fMRI Studies of Alzheimer's Disease. Poster presentation at The Gerontological Society of America's 68th Annual Scientific Meeting, Orlando, FL from November 18-22, 2015.
4. #Anthony, M. Ren, P., & **Lin, F.** Potential Mechanisms of Cognitive Reserve Seen in fMRI Studies of Alzheimer's Disease. Poster presentation at The Gerontological Society of America's 68th Annual Scientific Meeting, Orlando, FL from November 18-22, 2015.
5. #REN, P., WU, R., MAPSTONE, M., **LIN, F.** Altered functional connectivity of prefrontal cortex underpins the abnormality of intra-individual variability in reaction time in mild cognitive impairment. Poster presentation at SfN's 45th Annual Meeting, Chicago, Illinois from October 17-21, 2015.
6. #Ren, P. & **Lin, F.** Altered Functional Connectivity of Prefrontal Cortex Underpins the Abnormality of Intra-Individual Variability in Reaction Time in Mild Cognitive Impairment. Oral presentation at Alzheimer's Association International Conference 2015, Washington, DC. Jul 19-23.
7. **Lin, F.**, Ren, P., Heffern K., Mental Fatigability Is Associated with Altered Cardiovascular Stress Reactivity in Mild Cognitive Impairment. Poster presentation at Alzheimer's Association International Conference 2015, Washington, DC. Jul 19-23.
8. **LIN, F.** , TADIN, D., HEFFNER, K., SCHIFITTO, G., MAPSTONE, M. Cognitive and neural effects of a computerized cognitive training in older adults with mild cognitive impairment (MCI): A feasibility study (2014). Poster presentation at Neuroscience 2014, Washington, DC. Nov 15-19.
9. **Lin,F.**, Cole,D., Johnson M., Cotton,K., Brasch, J., Heffner,K., & Schifitto, G. Cognitive and Neural Effects of A Computerized Cognitive Training in Older Adults with Mild Cognitive Impairment (MCI): A Feasibility Study (2014). Symposium presentation at State of the Science Congress of Nursing Research, Washington, DC, Sept 16-19.
10. **Lin,F.**, Cole,D., Cotton,K., Tadin,D. Heffner,K., Kitzman,H. Porsteinsson,A. & Mapstone,M. Executive Homeostatic Network in Mild Cognitive Impairment (MCI) (2014). Poster presentation at the Translational Science 2014 Meeting, Washington, DC, April 9 – 11.
11. #Johnson, M., **Lin, F.** Hauenstein, E., & Porsteinsson, A. Profiles of Objective and Self- and Informant-Reported Language Abilities in Older Adults with Mild Cognitive Impairment (2014). Paper presented at the 26th Annual Eastern Nursing Research Society Scientific Sessions, Philadelphia, PA, April 9 – 11.
12. Chen, DG, Chen, X, Wang, T. & **Lin, F.** (2014) International Conference on Social Computing, Behavioral-Cultural Modeling, & Prediction (SBP14), UCDC Center, Washington DC. April 2 – 4.
13. **Lin, F.**, Roiland R., Chen, DG, & Qiu, C. Linking Cognition and Frailty in Middle and Old Age: Metabolic Syndrome Matters (2013) Late Breaker Poster Session at The Gerontological Society of America's 66th Annual Scientific Meeting, New Orleans, LA, November 20-24.
14. #Johnson, M., Porsteinsson, A., & **Lin, F.** Profiles of Objective and Self- and Informant-Reported Language Abilities in Older Adults with Mild Cognitive Impairment (2013). Late Breaker Poster

Session at The Gerontological Society of America's 66th Annual Scientific Meeting, New Orleans, LA, November 20-24.

15. **Lin, F., & Roiland, R.** Executive Function, Stress Regulation, and Frailty in Older Adults with Metabolic Syndrome (2013). Poster Presentation at the Gerontological Society of America's 66th Annual Scientific Meeting, New Orleans, LA, November 20-24,
16. **#Johnson, M, & Lin, F.,** Communication Difficulty & Neuroplasticity in Cognitively Impaired Older Adults (2013). Poster Presentation at the American Speech-Language-Hearing Association (ASHA) Annual Convention, Chicago, IL, November 14-16.
17. **Chen, DG, Chen, X, & Lin, F.** Statistical Power Analysis for Guastello's Polynomial Cusp Catastrophe Model: A Simulation-Based Approach (2013). Paper Presentation at the 23rd Annual International Conference of the Society for Chaos Theory in Psychology and Life Sciences (SCTPLS) at Portland State University, Portland, OR, USA, July 25-27.
18. **Lin, F., Chen, D., Vance, D.E., & Mapstone, M.** (2013) Trajectories of Combined Laboratory- and Real World-based Speed of Processing in Community-Dwelling Older adults: Predictors and Functional Outcomes. Breakout Paper Session at the 25th Annual Eastern Nursing Research Society Scientific Sessions, April 17-19 in Boston, MA.
19. **Lin, F., Chen, D., Vance, D.E., & Mapstone, M.** (2012) Trajectories of Combined Laboratory- and Everyday-based Speed of Processing in Community-Dwelling Older adults. Poster Session at the Gerontological Society of America's 65th Annual Scientific Meeting, San Diego, CA.
20. **Lin, F., Topazian, H., & Geda, Y.E.** (2012) Baseline Purpose Oriented Life and Cognitive Outcomes. Poster presented at the American Academy of Neurology 64th Annual Meeting, April 21-28 in New Orleans, LA.
21. **Lin, F., Topazian, H., & Geda, Y.E.** (2012). Midlife Sense of Purpose in Life and the Outcome of Cognitive Function in Late Life. Research platform presentation at the 23rd Annual Meeting of the American Neuropsychiatric Association, March 21-24, 2012 in New Orleans, LA.
22. **Lin, F., Topazian, H., & Geda, Y.E.** (2011), Associations of subjective and psychological well-being with cognitive function in old age. Late Breaker Poster Session at the Gerontological Society of America's 64th Annual Scientific Meeting, Boston, MA.
23. **Lin, F., & Heidrich, S.M.** (2011). Illness Representations, Coping, and Health Outcomes in Older Adults with Mild Cognitive Impairment. Poster presented at the Gerontological Society of America's 64th Annual Scientific Meeting in Boston, MA.
24. **Lin, F., Hanna, L. & Heidrich, S.M.** (2011). Coping in Older Individuals with Mild Cognitive Impairment. Poster presented at the Gerontological Society of America's 64th Annual Scientific Meeting in Boston, MA.
25. **Lin, F., Roiland, R., VanDenBergh, S., Farrar-Edwards, D., Gleason, C.E., & Heidrich, S.M.** (2011). Performance-based and self-rated everyday functioning in persons with Mild Cognitive Impairment. Poster presented at the 2011 AAICAD in Paris, France.
26. **Lin, F., Kim, B., Pellino, T., Brenny-Fitzpatrick, M., Siebers, M., & Gordon, D.** (2011). Pain Management and Patient Outcomes among Hospitalized Geriatric Patients. Poster presented at the 2011 Annual Scientific Meeting of the American Geriatrics Society, Washington, DC.
27. **VanDenbergh, S., Lin, F., Ellis, N., Markoff, M., Pellino, T., Brenny-Fitzpatrick, M., Siebers, M., & Gordon, D.** (2011). Nurse, Knowledge, Attitude, and Performance and Commitment to Change during Implementation of an Evidence-Based Pain Management Guideline for Geriatric Patients. Poster presented at the 2011 Annual Scientific Meeting of the American Geriatrics Society, Washington, DC.
28. **Heidrich, S., Egan, J., Naab, F., Lin, F., Erickson, T., Lowisz, M., & Shepard, A.** (2011). Symptom Management Strategies of Older Breast Cancer Survivors. Podium presentation at the 35th Annual Research Conference of the Midwest Nursing Research Society, Columbus, OH.

29. # Kim, B., **Lin, F.**, Pellino, T., Brenny-Fitzpatrick, M., & Gordon, D. (2011) Pain Management and Patient Outcomes among Hospitalized Geriatric Patients. Poster presentation at the 35th Annual Research Conference of the Midwest Nursing Research Society, Columbus, OH.
30. Heidrich, S., Egan, J., **Lin, F.**, & Naab, F. (2011). Symptom Clusters and Symptom Management Strategies of Older Breast Cancer Survivors. Podium presentation at the American Psychosocial Oncology Society 8th Annual Conference, Anaheim CA.
31. **Lin, F.**, Friedman, E., Brown, R., Heidrich, S., Ryff, C., & Gleason, C. (2010). Purpose in life, cognitive function, and leisure activities in early old age. Late Breaker Poster Session at The Gerontological Society of America's 63rd Annual Scientific Meeting, New Orleans, LA.
32. **Lin, F.**, Gleason, C, & Heidrich, S. M. (2010). Illness perceptions among older adults with Mild Cognitive Impairment. Oral Presentation at the International Conference of Alzheimer's Disease, Honolulu, Hawaii.
33. **Lin, F.**, Brenny-Fitzpatrick, M., & Siebers, M. (2010). Developing quality indicators (QIs) for delirium, depression and dementia (3Ds) recommendations of the Acute Care for Elders (ACE) Interdisciplinary Consult Team: Modification of the Assessing Care of Vulnerable Elders (ACOVE-3) measures. Poster presented at the 2010 Annual Scientific Meeting of the American Geriatrics Society, Orlando, FL.
34. Grau, B., Siebers M., Kind A., Hansen, K., Addington-White, J., **Lin, F.**, et al. (2010). University of Wisconsin Geriatrics Transitional Care Program (TCP): Minimizing Health Resources, Maximizing Care Continuity. President poster presented at the 2010 Annual Scientific Meeting of the American Geriatrics Society, Orlando, FL.
35. Heidrich, S., Egan, J, **Lin, F.**, & Yeom, H (2010). Symptom Experienced by Older Breast Cancer Survivors. Poster presented at the 34th Annual Research Conference of the Midwest Nursing Research Society, Kansas City, Mo.
36. **Lin, F.**, Gleason, C., & Heidrich, S. (2009). The illness perceptions among older adults with Mild Cognitive Impairment: a feasibility study. Poster presented at the 62nd Gerontological Society of America, Atlanta, GA.
37. Heidrich, S.M., Perez, O.A., Brown, R.L., Egan, J.J., Yeom, H., & **Lin, F.** (2009). An individualized symptom management intervention reduces symptom distress in older cancer survivors. Late Break Poster presented at the 62nd Gerontological Society of America, Atlanta, GA.
38. **Lin, F.** (2008). Patient-centered informational intervention in older adults with Mild Cognitive Impairment. Presented at the Technical Assistance Workshop, NIH, National Harbor, ML, Nov.11, 2008.
39. **Lin, F.** & Heidrich, S. (2008). Does psychological well-being mediate the effects of symptoms on function in older breast cancer survivors? Poster presented at the APOS 5th Annual Conference and Workshop Training, Irvine, CA, Feb.28, 2008.
40. Egan, J.J., Perez, O.A., Pe-Romashko, K., Moe, A., **Lin, F.**, & Heidrich, S.M. (2007). Successfully implementing a telephone intervention with older women. Poster presented at the 60th Annual Scientific Meeting of the Gerontological Society of America, San Francisco, CA.

PROFESSIONAL AFFILIATIONS

Society for Neuroscience
ISTAART - Alzheimer's Association
Gerontological Society of America
Sigma Theta Tau International Honor Society of Nursing
The Council for the Advancement of Nursing Science

TEACHING

2013-Present Course instructor, School of Nursing, University of Rochester Medical Center, NY

- NUR301: Principles and Application of Evidence for Nursing Practice (>60 APNN students, Fall 2013, Fall 2014)
- NUR510: Applied Statistics I (~10 PhD and DNP students, Fall 2015, Fall 2016)

2012-Present Mentoring student

(#Dr. Lin is in the PhD student's dissertation committee; *Dr. Lin mentored the student for his/her REACH/Discovery Fund or honors project from UR.)

- Postdoctoral fellows
 - Ping Ren, post-doc fellow in Nursing/CogT Lab, URM (2014 – present)
 - Andrew Anderson, post-doc fellow in Nursing/CogT Lab, URM (2017 – present)
 - Maria Quiñones, post-doc fellowing in Nursing/Heffner's Lab, URM (2017 – present)
 - Quanjing Chen, post-doc fellow in Nursing/Psychiatry/CogT Lab, URM (starting 08/2018)
 - Brian Rooks, post-doc fellow in Biostat/CogT Lab, URM (starting 08/2018)
- PhD/MD students
 - Ying Lin, PhD student in Brain and Cognitive Sciences (co-mentored with Dr. Tadin), UR (starting 08/2018)
 - Rebecca Judges, PhD student in Applied Psychology & Human Development, University of Toronto (2017 – present)
 - #Dillon Dzikowicz, PhD student in Nursing, URM (2017 – 2018)
 - Julian Gal, medical student, URM (2017 – 2018)
 - #Xixi Wang, PhD student in Brain and Cognitive Science/CogT Lab, UR (2016 – present)
 - #Melissa Johnson, PhD student in Nursing, URM (2012 – 2016, now a tenure-track assistant professor in Nazareth College)
 - Nicholas David, medical student, URM (2014 – 2015)
 - Venkataraman, Arun (MD PHD student): 2018-present
- Other students
 - *Anneliese Wikins, undergraduate student in Neuroscience, URM (2017 – present)
 - *Srihari Chari, undergraduate student in Environmental Health, URM (2017 – present)
 - *Sabrina Goyal, undergraduate student in Brain and Cognitive Science, UR (2017 – present)
 - *Allison Weiss, undergraduate student in Brain and Cognitive Science, UR (2016 – present)
 - *Kelsey McDermott, undergraduate student in Neuroscience, URM (2016 – 2017, now in University of Rochester)
 - *Kelly Cotton, undergraduate student in Brain and Cognitive Science, UR (2013 – 2015, now in Einstein Medical College)
 - Christina Qiu, high school intern (2014, now in Harvard University)
 - *John Bernstein, undergraduate student in Brain and Cognitive Science, UR (2014)
 - *Mia Anthony, undergraduate student in Neuroscience, URM (2015 – 2016, now in University of Rochester)

- *Megan Fujiyoshi, undergraduate student in Brain and Cognitive Science, UR (2015 – 2016, now in Harvard University)

2011-Present Guest Lecturer

School of Nursing, University of Rochester Medical Center, NY

- Undergraduate level
 - NSG347: Comprehensive Gerontological Care
- Master level:
 - NUR400: Research Principles for Evidence-based Practice
- PhD level:
 - NUR560: Role of the Clinical Researcher
 - NUR511: Research Design
 - NUR541: Theory and Research on Health Behavior

Department of Brain and Cognitive Science, University of Rochester, NY

- PhD level:
 - BCS508: Cognitive Neuroscience

Department of Occupation Therapy, Nazareth College, NY

- Undergraduate level: Occupational Therapy Evidence Based Evaluation and Intervention: Cognitive/Perceptual Disorders

2008-2010 Teaching Assistant, School of Nursing, University of Wisconsin-Madison, WI

- N212: Human Response – Health and Illness (two semesters)
- N302: Introduction – Systematic Investigation (two semesters)

INVITED LECTURES & SEMINARS

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| 2017 | Cognitive training development in the context of Alzheimer's disease. Seminar in Pharmacology and Physiology, University of Rochester, NY. |
| 2016 | Central fatigability in aging population. Seminar in fatigability measurement development. NIA/NIH, DC. |
| 2016 | Neuroimaging works related to cognitive training development in cognitive aging. Mayo Clinics, MN. |
| 2016 | Mechanistic discovery of neuroplasticity-based cognitive training in individuals at risk for Alzheimer's disease. University of California-Irvine, CA. |
| 2016 | How to secure successful brain aging. Pfaunder Lecture Series, Osher Lifelong Learning Institute, RIT, Rochester, NY. |
| 2015 | Brain and Aging. University of Rochester Senior Leadership Retreat. Amelia Island, FL. |
| 2014 | Keeping your brain healthy as you age. SON for an Evening, School of Nursing, University of Rochester, NY. |
| 2013 | Dementia and women's health. 4th Annual Uniqueness of Women's Health, Rochester Academy of Medicine, Rochester, NY. |

- 2013 Healthy Brain Aging: The Social Effect, URM-YMCA Educational Calendar, Rochester, NY
- 2013 Physical and/or Mental Exercise and Neurogenesis and Neuroplasticity, URM-YMCA Educational Calendar, Rochester, NY
- 2012 Promoting successful cognitive aging and preventing dementia. School of Nursing National Council Meeting, University of Rochester, NY.
- 2012 Cognitive Profile and Cardiovascular Risk Factors in Old Age. Geriatric Medicine Grand Rounds The Finger Lakes Geriatric Education Center of Upstate New York and the Geriatric/Aging Division of the University of Rochester, NY.
- 2011 Taking care of hospitalized patients with dementia. AgeWise Program, Strong Hospital, University of Rochester Medical Center, NY.
- 2010 Illness perceptions and functional health in patients with Mild Cognitive Impairment. Aurora Health Care, Milwaukee, WI.
- 2010 A patient-centered project: representation, coping, and health outcomes among patients with mild cognitive impairment. Wisconsin Alzheimer's Disease Research Center Seminar, University of Wisconsin, WI.
- 2009 Illness perception among older adults diagnosed with Mild Cognitive Impairment. Research Colloquium, School of Nursing, University of Wisconsin-Madison.
- 2007 Mild Cognitive Impairment as a predictor of Alzheimer's disease: age and diagnostic criteria. Dementia Journal Club, GRECC, VA Hospital, Madison, WI.

RESEARCH SERVICE

- 2013-Present Member of Committee in Research, American Neuropsychiatric Association
- 2013-Present Inaugural reviewer, Virginia Henderson International Nursing Library - online research repository (VHL repository), STTI
- 2017-2019 Associated Editor: Journal of Alzheimer's Disease
- 2010-Present Editorial board: Dementia and Geriatrics Cognitive Disorders
- 2011-Present Ad hoc Journal Reviewer:
- *BMC: Geriatrics*, 2017
 - *Plos One*. 2017
 - *BMC: Medical Informatics and Decision Making*, 2017
 - *Psychopharmacology*, 2017
 - *Brain Sciences*, 2016
 - *European Journal of Neuroscience*, 2016
 - *Cognitive Neuropsychology*, 2016
 - *Applied Neuropsychology*, 2016
 - *Journal of American Geriatrics Society*, 2016
 - *The Gerontologist*, 2016, 2017

- *BMC Open*, 2016
- *Nursing & Health Sciences*, 2016
- *Journal of Affective Disorders*, 2015
- *Biological Psychiatry*, 2015
- *Journal of Health Psychology*, 2015
- *Western Journal of Nursing Research*, 2014
- *IEEE Transactions on Biomedical Engineering*, 2014
- *Aging and Mental Health*, 2014, 2016
- *Age: Journal of the American Aging Association*, 2014
- *Clinical Interventions in Aging*, 2014
- *Neuropsychiatric Disease and Treatment*, 2013
- *Alzheimer's & Dementia*, 2013
- *Archives of Gerontology and Geriatrics*, 2013 – 2015
- *Psychology and Aging*, 2013
- *Geriatric Nursing*, 2013
- *Research in Nursing & Health*, 2013, 2016
- *Journal of Gerontology: Social Sciences* 2013, 2014
- *Journal of Pain and Symptom Management*, 2013
- *Research in Gerontological Nursing*, 2013 - 2015
- *Neurology*, 2012, 2015, 2017
- *International Journal of Geriatric Psychiatry*, 2012
- *Neuroepidemiology*, 2012
- *American Journal of Geriatric Psychiatry*, 2012 – present
- *American Journal of Alzheimer's Disease & Other Dementias*, 2012, 2017
- *International Psychogeriatrics*, 2012
- *Journal of Alzheimer's Disease*, 2012
- *Journal of Gerontology: Psychological Sciences*, 2011, 2012, 2013

2010-Present Invited/Appointed Grant Reviewer:

- US Department of Veterans Affairs Rehabilitation R&D Scientific Group Review (RRD6-Chronic Medical Conditions and Aging), 2018
- NIH/NIA Cognition & Perception Review Panel, 2018
- NCATS/NIH KL2 TR000095, University of Rochester CTSA, 2017, 2018
- American Academy of Nursing, 2016
- Stroke Association, 2015
- National Sigma Delta Epsilon-Graduate Women in Science Fellowship, 2012
- Alzheimer's Association, 2012, 2013, 2015
- Sigma Theta Tau International, 2010 – 2012

2008-Present Paper/Symposium/Abstract/Award Reviewer:

- Eastern Nursing Research Society annual meetings, 2013
- Sigma Theta Tau International, 2010 – 2012, 2015
- Gerontological Society of Aging, 2010, 2012
- ESPO, Gerontological Society of America, 2008 – present

UNIVERSITY SERVICE

2016-2018	53th Faculty Senate, UR
2016-2018	PhD Committee, School of Nursing, URM
2015-2017	Faculty Government, School of Nursing, URM
2015-2017	Research Council, School of Nursing, URM
2015-2017	Curriculum Committee, School of Nursing, URM
2014-2016	Search Committee, School of Nursing, URM
2014-2015	Task force for junior faculty mentorship development, UR
2013-2015	Faculty Development Steering Committee, School of Nursing, URM

MEDIA COVERAGE

Lin, F., Suhr, J., Diebold, S., & Heffner, K. (2014). Associations between depressive symptoms and memory deficits vary as a function of insulin-like growth factor (IGF-1) levels in healthy older adults. *Psychoneuroendocrinology* 42,118-123.

- How are depression and memory loss connected? Medical Xpress - Apr 15, 2014
- Hormone Seems to Connect Depression, Memory Loss. The Epoch Times - Apr 14, 2014
- UR study links memory loss, depression. 13WHAM-TV - Apr 15, 2014

Lin, F., Ren, P., Mapstone M., Meyers, S., Porsteinsson, A., Baran, T. The cingulate cortex of older adults with excellent memory capacity (in press). *Cortex*.

- Researchers identify brain region as possible target for dementia prevention. Medical Xpress – Dec 14, 2016
- Alzheimer’s and normal brains compared, specific brain region identified for dementia prevention. Bel Marra Health – Dec 22, 2016
- Brains of “supernormal” seniors seem to resist damage. Knowridge Science Report – Feb 9, 2017.
- Meet the “supernormal” seniors. World Economic Forum, Dec 16, 2016