

CURRICULUM VITAE

NAME: Andrea L Rosso
BUSINESS ADDRESS: 5137 Public Health
University of Pittsburgh
Pittsburgh, PA 15213
Phone: 412-383-1066
E-mail: alr143@pitt.edu

EDUCATION AND TRAINING

Undergraduate

1997-2001	Virginia Tech Blacksburg, VA	BS, 2001	Biology
-----------	---------------------------------	----------	---------

Graduate

2005-2007	Drexel University Philadelphia, PA	MPH, 2007	Epidemiology
2009-2012	Drexel University Philadelphia, PA	PhD, 2012	Epidemiology

Post-Graduate

2012-2014	University of Pittsburgh Pittsburgh, PA	Post-doctoral scholar	Epidemiology of Aging/ Neuroepidemiology
-----------	---	--------------------------	--

APPOINTMENTS AND POSITIONS

Academic

2015-	Assistant Professor, graduate faculty	Department of Epidemiology, Clinical and Translational Sciences, University of Pittsburgh, Pittsburgh, PA
2014-2015	Visiting Assistant Professor	Department of Epidemiology, Clinical and Translational Sciences, University of Pittsburgh, Pittsburgh, PA
2012-2014	Post-doctoral Scholar	Department of Epidemiology, Center for Aging and Population Health, University of Pittsburgh, Pittsburgh, PA

2010-2012	Research Assistantship	Department of Epidemiology and Biostatistics, Drexel University School of Public Health, Philadelphia, PA
2007-2009	Research Instructor	Neurology, College of Medicine, Drexel University, Philadelphia, PA
2005-2007	Research Assistant	Neurology, College of Medicine, Drexel University, Philadelphia, PA
2003-2005	Research Specialist	Medicine, School of Medicine University of Pennsylvania, Philadelphia, PA
2002-2003	Research Technician	Clinical Research Fred Hutchinson CRC, Seattle, WA

MEMBERSHIP IN PROFESSIONAL AND SCIENTIFIC SOCIETIES

2011-current	Gerontological Society of America
2014-2018	International Society for Posture and Gait Research
2008-2015	Society for Epidemiologic Research
2009-2015	American Academy of Neurology
2005-2008	American Public Health Association

HONORS

2019	Outstanding Contribution in Reviewing Award, Journals of Gerontology Medical Sciences
2017	Excellence in Research Award, junior faculty University of Pittsburgh's Aging Institute
2015	International Society for Gait and Posture Research Travel Award
2014	National Institutes of Health Loan Repayment Program (2 renewals)
2014	Gerontological Society of America Health Sciences Section Research Award

2014	Travel Award – Aging, the Central Nervous System, and Mobility, Gerontological Society of America
2013	Travel Award – Aging, the Central Nervous System, and Mobility, Gerontological Society of America
2013	Outstanding Promise Doctoral Award Drexel University
2013	Travel Award – Women’s Health Initiative Annual Meeting
2013	Excellence in Research Award, post-doctoral University of Pittsburgh’s Aging Institute
2007	Hygeia Society Drexel University
2006	Gundaker Award Rotary Association

PROFESSIONAL ACTIVITIES

1. Teaching

a. Courses Taught

Years Taught	Course Number: Title	Hours of Lecture, credits Average Enrollment	Role in course Primary/Coordinator
2017, 2019-2020	EPIDEM2183: Reading, Analyzing and Interpreting the Public Health and Medical Literature	2 credits, 12 students	Co-director
2016-2019	EPIDEM2017: Population Neuroscience Seminar	1 credit, 12-14 students	Primary
2009	Undergraduate Epidemiology (Drexel University)	3 hours/wk, 20 students	Primary

b. Other Teaching (lectures, tutorials and continuing education courses)

Date(s)	Type of Teaching	Title
2/2020	Lecture – University of Pittsburgh, Physical Activity Epidemiology	Brain and Environment: Roles in Physical Activity of Older Adults
2/2019	Lecture – University of Pittsburgh, Physical Activity Epidemiology	Brain and Environment: Roles in Physical Activity of Older Adults
1/2019	Lecture – University of Pittsburgh, Advanced Epidemiology of Aging	Brain, Environment, Aging and Mobility
2/2018	Lecture – University of Pittsburgh, Physical Activity Epidemiology	Brain and Environment: Roles in Physical Activity of Older Adults
1/2018	Lecture – University of Pittsburgh, Epidemiology of Aging Workshop	Population Neuroscience Approaches
3/2017	Lecture – University of Pittsburgh, Epidemiology of Aging Workshop	Near Infrared Spectroscopy
2/2017	Lecture – University of Pittsburgh, Neuroepidemiology	Near Infrared Spectroscopy
2013-2019	Lecture – University of Pittsburgh, Epidemiology of Aging, Methods	Brain Aging and Cognitive Function
2007-2009	Seminar series lectures for neurology residents – Drexel College of Medicine	Study Design and Analysis
11/2009	Lecture – Salus University	Intro to Biostatistics

c. Major Advisor for Graduate Student Essays, Theses, and Dissertations

Name of Student	Degree Awarded, Year	Type of Document and Title	Notes
Emily Wasson	MPH, 2017	Essay: Neural Correlates of Fatigability in Older Adults by 7T Magnetic Resonance Imaging	Best Master's essay award; Current: Research Coordinator
Danielle Stark	MPH, 2018	Essay: The Relationship Between Personality Changes and Amyloid- β in Cognitively Normal Adults	Current: Clinical Research Coordinator

Name of Student	Degree Awarded, Year	Type of Document and Title	Notes
Melissa Postoll	MPH, 2019	Essay: Longitudinal Characterization of Headache after TBI and Potential Immunological Target	Current: medical student
Alyson Harding	MPH, 2019	Essay: Inter-rater Reliability of Web Based Audits- A Tool for Assessment of Environmental Walkability	Awarded Outstanding Master's student; Current: doctoral student in Environmental Health
Ashlyn Bulas	MPH, 2019	Essay: Assessing Pre-Injury Health Status of Older Adults Who Have Sustained a Traumatic Brain Injury Compared to Matched Controls	Current: Brain Injury Research Center of Mount Sinai
Sara Godina	PhD		active
Nemin Chen	PhD		active

d. Service on Masters or Doctoral Committees

Dates Served	Name of Student	Degree Awarded	Title of Dissertation/Essay
2016	Joshua Paley	MPH	Essay: Prefrontal Cortex Activation during Dual Task Conditions in Older and Younger Adults
2018	Hannah Callahan	MPH	Essay: The Benefits of Music and Physical Activity-Based Therapies for Early-Stage Alzheimer's Disease: A Literature Review
2018-	Theresa Gmelin	PhD	Dissertation: Identification of Novel Risk Factors over the Life-course Associated with Late-Life Disability in Older Adults
2019	Allison Koller	MS	Thesis: Cardiac Arrest Etiology and Associated Cognitive Impairment in Survivors
2020	Nicholas McNutt	MPH	Translation of Falls Prevention Efforts: An Overview of the Existing Gap between Research & Practice

e. Service on Comprehensive or Qualifying Examination Committees

Dates Served	Student Population	Type of Exam (Qualifying/Comprehensive)
---------------------	---------------------------	---

f. Supervision of Post-Doctoral Students, Residents, and Fellows

Dates Supervised	Name of Student	Position of Student
2018-	C. Elizabeth Shaaban, MPH, PhD (mentoring committee)	Post-Doctoral Scholar
2019-	Briana Sprague, MS, PhD (mentoring committee)	Post-Doctoral Scholar
2020-	Pamela Dunlap, DPT, PhD (primary mentor)	Post-Doctoral Scholar

g. Mentoring of Graduate Students in Field Placements

Dates	Name of Student	Degree/Program Description	Field Site
2016	Joshua Paley	MPH	BEAM lab
2017-2018	Ayushi Divecha	MPH	BEAM lab
2017-2018	Emily Wasson	MPH	BEAM lab
2018-2019	Alyson Harding	MPH	BEAM lab
2018-2019	Ashlyn Bulas	MPH	BEAM lab
2019-	Erica Fan	MPH	BEAM lab
2019	Kailyn Witonsky	MD/PhD	BEAM lab

h. Other Teaching and Training

Dates	Teaching Activity	Program/Description
1/10-3/10	Teaching assistant	Applied Survey Research in Epidemiology
9/09-12/09	Teaching assistant	Advanced Clinical Trials and Experimental Design
3/09-6/09	Teaching assistant	Principles of Epidemiology
9/07-12/07	Teaching assistant	Intermediate Epidemiology

Dates	Teaching Activity	Program/Description
1/07-3/07	Teaching assistant	Introduction to Epidemiology

2. Research and Training

a. Grants and Contracts Received

Principal Investigator

Years Inclusive	Grant and/or Contract Number and Title	Source	Annual Direct Costs	% Effort
2020	Locomotor Adaptability for Community Mobility of Older Adults: The Role of Gait Automaticity	Pitt Momentum Funds	\$18,000	
2018-2022	1 R01 AG057671-01A1: Restoring Central Motor Control to Improve Community Mobility of Older Adults	NIA/NINR	\$490,000	30%
2016-2020	1 K01 AG053431-01: Environmental Challenges and the Aging Brain: Implications for Community Mobility	NIA	\$116,000	95%
2016-2018	1R21AG054666-01: Cognitive Decline, Brain Aging, Physical Environment, and Mobility	NIA	\$150,000	10%
2015-2016	Nursing Home Quality Improvement Task Force	Pennsylvania Department of Health	\$16,500	25%
2015	Developmental Project: Environmental Negotiation, the Aging Brain, and Mobility in Older Adults	Pittsburgh Pepper Center (P30 AG024827, Greenspan)	\$35,000	
2014-2016	KL2 TR000146: Neural Mechanisms of Community Mobility in Older Adults	NIH/NCATS	\$25,000 research/year	75%
2010-2011	Environmental Health Scholarship Program: The Urban Built Environment and Mobility in Older Adults	ASPH and CDC	\$25,000	100%

Co-Principal Investigator

Years Inclusive	Grant and/or Contract Number and Title	Source	Annual Direct Costs	% Effort
2016	Pilot: Neuroimaging Motor Skill, Learning and Adaptation for Walking	Pittsburgh Pepper Center (P30 AG024827, Greenspan)	\$25,000	

Co-Investigator on Grants

Years Inclusive	Grant and/or Contract Number and Title	Source	Annual Direct Costs	% Effort
2020-2024	1R01AG067548-01: Project Title Preventing Cognitive Decline and Dementia Among Older Chinese Immigrants: The Role of Activity, Engagement, Immigration Experience, and Neighborhood Environments	NIA	\$572,160	5%
2018-2023	1U01AG061393-01: Neurobiological Drivers of Mobility Resilience: The Dopaminergic System (PI: C Rosano, N Bohnen)	NIA	\$954,130	25%
2018-2022	1R01AG055404-01A1: Neighborhoods, Cognitive Aging and Modifiable Risk Factors (PI: M Carlson)	NIA		consultant
2018-2019	3R01CA149105-07S1: Alzheimer's supplement to Urban Revitalization and Long-term Effects on Diet, Economic, and Health Outcomes (PI: T Dubowitz)	NIA		10%
2018-2019	3R01HL131531-03S1: Alzheimer's supplement to Natural Experiment of Neighborhood Revitalization and Cardiometabolic Health (PI: W Troxel)	NIA		10%
2018-2019	3R01AG049970-04S1: Alzheimer's supplement to Communities Designed to Support Cardiovascular Health for Older Adults (PI: G Lovasi)	NIA		consultant

b. Invited Lectureships and Major Seminars Related to Your Research

Date	Title of Presentation	Venue
6/2019	The Environment and Brain Health	Walter Allen Series community presentation; Pitt ADRC

Date	Title of Presentation	Venue
8/2016	Gait Slowing Precedes Cognitive Impairment and Is Related To Loss of Integrity in Specific Grey Matter Regions (poster)	National Institute on Aging - Workshop on Pathways, Contributors and Correlates of Functional Impairment across Specialties
11/2015	The Aging Brain and Community Mobility	University of Florida, Institute on Aging
2/2012	Geriatric Syndromes, Health, and Functioning in Older Adults	University of Iowa, College of Public Health
3/2012	Neighborhood Amenities and Mobility of Older Adults	University of Maryland Baltimore, Epidemiology & Public Health

c. Other Research and Training Activities

Date	Position	Description of Activity
-------------	-----------------	--------------------------------

PUBLICATIONS

1. Refereed Articles

1. Miller-Patterson C, Han J, Yaffe K, **Rosso AL**, Launer LJ, Kritchevsky SB, Boudreau RM, Rosano C. Clinical and neuroimaging correlates of progression of mild parkinsonian signs in community-dwelling older adults
2. Chen N, Rosano C, Karim H, Studenski SA, **Rosso AL**. Regional Gray Matter Density Associated with Fast-Paced Walking in Older Adults: A Voxel-Based Morphometry Study. *J Gerontol Med Sci*. 2020, in press.
3. Sparto PJ, **Rosso AL**, Divecha AA, Metti AL, Rosano C. Shared Neural Substrates of Cognitive Function and Postural Control in Older Adults. *Alzheimer's & Dementia*. 2020, in press.
4. Udina C, Avtzi S, Durduran T, Holtzer R, **Rosso AL**, Castellano Tejedor C, Pérez LM, Soto-Bagaria L, Inzitari M. Functional Near-Infrared Spectroscopy to Study Cerebral Hemodynamics in Older Adults during Cognitive and Motor Tasks: A Review. *Frontiers Aging Neuroscience*. 2020, in press.
5. Hoppes CW, Whitney SL, Dunlap PM, DiSalvio NL, Alshebber KM, Furman JM, Kwon YH, **Rosso AL**. Changes in Cortical Activation during Dual-Task Walking in Individuals with and without Visual Vertigo. *Journal of Neurologic Physical Therapy*. 2020, in press.
6. Inzitari M, Metti AL, Rosano C, Udina C, Perez LM, Carrizo G, Verghese J, Newman AB, Studenski S, **Rosso AL**. Qualitative neurological gait abnormalities, cardiovascular risk factors and functional status in older

- community-dwellers without neurological diseases: The Healthy Brain Project. *Exp Geron*. 2019, in press.
7. Rosano C, Metti AL, **Rosso AL**, Studenski S, Bohnen NI. Influence of Striatal Dopamine, Cerebral Small Vessel Disease, and Other Risk Factors on Age-Related Parkinsonian Motor Signs. *J Gerontol Med Sci*. 2019, in press.
 8. **Rosso AL**, Metti AL, Faulkner K, Brach JS, Studenski SA, Redfern M, Rosano C. Associations of Usual Pace and Complex Task Gait Speeds with Incident Mobility Disability. *J Am Geriatr Soc*. 2019, 67(10):2072-2076.
 9. Handing EP, Chen H, Rejeski WJ, **Rosso AL**, Balachandran AT, King AC, Kritchevsky ST. Cognitive Function as a Predictor of Major Mobility Disability in Older Adults: Results From the LIFE Study. *Innovation in Aging*, 3(2):1-8.
 10. **Rosso AL**, Metti AL, Faulkner K, Redfern M, Yaffe K, Launer L, Shaaban CE, Nadkarni NK, Rosano C. Complex Walking Tasks and Risk for Cognitive Decline in High Functioning Older Adults. *J. Alzheimers Dis*. 2019, 71(s1):S65-S73.
 11. Wasson E, **Rosso AL**, Santanasto AJ, Rosano C, Butters MA, Rejeski WJ, Boudreau RM, Aizenstein H, Gmelin T, Glynn NW. Neural Correlates of Perceived Physical and Mental Fatigability in Older Adults: A Pilot Study. *Exp Geron*. 2019, 115:139-147.
 12. Massa RE, **Rosso A**, Metti AL, Sparto PJ, Aizenstein H, Ferrucci L, Divecha A, Rosano C. Neuroimaging Correlates of Lateral Postural Control in Older Ambulatory Adults. *Aging Clin Exp Res*. 2019, 31(5):611-619.
 13. Duchowny K, Clarke P, Gallagher NA, Adams R, **Rosso AL**, Alexander NB. Using Mobile, Wearable Technology to Understand the Role of Built Environment Demand for Outdoor Mobility. *Environment & Behavior*. 2019, 51(6):671-688.
 14. **Rosso AL**, Metti AL, Glynn NW, Boudreau RM, Rejeski J, Bohnen N, Chen H, Johannsen NM, King AC, Manini TM, Pahor M, Studenski SA, Vaz Fragoso CA, Rosano C. Dopamine-related genotypes and physical activity change during an intervention: the LIFE Study. *J Am Geriatr Soc*. 2018, 66(6):1172-1179.
 15. **Rosso AL**, Bohnen NI, Launer LJ, Aizenstein HJ, Yaffe K, Rosano C. Vascular and dopaminergic contributors to mild Parkinsonian signs in older adults. *Neurology*. 2018, 90(3):e223-e229.
 16. **Rosso AL**, Cenciarini M, Sparto PJ, Loughlin PJ, Furman JM, Huppert TJ. Neuroimaging of an attention demanding dual-task during dynamic postural control. *Gait and Posture*. 2017, 57:193-198.
 17. Best JR, Liu-Ambrose T, Metti AL, **Rosso AL**, Satterfield S, Studenski S, Newman AB, Rosano C. Longitudinal associations between walking speed and amount of self-reported time spent walking over a 9-year period in older women and men. *J Gerontol Med Sci*. 2018, 73(9):1265-1271.
 18. Metti AL, Rosano C, Boudreau R, Massa R, Yaffe K, Satterfield S, Harris T, **Rosso AL**. COMT genotype and gait speed changes over ten years in older adults. *J Am Geriatr Soc* 2017, 65(9):2016-2022.
 19. **Rosso AL**, Verghese J, Metti AL, Boudreau R, Aizenstein HJ, Kritchevsky S, Harris T, Yaffe K, Satterfield S, Studenski S, Rosano C. Slowing Gait and Risk

- for Cognitive Impairment: The Hippocampus as a Shared Neural Substrate. *Neurology* 2017, 89(4):336-342.
20. Cruz-Almeida Y, **Rosso A**, Harris T, Marcum Z, Newman AB, Nevitt M, Satterfield S, Yaffe K, Rosano C. Associations of musculoskeletal pain with mobility in older adults: potential cerebral mechanisms. *J Gerontol A Biol Sci Med Sci.* 2017 65(9):1270-1276.
 21. Smagula SF, Beach S, **Rosso AL**, Newman AB, & Schulz R. Brain structural markers and caregiving characteristics as interacting correlates of caregiving strain. *American Journal of Geriatric Psychiatry* 2017,25(6):582-591.
 22. Yaffe K, Freimer D, Chen H, Asao K, **Rosso A**, Rubin S, Tranah G, Cummings S, Simonsick E. Olfaction and risk of dementia in a biracial cohort of older adults. *Neurology* 2017, 88(5):456-462.
 23. King AC, Salvo D, Banda J, Ahn DK, Chapman JE, Gill TM, Fielding RA, Demons J, Tudor-Locke C, **Rosso A**, Pahor M, Frank LD. Preserving Older Adults' Routine Outdoor Activities in Contrasting Neighborhood Environments through a Physical Activity Intervention. *Preventive Medicine* 2017, 96:87-93.
 24. Jonassaint C, Birenboim A, Jorgensen DR, Novelli EM, **Rosso AL**. The association of smartphone-based activity space measures with cognitive functioning and pain sickle cell disease. *British Journal of Haematology.* 2017, 181(3):395-397.
 25. **Rosso AL**, Studenski SA, Longstreth WT, Brach JS, Boudreau RM, Rosano C. Contributors to Poor Mobility in Older Adults: Integrating White Matter Hyperintensities and Conditions Affecting Other Systems. *J Gerontol A Biol Sci Med Sci.* 2017, 72(9):1246-1251.
 26. **Rosso AL**, Flatt JD, Carlson MC, Lovasi GS, Rosano C, Brown AF, Matthews KA, Gianaros PJ. Neighborhood Socioeconomic Status and Cognitive Function in Late Life. *Am J Epidemiol.* 2016:183(12):1088-97.
 27. Rosario BL, **Rosso AL**, Aizenstein HJ, Harris TB, Newman AB, Satterfield S, Studenski SA, Yaffe K, Rosano C. Cerebral white matter and slow gait: contribution of hyperintensities and normal-appearing parenchyma. *J Gerontol A Biol Sci Med Sci.* 2016:71(7):968-73.
 28. Barker J, **Rosso AL**, Sparto P, Huppert T. Correction of Motion Artifacts and Serial Correlations for Real-time Functional Near-infrared Spectroscopy. *Neurophotonics.* 2016:3(3).
 29. Flatt JD, **Rosso AL**, Aizenstein HJ, Sculz R, Longstreth WT, Newman AB, Fowler N, Rosano C. Social Network Size and Cerebral Magnetic Resonance Imaging Findings in Older Adults: The Cardiovascular Health Study. *J Am Geriatr Soc.* 2015:63(11):2430-2.
 30. **Rosso AL**, Lee BK, Stefanick ML, Kroenke CH, Coker LH, Woods NF, Michael YL. Caregiving Frequency and Physical Function: the Women's Health Initiative. *J Gerontol A Biol Sci Med Sci.* 2015:70:210-215.
 31. **Rosso AL**, Sanders JL, Arnold AM, Boudreau RM, Hirsch CH, Carlson MC, Rosano C, Kritchevsky SB, Newman AB. Multisystem Physiologic Impairments and Changes in Gait Speed of Older Adults. *J Gerontol A Biol Sci Med Sci.* 2015:70(3):319-24.

32. Grubestic TH, **Rosso AL**. The Use of Spatially Lagged Explanatory Variables for Modeling Neighborhood Amenities and Mobility in Older Adults. *Citiescape: A Journal of Policy Development and Research*. 2014;16(2).
33. **Rosso AL**, Olson Hunt MJ, Yang M, Brach JS, Harris TB, Newman AB, Satterfield S, Studenski SA, Yaffe K, Aizenstein HJ, Rosano C. Higher Step Length Variability Indicates Lower Grey Matter Integrity of Selected Regions in Older Adults. *Gait and Posture*. 2014;40(1):225-30.
34. **Rosso AL**, Tabb LP, Grubestic TH, Taylor JA, Michael YL. Neighborhood Social Capital and Achieved Mobility of Older Adults. *J Aging Health*. 2014;26(8):1301-19.
35. Peterlin BL, **Rosso AL**, Williams MA, Rosenberg JR, Haythornthwaite JA, Merikangas KR, Gottesman RF, Bond DS, He JP, Zonderman AB. Episodic Migraine and Obesity and the Influence of Age, Race, and Sex. *Neurology*. 2013; 81(15):1314-21.
36. **Rosso AL**, Grubestic TH, Auchincloss AH, Tabb LP, Michael YL. Neighborhood Amenities and Mobility in Older Adults. *Am J Epidemiol*. 2013; 178(5):617-37.
37. **Rosso AL**, Eaton CB, Wallace R, Gold R, Curb JD, Stefanick ML, Ockene JK, Michael YL. Geriatric Syndromes and Incident Disability in Older Women: Results from the Women's Health Initiative Observational Study. *J Am Geriatr Soc*. 2013; 61(3):371-9.
38. **Rosso AL**, Taylor JA, Tabb LP, Michael YL. Mobility, Disability, and Social Engagement in Older Adults. *J Aging Health*. 2013; 25(4):617-37.
39. DiMaria-Ghalili RA, Michael YL, **Rosso AL**. Malnutrition in a sample of community-dwelling older Pennsylvanians. *The Journal of Aging Research and Clinical Practice*. 2013;2(1):39-45.
40. Lippa CF, **Rosso AL**. Loss of synaptophysin immunoexpression in primary progressive aphasia. *Am J Alzheimers Dis Other Dement*. 2012; 27(4):250-3.
41. **Rosso AL**, Eaton CB, Wallace R, Gold R, Curb JD, Stefanick ML, Ockene JK, Michael YL. Combined impact of geriatric syndromes and cardiometabolic diseases on measures of functional impairment. *J Gerontol A Biol Sci Med Sci*, 2011;66(3):349-54.
42. Peterlin BL, **Rosso AL**, Sheftell FD, Libon DJ, Mossey JM, Merikangas KR. PTSD, Drug abuse, and Migraine: New Findings from the National Comorbidity Survey Replication (NCS-R). *Cephalalgia*, 2011;31(2):235-44.
43. Smith JA, Karalis DG, **Rosso AL**, Grothusen JR, Hessen SE, Schwartzman RJ. Syncope in Complex Regional Pain Syndrome. *Clin Cardiol*. 2011 Apr;34(4):222-5.
44. Lippa CF, **Rosso A**, Hepler M, Jenssen S, Pillai, J, Irwin D. Levetiracetam: A practical option for seizure management in elderly patients with cognitive impairment. *Am J Alzheimers Dis Other Dement*, 2010;25(20):149-54.
45. Irwin D, Lippa CF, **Rosso A**. Effects of prescribed medications on cognition and behavior in frontotemporal lobar degeneration. *Am J Alzheimers Dis Other Dement*, 2010; 25(7):566-71.
46. Gliabus G, **Rosso AL**, Lippa CF. Progranulin and Beta-Amyloid Distribution. A Case Report of the Brain from Preclinical PS-1 Mutation Carrier. *Am J Alzheimers Dis Other Dement*, 2009; 24(6):456-60.

47. Lippa CF, **Rosso AL**, Stutzbach LD, Neumann M, Lee VMY, Trojanowski JQ. TDP-43 Burden in Familial Alzheimer's Disease and Down's Syndrome. *Arch of Neurol*, 2009; 66(12):1483-8.
48. Gong Y, Lippa CF, Zhu J, Lin Q, **Rosso AL**. Disruption of glutamate receptors at Shank-postsynaptic platform in Alzheimer's disease. *Brain Research*, 2009; 1292: 191-8.
49. Rasmussen JW, Grothusen J, **Rosso A**, Schwartzman RJ. Atypical chest pain: Evidence of intercosticobrachial nerve sensitization in complex regional pain syndrome. *Pain Physician*, 2009; 12:E329-E334.
50. Peterlin BL, **Rosso AL**, Nair S, Young W, Schwartzman RJ. Migraine may be a risk factor for the development of complex regional pain syndrome. *Cephalalgia*, 2010; 30(2):214-23.
51. Peterlin BL, **Rosso AL**, Rapoport AM, Scher AI. Obesity and Migraine: The Effect of Age, Gender and Adipose Tissue Distribution. *Headache*, 2010; 50(1):52-62.
52. Katsnelson MJ, Peterlin BL, **Rosso AL**, Alexander GM, Erwin KL. Self-reported versus measured body mass indices in migraineurs. *Headache*, 2008; 49:663-8.
53. Revuelta GJ, **Rosso A**, Lippa CF. Association between progranulin and beta-amyloid in dementia with Lewy bodies. *Am J Alzheimers Dis Other Demen* 2008;23:488-493.
54. **Rosso AL**, Gallagher RM, Luborsky M, Mossey JM. Depression and self-rated health are proximal predictors of episodes of sustained change in pain in independently living, community dwelling elders. *Pain Medicine*, 2008; 9(8):1035-49.
55. **Rosso AL**, Hovinga ME, Rorke-Adams LB, Spector LG, Bunin GR. A case-control study of childhood brain tumors and father's hobbies – a Children's Oncology Group study. *Cancer Causes Control* 2008; 19(10):1201-7.
56. Irwin D, Lippa CF, **Rosso A**. Progranulin expression in ALS. *J Neurol Sci* 2009; 15:9-13.
57. Revuelta GJ, **Rosso AL**, Lippa CF. Neuritic pathology as a correlate of synaptic loss in dementia with Lewy bodies. *Am J Alzheimers Dis Other Demen* 2008; 23:97-102.

2. Books and Book Chapters

1. **Rosso AL**, Nadkarni NK, Rosano C. Neurobiology of Falls: Neuroimaging Assessment. In "Falls and Cognition in Older Persons: Fundamentals, Assessment & Therapeutic Options". Editors Montero-Odasso M, Camicioli R. Springer Nature, in press.

3. Published Proceedings

4. Invited Articles

1. Rosano C, **Rosso AL**, Studenski SA. Aging, Brain, and Mobility: Progresses and Opportunities. *J Gerontol A Biol Sci Med Sci*. 2014;69(11):1373-4.

5. Review Articles

1. **Rosso AL**, Studenski SA, Chen WG, Aizenstein HJ, Alexander NB, Bennett DA, Black SE, Camicioli R, Carlson MC, Ferrucci L, Guralnik JM, Hausdorff JM, Kaye J, Launer LJ, Lipsitz LA, Newman AB, Verghese J, Rosano C. Aging, the Central Nervous System, and Mobility. *J Gerontol A Biol Sci Med Sci*. 2013;68(11):1379-86.
2. **Rosso AL**, Auchincloss A, Michael YL. The Urban Built Environment and Mobility in Older Adults: a Comprehensive Review. *J Aging Res*, 2011: 81606-10.
3. **Rosso AL**, Wisdom JP, Horner-Johnson W, McGee MG, Michael YL. Aging with a disability: A systematic review of cardiovascular disease and osteoporosis among women aging with a physical disability. *Maturitas*, 2011;68(1):65-72.
4. **Rosso AL**, Mossey JM, Lippa CF. Caffeine – Neuroprotective functions in cognition and Alzheimer’s disease. *Am J Alzheimers Dis Other Demen* 2008; 23:417-422.

6. Published Abstracts

1. Alshebber K, Hoppes C, Dunlap P, Klatt B, **Rosso A**, Sparto P, Furman J, Huppert T, Whitney S. Fear-Avoidance and Lifespace in Individuals with and without Visual Vertigo. American Physical Therapy Association, 2020.
2. Rosano C, **Rosso AL**, Studenski SA, Bohnen N. Gait Slowing Among Frail Older Adults: Is Higher Dopaminergic Signaling Protective? Gerontological Society of America, 2019.
3. **Rosso AL**, Clarke PJ, Studenski SA, Rosano C. Cognitive Decline Enhances Vulnerability to Environmental Determinants of Mobility. Gerontological Society of America, 2019.
4. Godina SL, Rosano C, Matthews KA, Gianaros PJ, Aizenstein HJ, Carlson M, Clarke P, **Rosso AL**. Neighborhood Socioeconomic Status and Gray Matter Volume in Older Adults. Gerontological Society of America, 2019.
5. Chen N, Rosano C, Karim HT, Studenski SA, Aizenstein H, **Rosso AL**. Neural Correlates of Complex Walking Tasks in Older Adults. Gerontological Society of America, 2019.
6. Platt J, Michael Y, Lovasi G, **Rosso A**. The Bidirectional Relationship Between Aging in Place and Cognitive Functioning Over Time. Gerontological Society of America, 2019.
7. Dunlap P, Sejdic E, Hoppes CW, Alshebber KM, Klatt BN, Danaher C, **Rosso AL**, Furman JM, Whitney SL. Gait Changes during Dual-task Walking in Individuals with and without Visual Vertigo. Vestibular Oriented Research Meeting, 2019.
8. **Rosso AL**, Wasson E, Butters MA, Santanasto AJ, Aizenstein HA, Rejeski WJ, Rosano C, Glynn NW. Neural Correlates of Physical and Mental Fatigability in Older Adults. Gerontological Society of America, 2018.
9. **Rosso AL**, Bohnen NI, Launer LJ, Aizenstein HJ, Yaffe K, Rosano C. Dopaminergic Genotype and Resilience to Small Vessel Disease Associations with Slower Gait Speed. Gerontological Society of America, 2018.

10. C. Rosano, S. A. Studenski, A. L. Rosso, A. Metti, N. Bohnen. Higher Nigrostriatal Dopamine Attenuates Gait Slowing Due to Age and Cerebral Small Vessel Disease. Gerontological Society of America, 2018.
11. E. Handing, S. B. Kritchevsky, H. Chen, **A. L. Rosso**, T. M. Manini, J. Rejesk. The Role of Cognition and the Onset of Major Mobility Disability in Older Adults: Results From the LIFE Study. Gerontological Society of America, 2018.
12. M. Carlson, T. Chan, A. Adam, O. Ahmad, P. Roy, C. Rosano, A. Rosso, J. Krakauer. Piloting a Virtual Reality Application to Promote Executive Function and Community Mobility in Aging Adults. Gerontological Society of America, 2018.
13. Rosano C, Studenski SA, **Rosso AL**, Metti AL, Bohnen NI. Higher nigrostriatal dopamine attenuates gait slowing due to age and cerebral small vessel disease. Gerontological Society of America, 2018.
14. Handing EP, Kritchevsky SB, Chen H, **Rosso AL**, Manini T, Rejeski WJ. The role of cognition and the onset of major mobility disability in older adults: Results from the LIFE Study. Gerontological Society of America, 2018.
15. **Rosso AL**, Metti AL, Boudreau RM, Glynn NW, Rejeski WJ, Rosano C. Dopamine-related genes and sustained physical activity adherence in adults at risk for dementia. Alzheimer's Association International Conference, 2017.
16. **Rosso AL**, Metti AL, Nadkarni NK, Yaffe K, Launer L, Rosano C. Dual-task walking as a predictor for later cognitive impairment. Alzheimer's Association International Conference, 2017.
17. Shaaban CE, **Rosso AL**, Aizenstein HJ, Newman AB, Rosano C. Neuroimaging Signature of Dopamine System COMT Genotype in Older Adults. Alzheimer's Association International Conference, 2017.
18. **Rosso AL**, Winger M, Boudreau R, Cauley JA, Waters T, Satterfield S, Harris TB, Yaffe K, Schwartz A, Rubin S, Strotmeyer ES. Cognitive Function and Risk of Injurious Falls. Gerontological Society of America, 2016.
19. **Rosso AL**. Functional Near Infrared Spectroscopy: Novel Methodology for Functional Neuroimaging during Walking. Gerontological Society of America, 2016.
20. Shaaban CE, Aizenstein HJ, **Rosso AL**, Launer LJ, Kritchevsky SB, Yaffe K, Newman AB, Rosano C. Long-Term Relationship of BDNF with Brain Microstructural Integrity of Community-Dwelling Older Adults. Gerontological Society of America, 2015.
21. **Rosso AL**, Flatt JE, Lovasi GS, Carlson MC, Diez Roux A, Matthews KA, Rosano C, Gianaros PJ. Neighborhood Socioeconomic Status, Race, and Cognitive Function in Late Life. Gerontological Society of America, 2015.
22. **Rosso AL**, Huppert T, Rosano C. Neural Contributors to Complex Walking Tasks: Novel Approaches to Community Mobility Interventions. Gerontological Society of America, 2015.
23. **Rosso AL**, Tudorascu D, Aizenstein HJ, Newman AB, Harris TB, Satterfield S, Yaffe K, Rosano C. Age-Related Changes in Grey Matter Volume and Changes in Gait Variability. Gerontological Society of America, 2015.
24. Cruz-Almeida Y, **Rosso AL**, Harris T, Marcum Z, Nevitt M, Satterfield S, Yaffe K, Newman AB, Rosano C. Associations of musculoskeletal pain with mobility in

- older adults: potential cerebral mechanisms. Gerontological Society of America, 2015.
25. Flatt JD, Rosano C, Rosario-Rivera B, **Rosso AL**, Fowler N, Aizenstein HJ, Newman AB, Simonsick E. Association of Social and Recreational Activities with Brain Volumes in Late Life. Gerontological Society of America, 2015.
 26. Cruz-Almeida Y, **Rosso AL**, Newman AB, Rosano C. Pain is associated with rapid gray matter atrophy among community-dwelling older adults. Gerontological Society of America, 2015.
 27. **Rosso AL**, Rosano C. Healthy Brain Project: Neuroepidemiology Study of 15-Year Exposure to Risk Factors for Brain Aging. Symposium chair. Gerontological Society of America, 2015.
 28. **Rosso AL**. Near-Infrared Spectroscopy: Applications of Functional Neuroimaging during Gait and Posture. Symposium chair. International Society for Gait and Posture Research, 2015.
 29. **Rosso AL**, Rosano C, Huppert T. Prefrontal cortex contributions to community mobility. International Society for Gait and Posture Research, 2015.
 30. **Rosso AL**, Studenski SA, Longstreth WT, Brach JS, Rosano C. Contributors to Poor Mobility in Older Adults: Integrating Small Vessel Disease and Conditions Affecting Other Systems. International Society for Gait and Posture Research, 2015.
 31. Sarles CE, Aizenstein HJ, O'Hare C, **Rosso AL**, Launer LJ, Kritchevsky S, Yaffe K, Newman AB, Rosano C. Long-term relationship of serum brain-derived neurotrophic factor with cerebral blood flow and cognition in cognitively normal elders. *Brain*, 2015.
 32. **Rosso AL**, Flatt JE, Lovasi GS, Brown A, Carlson MC, Diez Roux AV, Matthews KA, Rosano C, Gianaros PJ. Neighborhood socioeconomic status, cognitive function, and small vessel disease. *American Academy of Neurology*, 2015.
 33. **Rosso AL**, Sanders J, Rosano C, Boudreau RM, Kritchevsky SB, Hirsch C, Carlson M, Newman AB. Multisystem Physiologic Impairments and Changes in Gait Speed in Older Adults. Gerontological Society of America, 2014. Winner, Health Sciences Research Award.
 34. **Rosso AL**, Studenski SA, Longstreth WT, Rosano C. Small Vessel Disease of the Brain and Peripheral/Sensory Impairments Have Similar Contributions to Poor Mobility. Gerontological Society of America, 2014 (Aging, the Central Nervous System, and Mobility in Older Adults Travel award winner).
 35. Rosario BL, **Rosso AL**, Aizenstein HJ, Newman AB, Studenski SA, Rosano C. Microstructural Integrity is Related to Faster Gait in the Presence of White Matter Hyperintensities. Gerontological Society of America, 2014.
 36. Duchowny K, Clarke P, Gallagher N, Adams R, Kuo A, **Rosso A**, Alexander N. Understanding the Role of the Built Environment for Mobility Disability using Wearable Technology in the Community Setting. Gerontological Society of America, 2014.
 37. **Rosso AL**, Olson Hunt MJ, Brach JS, Newman AB, Studenski SA, Yaffe K, Aizenstein HJ, Rosano C. Higher Step Length Variability Indicates Lower Grey Matter Integrity of Selected Regions in Older Adults. Gerontological Society of

- America, 2013 (Aging, the Central Nervous System, and Mobility in Older Adults Travel award winner).
38. **Rosso AL**, Rosario BL, Aizenstein HJ, Studenski SA, Newman AB, Harris TB, Satterfield S, Yaffe K, Rosano C. White matter hyperintensities, quadriceps strength, and gait speed in older adults. Gerontological Society of America, 2013.
 39. **Rosso AL**, Eaton CB, Wallace R, Gold R, Curb JD, Stefanick ML, Ockene JK, Michael YL. Geriatric Syndromes and Incident Disability in Older Women: Results from the Women's Health Initiative Observational Study. Women's Health Initiative Investigator's Meeting, 2013.
 40. **Rosso AL**, AH Grubestic, AH Auchincloss, LP Tabb, J Taylor, YL Michael. Neighborhood Resources and Mobility of Older Adults in Philadelphia, PA. Gerontological Society of America, 2012.
 41. **Rosso AL**, AH Grubestic, AH Auchincloss, LP Tabb, J Taylor, YL Michael. Social Capital and Older Adult's Mobility – The Modifiable Areal Unit Problem. Gerontological Society of America, 2012.
 42. **Rosso AL**, L Tabb, J Taylor, Y Michael. Mobility, Disability, and Social Engagement in Older Adults. Society for Epidemiologic Research, 2012.
 43. **Rosso AL**, CB Eaton, JD Curb, JK Ockene, M Stefanick, R Gold, R Wallace, YL Michael. Geriatric Syndromes and Incident Disability in Older Women. North American Congress of Epidemiology, 2011.
 44. **Rosso AL**, CB Eaton, JD Curb, JK Ockene, M Stefanick, R Gold, R Wallace, YL Michael. Interaction of Cardiometabolic Diseases and Geriatric Conditions on Function in Older Women. Women's Health Conference, 2011.
 45. **Rosso AL**, CB Eaton, JD Curb, JK Ockene, M Stefanick, R Gold, R Wallace, YL Michael. Interaction of Cardiometabolic Diseases and Geriatric Conditions on Function in Older Women. American College of Epidemiology, 2010.
 46. Peterlin BL, **Rosso AL**, Sheftell FD, Libon DJ, Mossey JM, Merikangas KR. PTSD, Drug Abuse, and Migraine: New Findings from the National Comorbidity Survey Replication (NCS-R). American Academy of Neurology, 2010.
 47. Kulandaivel K, Pillai J, **Rosso A**, Swanson J, Barbara J. Predictors of Refractoriness in Patients with Post-Stroke Epilepsy. American Academy of Neurology, 2010.
 48. Sadhu I, **Rosso AL**, Lippa CF, Liu L. Cardiometabolic Complications in Patients with Dementia. American College of Epidemiology, 2009.
 49. Irwin D, **Rosso AL**, Lippa CF. Effect of Pharmacologic Treatment of Frontotemporal Lobar Degeneration (FTLD) on Measures of Cognition and Disruptive Behaviors. American Neurological Association, 2009.
 50. **Rosso AL**, Lippa CF. Inverse association between cancer history and Alzheimer's disease. Society for Epidemiologic Research, 2009.
 51. **Rosso AL**, Peterlin BL. Abdominal Obesity, Smoking, and Migraine in Women 20-39: NHANES 1999-2004. American Academy of Neurology, 2009.
 52. Peterlin BL, **Rosso AL**, Rapoport AM, Scher AI. Prevalence of migraine in abdominal obesity throughout the adult life-cycle: NHANES 1999-2004. American Academy of Neurology, platform presentation, 2009.
 53. Pillai JA, Badhwar S, Pharmer L, **Rosso A**. Post traumatic epilepsy and anti-epileptic drug therapy. American Academy of Neurology, 2009.

54. Katsnelson M, **Rosso A**, Gzesh D. Prior endarterectomy is a predictor of the absence of carotid stent restenosis. American Academy of Neurology, 2009.
55. Gurgenchashvili K, Amin H, **Rosso A**, Pillai, JA. Ethnicity is a possible risk factor in the development of anti-epileptic drug induced cutaneous reactions. American Academy of Neurology, 2009.
56. Tsai RM, Lippa C, **Rosso A**, Gong Y. PIN1 as a new target to protect synaptic function in Alzheimer's disease. American Academy of Neurology, 2009.
57. Gong Y, Lippa CF, Zhu J, Lin Q, **Rosso AL**. Proteomic analysis of synapse reveals pathogenic protein interactions in Alzheimer's disease. International Conference on Alzheimer's Disease, 2008.
58. Lippa CF, Revuelta G, Gliabus G, Irwin D, Hepler M, **Rosso AL**. Levetiracetam: Seizure management for elderly patients with dementia. Neurology, 2008.
59. **Rosso A**, Mossey JM, Gallagher RM. Predictors of sustained pain improvement or worsening in community dwelling elders. American Academy of Pain Medicine, blue ribbon recipient, 2008.
60. Gliabus G, **Rosso A**, Lippa CF. Progranulin and β -amyloid in Alzheimer's disease. American Neurological Association, 2007.
61. Revuelta GJ, **Rosso AL**, Lippa CF. Progranulin plaques correlate with β -amyloid burden in dementia with Lewy bodies. American Neurological Association, 2007.
62. **Rosso AL**, Hovinga ME, Bunin GR. A case-control study of childhood brain tumors and father's exposures from hobbies. American Public Health Association, platform presentation, 2007.
63. Revuelta GJ, **Rosso A**, Lippa CF. Tau and alpha-synuclein neurites correlate with synaptophysin loss in dementia with Lewy bodies. Neurology, 2007.
64. Irwin D, **Rosso A**, Lippa CF. Progranulin expression in Amyotrophic Lateral Sclerosis: An immuno-histochemical analysis. American Academy of Neurology, 2007.
65. Gliabus G, Lippa CF, **Rosso A**. Abnormal progranulin immunoexpression precedes tau pathology in preclinical Alzheimer's disease. American Academy of Neurology, 2007.
66. Lippa CF, **Rosso A**. Loss of synaptophysin immunoexpression in primary progressive aphasia. International Conference on Frontotemporal Dementias, platform presentation, 2006.

7. Other Publications

1. Pennsylvania Department of Health, Nursing Home Quality Improvement Task Force Report, 2016.

SERVICE

1. Service to School and University

Years	Committee	Position
-------	-----------	----------

Years	Committee	Position
2016-	Admissions Committee, Department of Epidemiology, University of Pittsburgh	Member
2013-2014	Center for Aging and Population Health, Works in Progress	Organizer
2012-2013	Departmental Faculty & Student Relations, Department of Epidemiology, Drexel University	Student liaison
2006-2007	Philadelphia Public Health Student Council	Founding member

2. Service to Field of Scholarship

a. Editorial Boards, Editorships

Date	Position	Organization
2019-	Associate Editor	GeroScience
2018-	Editorial Board	Journal of Gerontology Medical Science

b. Manuscript and Other Document/Publication Review

Dates	Journal Title
2009-2019	American Journal of Alzheimer's Disease and Other Dementias
2012-2015	Journals of Gerontology, Social Sciences
2012	Gerontologist
2013-2019	Journal of Aging and Health
2013-2019	Journals of Gerontology, Medical Sciences
2013	JAMA Internal Medicine
2014	Age and Ageing
2014-2018	Journal of the American Geriatrics Society
2015	American Journal of Geriatric Psychiatry
2015-2016	Psychosomatic Medicine
2016	Journal of the Neurological Sciences
2016-2017	Social Science in Medicine
2016-2019	Journal of Alzheimer's Disease
2017	Scientific Reports – Nature Journals
2017	BMC Geriatrics
2017	Journal of Applied Gerontology
2017-2018	Brain and Cognition

Dates	Journal Title
2017-2018	Experimental Gerontology
2018	NeuroImage Clinical
2018	Journal of Internal Medicine
2018	Neurology
2019	PLOS One
2019	Sports Medicine
2019	Aging and Mental Health
2019	Human Factors
2019	American Journal of Epidemiology

c. Study Sections, Review Panels, and Advisory Boards

Date	Position	Organization and Nature of Activity
2007-2011	Member	Medical/Science Advisory Committee, Alzheimer's Association Delaware Valley Chapter

d. Leadership in Scholarly and Professional Organizations and Honorary Societies

Date	Position	Organization
-------------	-----------------	---------------------

3. Service for Practice and Policy-Making, including Consultantships

a. Governmental Organizations

Date	Position	Type of Service and/or Agency
-------------	-----------------	--------------------------------------

b. Non-Governmental and Community-Based Organizations

Date	Position	Type of Service and/or Organization
-------------	-----------------	--

4. Non-Professional Service

Year(s)

Position and Organization

Type of Service