

## CURRICULUM VITAE

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### Molly E. Zimmerman, Ph.D.

Fordham University  
Department of Psychology  
441 East Fordham Road  
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Bronx, NY 10458  
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### EDUCATION

- 1996 University of Cincinnati, Cincinnati, OH  
B.A., Psychology; *Cum Laude*
- 2001 University of Cincinnati, Cincinnati, OH  
M.A., Clinical Psychology (Neuropsychology) (APA Accredited Program)  
Thesis: “*Neurocognitive correlates of prefrontal cortex subregion volumes in bipolar disorder.*”  
Mentors: Stephen M. Strakowski, M.D. and Paula K. Shear, Ph.D.
- 2004 University of Cincinnati, Cincinnati, OH  
Ph.D., Clinical Psychology (Neuropsychology) (APA Accredited Program)  
Dissertation: “*Executive functioning correlates of anterior cingulate subregion volumes in bipolar disorder.*”  
Mentors: Stephen M. Strakowski, M.D. and Paula K. Shear, Ph.D.
- 2004 Brown University, Warren Alpert Medical School, Providence, RI  
Clinical Psychology Internship Consortium  
Intern, Clinical Neuropsychology (APA Accredited Program)  
Supervisors: Mark S. Aloia, Ph.D., Paul Malloy, Ph.D.

### POST-GRADUATE TRAINING

- 2006 Brown University, Warren Alpert Medical School, Providence, RI  
NIA/NIH T32 Institutional Research Training Program in Dementia  
Fellow, Postdoctoral Research  
Mentor: Mark S. Aloia, Ph.D.

### ACADEMIC APPOINTMENTS

- 2023-present Professor with Tenure  
Department of Psychology  
Fordham University, Bronx, NY
- 2018-present Associate Professor with Tenure

Department of Psychology  
Fordham University, Bronx, NY

- 2014-2018 Associate Professor  
Department of Psychology  
Fordham University, Bronx, NY
- 2014-2019 Research Associate Professor  
Saul R. Korey Department of Neurology  
Albert Einstein College of Medicine, Bronx, NY
- 2006-2014 Assistant Professor  
Saul R. Korey Department of Neurology  
Albert Einstein College of Medicine, Bronx, NY

### **PROFESSIONAL LICENSURE**

Psychologist (New York #017167)  
Effective date: 06/06/2007  
Expiration/Renewal date: 10/31/2024

### **AWARDS AND HONORS**

- 2000 University Research Council Summer Research Fellow  
University of Cincinnati
- 2002 University Research Council Summer Research Fellow  
University of Cincinnati
- 2003 NIDA Women and Gender Junior Investigator Travel Award
- 2005 NIMH Summer Research Institute Fellowship in Geriatric Psychiatry
- 2006 NIH Clinical Loan Repayment Program Award
- 2007 Resnick Gerontology Center Pilot Grant Award, Albert Einstein College of  
Medicine
- 2008 NIH Clinical Loan Repayment Program Award
- 2009 International Conference on Alzheimer's Disease (ICAD) Travel Fellowship
- 2011 International Conference on Alzheimer's Disease (ICAD) Travel Fellowship
- 2011 Marx Better Fellow in Aging Research, Albert Einstein College of Medicine
- 2013 Charleston Conference on Alzheimer's Disease (CCAD) Junior Investigator
- 2018 Tenure, Department of Psychology, Fordham University
- 2023 Fordham College Rose Hill at Fordham University, Undergraduate Research  
Faculty Mentor Award

### **GRANT FUNDING**

#### **Active Research Support**

**Funding Agency:** National Institutes of Health/National Institute of Neurological Disorders  
and Stroke

**Type:** R01 NS123445 (mP.I.: Michael Lipton, M.D., Ph.D. and Johanna P. Daily, M.D.)

**Title:** *Characterizing Persistent Subclinical Neurobehavioral effects of COVID-19 in a Diverse  
Urban Population.*

**Summary:** This longitudinal project seeks to characterize subclinical effects on brain structure and function among individuals who have experienced mild COVID-19 illness. Critically, this project is uniquely positioned to leverage over 700 extensively characterized participants in an existing study of healthy New York City area residents aged 18-55 that began prior to COVID-19.

**Role:** Principal Investigator on subcontract; Co-Investigator

**Funding Period:** April 1, 2022- March 31, 2027

**Total Funding:** \$3,563,405 (approx.)

**Funding Agency:** National Institutes of Health/National Institute of Neurological Disorders and Stroke

**Type:** R01 NS123374 (P.I.: Michael Lipton, M.D., Ph.D.)

**Title:** *Heading and Soccer: Understanding Cognitive Risks, Benefits, and Potential Mediating Role of White Matter.*

**Summary:** This application will develop a scientific foundation on which to build strategies to mitigate persistent brain injury from soccer head impacts. The project aims will examine both short- and long-term effects of soccer heading on neurocognitive decline and white matter microstructural changes as well as important potential modifiers of these relationships.

**Role:** Principal Investigator on subcontract; Co-Investigator

**Funding Period:** August 1, 2022-July 31 2027

**Total Funding:** \$3,719,555 (approx.)

### **Completed Research Support**

**Funding Agency:** National Institutes of Health/National Institute on Aging

**Type:** P01 AG003949 (m.P.I.: Richard Lipton, M.D. and Martin Sliwinski, Ph.D.)

**Title:** *Einstein Aging Study*

**Summary:** The overall focus of the Einstein Aging Study is to identify early cognitive, metabolic, anatomic, and neuropathologic markers that distinguish ‘normal aging’ from dementia in a large community-based sample.

**Role:** Co-Investigator (2006-2019), Clinical Core Leader (2016-2019)

**Time Frame:** 2006-2019 (spanning 2 successful renewals)

**Yearly Funding:** \$2,376,760/year (approx.)

**Funding Agency:** National Institutes of Health/ National Institute of Neurological Disorders and Stroke

**Type:** R01 NS082432 (P.I.: Michael L. Lipton, M.D., Ph.D.)

**Title:** *Brain Injury due to Soccer Heading and Opportunities for it's Mitigation*

**Summary:** This study aimed to determine the influence of heading on brain structure and function in amateur soccer players using three integrated study designs that utilize cross-sectional, longitudinal, and intensive measurement approaches.

**Role:** Co-Investigator

**Time Frame:** 2013-2019

**Total Funding:** \$3,450,530 (approx.)

**Funding Agency:** National Institutes of Health/National Institute on Aging

**Type:** U2C AG060408 (P.I.: Martin Sliwinski, Ph.D.)

**Title:** *Ambulatory Methods for Measuring Cognitive Change*

**Summary:** Identification of modifiable risk factors prior to the development of neurological conditions in old age represents a critical challenge for developing effective treatment and preventive measures, controlling health care costs, and ultimately improving the quality of life for seniors and their families. This requires methods to detect subtle cognitive changes years prior to the onset of discernable symptoms. This research will significantly advance these efforts by developing innovative ambulatory methods that rely on mobile and sensor technology to measure the cognitive and behavioral function of people in their everyday life.

**Role:** Co-Investigator (Site Principal Investigator on subcontract)

**Time Frame:** 2018-2019

**Yearly Funding:** \$2,278,310/year (approx.)

**Funding Agency:** National Institutes of Health/National Institute on Aging

**Type:** U01 AG062370 (P.I.: Lesley Ross, Ph.D.)

**Title:** *Elucidating the Necessary Components and Mechanisms of Cognitive Training*

**Summary:** Cognitive training is directly relevant to public health as it is a noninvasive behavioral intervention that targets maintained health, everyday function, and maintained independence in older adults. The planning project collected preliminary data exploring the moderators and mechanisms of cognitive training for a future research project.

**Role:** Co-Investigator

**Time Frame:** 2018-2019

**Yearly Funding:** \$909,806/year (approx.)

**Funding Agency:** Fordham University

**Type:** First Year Faculty Research Grant

**Title:** *Hippocampal and Prefrontal Mediators of Stress and Cognition: a Pilot Study*

**Summary:** The goal of this project was to collect pilot data to explore how individual differences in brain structure influence or mediate relationships between psychological stress and cognition in ethnically and racially diverse adults.

**Role:** Principal Investigator

**Time Frame:** 2014-2015

**Total Funding:** \$6,500

**Funding Agency:** National Institutes of Health/ National Institute on Aging

**Type:** P01AG027734 (P.I.: Nir Barzilai, M.D.)

**Title:** *Role of Genes in Exceptional Longevity in Humans*

**Summary:** The long-term goal of this Program was to identify genes that contribute to exceptional longevity in humans and to assess the associations among these genes with age-related diseases and longevity.

**Role:** Co-Investigator

**Time Frame:** 2008-2011

**Yearly Funding:** \$1,727,298/year (approx.)

**Funding Agency:** Alzheimer's Association

**Type:** New Investigator Research Grant (NIRG)

NIRG-11-206369

**Title:** *Chronic Pain and Cognitive Dysfunction in Older Adults*

**Summary:** The goal of this study was to comprehensively characterize the etiology and course of chronic pain in an ethnically-diverse cohort of community-dwelling older adults.

**Role:** Principal Investigator

**Time Frame:** 2012-2013

**Total Funding:** \$100,000

**Funding Agency:** Merck Sharp & Dohme Corporation

**Type:** Merck Investigator Initiated Studies Program – Clinical

IISP# 38015

**Title:** *Prevalence and Treatment Patterns of Sleep Disturbances in Community-Dwelling Older Adults*

**Summary:** This study analyzed archival data to examine sleep disturbances and their consequences in an elderly population.

**Role:** Principal Investigator

**Time Frame:** 2010-2011

**Total Funding:** \$100,800

**Funding Agency:** Bristol-Myers Squibb

**Type:** Clinical Research Grant

**Title:** *Comparison of ‘Word’ vs. ‘Picture’ Version of the Free and Cued Selective Reminding Test (FCSRT) in Older Adults*

**Summary:** This study determined the relationship between the Word and Picture versions of the FCSRT and develop an algorithm for converting scores from one version to the other.

**Role:** Principal Investigator

**Time Frame:** 2010-2011

**Total Funding:** \$140,000

**Funding Agency:** U.S. Department of Health and Human Services

**Type:** T06HP01810-01-00 (P.I.: Richard Zweig, Ph.D.)

**Title:** *Doctoral Gero-Psychology Training in a Primary Care Setting*

**Summary:** Utilizing an inter-disciplinary training and treatment model, this training project paired psychology trainees with medical residents to optimize integrated mental health service delivery in primary care.

**Role:** Site Coordinator

**Time Frame:** 2006-2007

**Funding Agency:** National Institutes of Health/ National Institute on Aging

**Type:** T32AG020498 (P.I.: Paul Malloy, Ph.D.)

**Title:** *Brown University Dementia Research Fellowship*

**Summary:** This postdoctoral dementia research fellowship provided trainees with background knowledge in the basic and applied aspect of dementia research; expertise in research methodology and ethical conduct of research, and research experience through participation in ongoing grant-funded research.

**Role:** Postdoctoral Research Fellow

**Time Frame:** 2004-2006

## PEER-REVIEWED PUBLICATIONS

\* Indicates undergraduate student author under my mentorship

\*\* Indicates graduate student author under my mentorship

1. Sax, K. W., Strakowski, S. M., **Zimmerman, M. E.**, DelBello, M. P., Hawkins, J. M., & Keck Jr., P. E. Frontosubcortical neuroanatomy and the continuous performance test in mania. *American Journal of Psychiatry*, 156, 139-141; 1999. PMID: 9892312
2. Strakowski, S. M., DelBello, M. P., Sax, K. W., **Zimmerman, M. E.**, Shear, P. K., Hawkins, J. M., Larson, E. R. Brain magnetic resonance imaging of structural abnormalities in bipolar disorder. *Archives of General Psychiatry*, 56, 254-260; 1999. PMID: 10078503
3. DelBello, M. P., Strakowski, S. M., **Zimmerman, M. E.**, Sax, K. W., & Hawkins, J. M. MRI analysis of the cerebellum in bipolar disorder: A pilot study. *Neuropsychopharmacology*, 21, 63-68; 1999. PMID: 10379520
4. DelBello, M. P., Soutullo, C. A., **Zimmerman, M. E.**, Sax, K. W., McElroy, S. L., & Strakowski, S. M. Traumatic brain injury in individuals convicted of sexual offenses with and without bipolar disorder. *Psychiatry Research*, 89, 281-286; 1999. PMID: 10708275
5. Getz, G. E., DelBello, M. P., Fleck, D. E., **Zimmerman, M. E.**, Schwiers, M. L., & Strakowski, S. M. Neuroanatomic characterization of schizoaffective disorder using MRI: A pilot study. *Schizophrenia Research*, 55, 55-59; 2002. PMID: 11955963
6. Lopez-Larson, M. P., DelBello, M. P., **Zimmerman, M. E.**, & Strakowski, S. M. Regional prefrontal gray and white matter abnormalities in patients with bipolar disorder. *Biological Psychiatry*, 52, 93-100; 2002. PMID: 12114000
7. Strakowski, S. M., DelBello, M. P., **Zimmerman, M. E.**, Getz, G. E., Mills, N., Ret, J., Shear, P. K., & Adler, C. M. Ventricular and periventricular structural volumes in first- versus multiple-episode bipolar disorder. *American Journal of Psychiatry*, 159, 1841-1847; 2002. PMID: 12411217
8. Fleck, D. E., Shear, P. K., **Zimmerman, M. E.**, Getz, G. E., Corey, K. B., Jak, A., & Strakowski, S. M. Verbal memory deficits in mania: Effects of clinical state and task requirements. *Bipolar Disorders*, 5, 375-380; 2003. PMID: 14525560
9. Krikorian, R., **Zimmerman, M. E.**, Fleck, D. E. Inhibitory control in obsessive-compulsive disorder. *Brain and Cognition*, 54, 257-259; 2004. PMID: 15050788
10. Fleck, D. E., DelBello, M. P., **Zimmerman, M. E.**, Getz, G. E., Shear, P. K., & Strakowski, S. M. Selective attention in schizoaffective disorder: Pilot data. *Schizophrenia Research*, 68, 109-110; 2004. PMID: 15037347

11. DelBello, M. P., **Zimmerman, M. E.**, Mills, N. P., Getz, G. E., & Strakowski, S. M. Magnetic resonance imaging analysis of amygdala and other subcortical brain regions in adolescents with bipolar disorder. *Bipolar Disorders*, 6, 43-52; 2004. PMID: 14996140
12. **Zimmerman, M. E.**, DelBello, M. P., Getz, G. E., Shear, P. K., & Strakowski, S. M. Anterior cingulate subregion volumes and executive function in bipolar disorder. *Bipolar Disorders*, 8, 281-288; 2006. PMID: 16696831
13. Brickman, A. M., **Zimmerman, M. E.**, Paul, R. H., Grieve, S. M., Tate, D. F., Cohen, R. A., Williams, L. M. & Gordon, E. Regional white matter volume and neuropsychological functioning across the adult lifespan. *Biological Psychiatry*, 60, 444-453; 2006. PMID: 16616725
14. **Zimmerman, M. E.**, Arnedt, J. T., Stanchina, M., Millman, R. P., & Aloia, M. S. Normalization of memory performance and PAP adherence in memory-impaired patients with obstructive sleep apnea. *Chest*, 130, 1772-1778; 2006. PMID: 17166995
15. **Zimmerman, M. E.**, Brickman, A. M., Paul, R. H., Grieve, S. M., Tate, D. L., Gunstad, J., Cohen, R. A., Aloia, M. S., Williams, L. M., Clark, C. R., Whitford, T. J., Gordon, E. The relationship between frontal gray matter volume and cognition varies across the healthy adult lifespan. *American Journal of Geriatric Psychiatry*, 14, 823-833; 2006. PMID: 17001022
16. Felver-Gant, J., Bruce, A. S., **Zimmerman, M. E.**, Sweet, L., Millman, R. P., & Aloia, M. S. Working memory in obstructive sleep apnea: Construct validity and treatment effects. *Journal of Clinical Sleep Medicine*, 3, 589-594; 2007. PMCID: PMC2045718
17. **Zimmerman, M. E.**, Pan, J. W., Hetherington, H. P., Katz, M. J., Verghese, J., Buschke, H., Derby, C. A., Lipton, R. B. Hippocampal neurochemistry, neuromorphometry, and verbal memory in nondemented older adults. *Neurology*, 70, 1594-1600; 2008. PMCID: PMC2735229
18. Verghese, J., Robbins, M., Holtzer, R., **Zimmerman, M. E.**, Wang, C., Xue, X., & Lipton, R. B. Gait dysfunction in mild cognitive impairment syndromes. *Journal of the American Geriatrics Society*, 56, 1244-1255; 2008. PMCID: PMC2574944
19. Holtzer, R., Goldin, Y., **Zimmerman, M. E.**, Katz, M., Buschke, H., & Lipton, R. B. Robust norms for selected neuropsychological tests in older adults. *Archives of Clinical Neuropsychology*, 23, 531-541; 2008. PMCID: PMC2610426
20. Aloia, M. S., Goodwin, M. S., Velicer, W. F., Arnedt, J. T., **Zimmerman, M. E.**, Skrekas, J., Harris, S., & Millman, R. P. Time series analysis of treatment adherence patterns in individuals with obstructive sleep apnea. *Annals of Behavioral Medicine*; 36, 44-53; 2008. PMID: 18726659

21. Aloia, M. S., Sweet, L. H., Jerskey, B.A., **Zimmerman, M. E.**, Arnedt, J. T., & Millman, R. P. Treatment effects on brain activity during a working memory task in obstructive sleep apnea. *Journal of Sleep Research*; 18, 404-410; 2009. PMID: 19765205
22. Lipton, M. L., Gulko, E., **Zimmerman, M. E.**, Friedman, B. W., Kim, M., Gellella, E., Gold, T., Shifteh, K., Ardekani, B., & Branch, C. A. Diffusion-tensor imaging implicates prefrontal axonal injury in executive function impairment following very mild traumatic brain injury. *Radiology*; 252, 816-824; 2009. PMID: 19567646
23. Brickman, A. M., Muraskin, J., & **Zimmerman, M. E.** Structural neuroimaging in Alzheimer's disease: do white matter hyperintensities matter? *Dialogues in Clinical Neuroscience*; 11, 181-190; 2009. PMCID: PMC2864151
24. **Zimmerman, M. E.**, Lipton, R. B., Pan, J. W., Hetherington, H. P., & Verghese, J. MRI- and MRS-derived hippocampal correlates of quantitative locomotor function in older adults. *Brain Research*; 1291, 73-81; 2009. PMCID: PMC2747520
25. **Zimmerman, M. E.**, Pan, J. W., Hetherington, H. P., Lipton, M. L., Baigi, K., & Lipton, R. B. Hippocampal correlates of pain in elderly adults: a pilot study. *Neurology*; 73, 1567-1570; 2009. PMCID: PMC2777070
26. Gunning-Dixon, F. M., Walton, M., Cheng, J., Acuna, J., Klimstra, S., **Zimmerman, M. E.**, Brickman, A. M., Hoptman, M. J., Young, R. C., Alexopolous, G. S. MRI signal hyperintensities and treatment remission of geriatric depression. *Journal of Affective Disorders*; 126, 395-401; 2010. PMCID: PMC2946967
27. Vederman, A. C., Holtzer, R., **Zimmerman, M. E.**, Devinsky, O., & Barr, W. B. Ictal mnemestic aura and verbal memory function. *Epilepsy & Behavior*; 17, 474-477; 2010. PMID: 20207589
28. San Luciano, M., Lipton, R. B., Wang, C., Katz, M., **Zimmerman, M. E.**, Sanders, A., Ozelius, L.O., Bressman, S. B., & Saunders-Pullman, R. Clinical LRRK2 G2019S expression in the elderly. *Movement Disorders*, 25, 2571-2576; 2010. PMCID: PMC2978804
29. Ray, L., Lipton, R. B., **Zimmerman, M. E.**, Katz, M. J., & Derby, C. A. Metabolic syndrome and the association between obesity and chronic pain in the elderly. *Pain*, 152, 53-59; 2011. PMCID: PMC3004990
30. **Zimmerman, M. E.**, Lipton, R. B., Santoro, N., McConnell, D. S., Derby, C. A., Katz, M. J., Biagi, K., & Saunders-Pullman, R. Endogenous estradiol is associated with verbal memory in nondemented older men. *Brain and Cognition*, 76, 158-165; 2011. PMCID: PMC3081925
31. Sailor, K. M., **Zimmerman, M. E.**, & Sanders, A. E. Differential impacts of age of



- acquisition on letter and semantic fluency in Alzheimer's disease patients and healthy older adults. *Quarterly Journal of Experimental Psychology*, 64, 2383-2391; 2011. PMID: PMC3671596
32. Brickman, A. M., Sneed, J. R., Provenzano, F. A., Garcon, E., Johnert, L., Muraskin, J., Yeung, L. K., **Zimmerman, M. E.**, & Roose, S. P. Quantitative approaches for assessment of white matter hyperintensities in elderly populations. *Psychiatry Research: Neuroimaging*, 193, 101-106; 2011. PMID: PMC3164869
  33. Brickman, A. M., Meier, I. B., Korgaonkar, M. S., Provenzano, F. A., Grieve, S. M., Siedlecki, K. L., Wasserman, B. T., Williams, L. M., & **Zimmerman, M. E.** Testing the white matter retrogenesis hypothesis of cognitive aging. *Neurobiology of Aging*, 33, 1699-1715; 2012. PMID: PMC3222729
  34. Katz, M. J., Lipton, R. B., Hall, C. B., **Zimmerman, M. E.**, Sanders, A. E., Verghese, J., Dickson, D. W., & Derby, C. A. Age and sex specific prevalence and incidence of mild cognitive impairment, dementia and Alzheimer's disease in blacks and whites: A report from the Einstein Aging Study. *Alzheimer's Disease and Associated Disorders*, 26, 335-343; 2013. PMID: PMC3334445
  35. \*\*Ramratan, W. S., Rabin, L. A., Wang, C., **Zimmerman, M. E.**, Katz, M. J., Lipton, R. B., & Buschke, H. Level of recall, retrieval speed, and variability on the Cued-Recall Retrieval Speed Task (CRRST) in individuals with amnesic mild cognitive impairment. *Journal of the International Neuropsychological Society*, 18, 260-268; 2012. PMID: PMC3678534
  36. **Zimmerman, M. E.**, Bigal, M. E., Katz, M. J., Brickman, A. M., & Lipton, R. B. Sleep onset/maintenance difficulties and cognitive function in nondemented older adults: the role of cognitive reserve. *Journal of the International Neuropsychological Society*, 18, 461-470; 2012. PMID: PMC3682475
  37. Lipton, M. L., Kim, N., Park, Y. K., Hulkower, M. B., Gardin, T. M., Shifteh, K., Kim, M., **Zimmerman, M. E.**, Lipton, R. B., & Branch, C. A. Robust detection of traumatic axonal injury in individual traumatic brain injury patients: Intersubject variation, change over time and bidirectional changes in anisotropy. *Brain Imaging and Behavior*, 6, 329-342; 2012. PMID: 22684769
  38. Hoth, K. F., **Zimmerman, M. E.**, Meschede, K. A., Arnedt, J. T., & Aloia, M. S. Obstructive sleep apnea: Impact of hypoxemia on memory. *Sleep and Breathing*, 17, 811-817; 2013. PMID: PMC3556350
  39. Provenzano, F. A., Muraskin, J., Narkhede A., Wasserman, B. T., Griffith, E. Y., Guzman, V. A., Meier, I. B., **Zimmerman, M. E.**, & Brickman, A. M. White matter hyperintensities and cerebral amyloidosis: Necessary and sufficient components for clinical expression of Alzheimer's disease? *JAMA Neurology*, 70, 455-461; 2013. PMID: PMC4124641

40. **Zimmerman, M. E.**, Bigal, M. E., Katz, M. J., Derby, C. A., & Lipton, R. B. Are sleep onset/maintenance difficulties associated with medical or psychiatric comorbidities in nondemented community-dwelling older adults? *Journal of Clinical Sleep Medicine*, *9*, 363-369; 2013. PMID: PMC3601315
41. Derby, C. A., Burns, L. C., Wang, C., Katz, M. J., **Zimmerman, M. E.**, L'Italien, G., Guo, Z., Berman, R. M., & Lipton, R. B. Screening for predementia AD: Time dependent operating characteristics of common episodic memory tests. *Neurology*, *80*, 1307-1314; 2013. PMID: PMC3656458
42. Guzman, V.A., Carmichael, O.T., Schwarz, C., Tosto, G., **Zimmerman, M.E.**, & Brickman, A.M. White matter hyperintensities and amyloid are independently associated with entorhinal cortex volume among individuals with mild cognitive impairment. *Alzheimer's & Dementia*, *9*, S124-S131; 2013. PMID: PMC3663926
43. Lipton, M. L., Kim, N., **Zimmerman, M. E.**, Kim, M., Stewart, W. F., Branch, C. A., & Lipton, R. B. Soccer heading is associated with white matter microstructural and cognitive performance abnormalities. *Radiology*, *268*, 850-857; 2013. PMID: PMC3750422
44. Ezzati, A., **Zimmerman, M. E.**, Katz, M. J., & Lipton, R. B. Hippocampal correlates of depression in healthy elderly adults. *Hippocampus*, *23*, 1137-1142; 2013. PMID: PMC4018740
45. Milman, S., Sculder-Katz, M., Deluty, J., **Zimmerman, M. E.**, Crandall, J. P., Barzilai, N., Melamed, M. L., & Atzmon, G. Individuals with exceptional longevity manifest a delayed association between vitamin D insufficiency and cognitive impairment. *Journal of the American Geriatrics Society*, *62*, 153-158; 2014. PMID: PMC4055513
46. Ezzati, A., Jiang, J., Katz, M. J., Sliwinski, M. J., **Zimmerman, M. E.**, & Lipton, R. B. Validation of the Perceived Stress Scale in a community sample of older adults. *International Journal of Geriatric Psychiatry*, *29*, 645-652; 2014. PMID: PMC4013212
47. Tosto, G., Carmichael, O., **Zimmerman, M. E.**, & Brickman, A. M. Predicting aggressive decline in mild cognitive impairment: The importance of white matter hyperintensities. *JAMA Neurology*, *71*, 872-877; 2014. PMID: PMC4107926
48. Ezzati, A., **Zimmerman, M. E.**, Katz, M. J., Sundermann, E. E., Smith, J., Lipton, M. L., & Lipton, R. B. Hippocampal subfields differentially correlate with chronic pain in older adults. *Brain Research*, *1573*, 54-62; 2014. PMID: PMC4111097
49. White, R. S., Jiang, J., Hall, C. B., Katz, M. J., **Zimmerman, M. E.**, Sliwinski, M. J. & Lipton, R. B. Higher Perceived Stress Scale scores are associated with higher pain interference levels. *Journal of the American Geriatrics Society*, *62*, 2350-2356; 2014.

PMCID: PMC4362541

50. Zammit, A. R., Katz, M. J., Lai, J. Y., **Zimmerman, M.E.**, Bitzer, M., & Lipton, R.B. Association between renal function and cognitive ability domains in the Einstein Aging Study: A cross-sectional analysis. *Journals of Gerontology A: Biological Sciences, Medical Sciences*, 70, 764-770; 2015. PMCID: PMC4506319
51. **Zimmerman, M. E.**, Katz, M. J., Wang, C., Burns, L. C., Berman, R. M., Derby, C. A., L'Italien, G., Budd, D., & Lipton, R. B. Comparison of "word" vs. "picture" versions of the Free and Cued Selective Reminding Test (FCSRT) in Older Adults. *Alzheimer's & Dementia: Diagnosis, Assessment & Disease Monitoring*, 1, 94-100; 2015. PMCID: PMC4392402
52. Aronov, A., Rabin, L. A., Fogel, J., Chi, S. Y., Kann, S. J., Abdelhak, N., & **Zimmerman, M. E.** The relationship of cognitive strategy use to prospective memory performance in a demographically-diverse sample of non-demented older adults. *Aging, Neuropsychology, and Cognition*, 22, 486-501; 2015. PMCID: PMC4624306
53. Zammit, A. R., Katz, M. J., **Zimmerman, M. E.**, Bitzer, M., Lai, J. Y., & Lipton, R. B. Low eGFR is associated with dysexecutive and amnesic mild cognitive impairment. *Alzheimer's & Dementia: Diagnosis, Assessment & Disease Monitoring*, 1, 152-159; 2015. PMCID: PMC4438786
54. Tosto, G., **Zimmerman, M. E.**, Hamilton, J. L., Carmichael, O. T., & Brickman, A. M. The effect of white matter hyperintensities on neurodegeneration in mild cognitive impairment. *Alzheimer's & Dementia*; 11, 1510-1519; 2015. PMCID: PMC4677059
55. Tsapanou, A., Gu, Y., Manly, J., Schupf, N., Tang, M., **Zimmerman, M.**, Scarmeas, N., & Stern, Y. Daytime sleepiness and sleep inadequacy as risk factors for dementia. *Dementia and Geriatric Cognitive Disorders*; 10, 286-295; 2015. PMCID: PMC4521063
56. Tsapanou, A., Gu, Y., O'Shea, D., Eich, T., Tang, M., Schupf, N., Manly, J., **Zimmerman, M.**, Scarmeas, N., & Stern, Y. Daytime somnolence as an early sign of cognitive decline in a community-based study of elderly. *International Journal of Geriatric Psychiatry*; 31, 247-255; 2016. PMCID: PMC5381157
57. Busovaca, E., **Zimmerman, M. E.**, Meier, I. B., Griffith, E. Y., Grieve, S. M., Korgaonkar, M. S., Williams, L. M., & Brickman, A. M. Is the Alzheimer's disease cortical thickness signature a biological marker for memory? *Brain Imaging and Behavior*; 10, 517-523; 2016. PMCID: PMC4670278
58. Eslami, V., **Zimmerman, M. E.**, Grewal, T., Katz, M. J., & Lipton, R. B. Pain grade and sleep disturbance in elderly: Evaluation of the role of pain, stress, and depression. *International Journal of Geriatric Psychiatry*; 31, 450-457; 2016. PMID: 26422058
59. Katz, M. J., Derby, C. A., Wang, C., Sliwinski, M. J., Ezzati, A., **Zimmerman, M. E.**,

- Zwerling, J., & Lipton, R. B. Influence of perceived stress on incident amnesic mild cognitive impairment: results from the Einstein Aging Study. *Alzheimer's Disease and Associated Disorders*; 30, 93-98; 2016. PMID: PMC4877262
60. Sundermann, E. E., Wang, C., Katz, M. J., **Zimmerman, M. E.**, Derby, C. A., Hall, C. B., Ozelius, L. J., & Lipton, R. B. Cholesteryl ester transfer protein genotype modifies the effect of apolipoprotein e4 on memory decline in older adults. *Neurobiology of Aging*; 41, 200.e7-200.e12; 2016. PMID: PMC5586214
61. Rostanski, S., **Zimmerman, M. E.**, Schupf, N., Manly, J. J., Westwood, A. J., Brickman, A. M., & Gu, Y. Sleep disordered breathing and white matter hyperintensities in community-dwelling elders. *Sleep*; 39, 785-791; 2016. PMID: PMC4791612
62. Ezzati, A., Katz, M. J., Lipton, M. L., **Zimmerman, M. E.**, & Lipton, R. B. Hippocampal volume and cingulum bundle fractional anisotropy are independently associated with verbal memory in older adults. *Brain Imaging and Behavior*; 10, 652-659; 2016. PMID: PMC4816657
63. Lee, S., \*\*Viqar, F. **Zimmerman, M. E.**, Narkhede, A., Tosto, G., Benzinger, T. L. S., Marcus, D. S., Fagan, A. M., Goate, A., Fox, N. C., Cairns, N. J., Holtzman, D. M., Buckles, V., Moulder, K., Aisen, P., Ghetti, B., Klunk, W. E., McDade, E., Martins, R. N., Saykin, A., Masters, C. L., Ringman, J. M., Rossor, M. N., Schofield, P. R., Sperling, R. A., Correia, S., Jack, C., Weiner, M., Bateman, R., Morris, J. C., Mayeux, R., & Brickman, A. M. for the Dominantly Inherited Alzheimer Network. White matter hyperintensities are a core feature of Alzheimer's Disease: Evidence from the Dominantly Inherited Alzheimer's Network. *Annals of Neurology*; 79, 929-939; 2016. PMID: PMC4884146
64. **Zimmerman, M. E.**, Ezzati, A., Katz, M. J., Lipton, M. L., Brickman, A. M., Sliwinski, M. J., & Lipton, R. B. Perceived stress is differentially related to hippocampal subregion volumes among older adults. *PLOS ONE*; 11, 1-10; 2016. PMID: PMC4856349
65. Buschke, H., Mowrey, W. B., Ramratan, W. S., **Zimmerman, M. E.**, Loewenstein, D. A., Katz, M. J., & Lipton, R. B. Memory Binding Test distinguishes amnesic mild cognitive impairment and dementia from cognitively normal elderly. *Archives of Clinical Neuropsychology*; 32, 29-39; 2017.
66. Strauss, S. B., Kim, N., Branch, C. A., Kahn, M. E., Kim, M., Lipton, R. B., Provataris, J. M., Scholl, H. F., **Zimmerman, M. E.**, & Lipton, M. L. Bidirectional changes in anisotropy are associated with outcomes in mild traumatic brain injury. *American Journal of Neuroradiology*; 37, 1983-1991; 2016. PMID: PMC5148740
67. Ezzati, A., Katz, M. J., Zammit, A. R., Lipton, M. L., **Zimmerman, M. E.**, Sliwinski, M. J., & Lipton, R. B. Differential association of left and right hippocampal volumes with verbal episodic and spatial memory. *Neuropsychologia*; 93, 380-385; 2016. PMID: PMC5154822

68. Mowrey, W. B., Lipton, R. B., Katz, M. J., Ramratan, W. S., Loewenstein, D. A., **Zimmerman, M. E.**, & Buschke, H. Memory Binding Test predicts incident amnesic mild cognitive impairment. *Journal of Alzheimer's Disease*; 53, 1585-1595; 2017.
69. Zammit, A. R., Ezzati, A., **Zimmerman, M. E.**, Lipton, R. B., Lipton, M. L., & Katz, M. J. Roles of hippocampal subfields in verbal and visual episodic memory. *Behavioral Brain Research*; 317, 157-162; 2017.
70. Stewart, W. F., Kim, N., Ifrah, C., Lipton, R. B., Glattstein, T., **Zimmerman, M. E.**, Kim, M., & Lipton, M. L. Symptoms from repeated intentional and unintentional head impact in soccer players. *Neurology*; 88, 901-908; 2017. PMID: PMC5331870
71. Cha, J., Zea-Hernandez, J. A., Sanghun, S., Graw-Panzer, K., **Moran, E. E.**, Wagshul, M. E., Posner, J., **Zimmerman, M. E.**, & Arens, R. Impact of childhood obstructive sleep apnea syndrome on dentate gyrus. *Journal of Neuroscience*; 37, 4280-4288; 2017. PMID: PMC5413176
72. Jiang, J. M., Seng, E. K., **Zimmerman, M. E.**, Kim, M., & Lipton, R. B. Positively worded subscale score of the Perceived Stress Scale is associated with cognitive domain function. *Journal of Behavioral Brain Science*; 7, 311-324; 2017. PMID: PMC5777589
73. Jiang, J. M., Seng, E. K., **Zimmerman, M. E.**, Sliwinski, M. J., Kim, M., & Lipton, R. B. Evaluation of the reliability, validity, and predictive validity of the Perceived Stress Scale in older adults. *Journal of Alzheimer's Disease*; 59, 987-996; 2017. PMID: PMC5777162
74. **Moran, E. E.**, Wang, C., Katz, M. J., Ozelius, L., Schwartz, A., Pavlovic, J., Ortega, R. A., Lipton, R. B., **Zimmerman, M. E.**, & Saunders-Pullman, R. Cognitive and motor functioning in elderly glucocerebrosidase mutation carriers. *Neurobiology of Aging*; 58, 239.e1-239.e7; 2017. PMID: PMC5647652
75. **Levitch, C. F.**, **Zimmerman, M. E.**, Lubin, N., Kim, N., Lipton, R. B., Stewart, W. F., Kim, M. & Lipton, M. L. Recent and long-term soccer heading exposure is differentially associated with neuropsychological function in amateur players. *Journal of the International Neuropsychological Society*; 24, 147-155; 2018. PMID: PMC6554717
76. Zammit, A. R., Ezzati, A., Lipton, R. B., Zimmerman, M. E., Lipton, M. L., Sliwinski, M. J., & Katz, M. J. The association of visual memory with hippocampal volume. *PLOS ONE*; 12; 2017. PMID: PMC5678713
77. Mowrey, W. B., Lipton, R. B., Katz, M. J., Ramratan, W. S., Loewenstein, D. A., **Zimmerman, M. E.**, & Buschke, H. Memory Binding Test predicts incident dementia: Results from the Einstein Aging Study. *Journal of Alzheimer's Disease*; 62, 293-304; 2018. PMID: 29439336

78. Lee, S., **Zimmerman, M. E.**, Narkhede, A., Ebrahimi Nasrabady, S., Tosto, G., Meier, I. B., Benzinger, T. L. S., Marcus, D. S., Fagan, A. M., Fox, N. C., Cairns, N. J., Holtzman, D. M., Buckles, V., Ghetti, B., McDade, E., Martins, R. N., Saykin, A. J., Masters, C. L., Ringman, K. A., Forster, S., Schofield, P. R., Sperling, R. A., Johnson, K. A., Chhatwal, J. P., Salloway, S., Correia, S., Jack, C. R., Weiner, M., Bateman, R., Morris, J. C., Mayeux, R., & Brickman, A. M. for the Dominantly Inherited Alzheimer Network. White matter hyperintensities and the mediating role of cerebral amyloid angiopathy in dominantly-inherited Alzheimer's disease. *PLOS ONE*; 13; 2018. PMID: PMC5942789
79. Stewart, W. F., Kim, N., Ifrah, C., Lipton, R. B., Sliwinski, M., **Zimmerman, M. E.**, Kim, M., Ginsberg, M., & Lipton, M. L. Heading frequency is more strongly related to cognitive performance than unintentional head impacts in amateur soccer players. *Frontiers on Neurology*; 9, 1-10; 2018. PMID: PMC5928847
80. Hunter, L. E., Ifrah, C., **Zimmerman, M. E.**, Kim, M., Lipton, R. B., Stewart, W. F. & Lipton, M. L. Heading and unintentional head impacts have opposing associations with patient reported outcomes in amateur soccer players. *Research in Sports Medicine*; 26, 390-400; 2018. PMID: PMC6387588
81. Katz, M. J., Wang, C., Derby, C. A., Lipton, R. B., **Zimmerman, M. E.**, Sliwinski, M. J., & Rabin, L. A. Subjective cognitive decline prediction of mortality: Results from the Einstein Aging Study. *Journal of Alzheimer's Disease*; 66, 239-248; 2018. PMID: 30282356
82. Tsapanou A., Vlachos G. S., Cosentino S., Gu Y., Manly J. J., Brickman A. M., Schupf N., **Zimmerman M. E.**, Yannakoulia M., Kosmidis M. H., Dardiotis E., Hadjigeorgiou G., Sakka P., Stern Y., Scarmeas N. Sleep and subjective cognitive complaints in cognitively healthy older adults. Results from two cohorts. *Journal of Sleep Research*; 28, e12759; 2019. PMID: PMC6688963
83. Ezzati, A., Wang, C., Katz, M. J., Zammit, A. R., **Zimmerman, M. E.**, Derby, C., Pavlovich, J. M., Sliwinski, M. J., & Lipton, R. B. The temporal relationship between pain intensity and pain interference and incident dementia: Results from the Einstein Aging Study. *Current Alzheimer Research*; 16, 109-115; 2019. PMID: PMC6484854
84. \*\*Levitch, C. L., Ifrah, C., Kim, M., Stewart, W. F., Lipton, R. B., **Zimmerman, M. E.**, & Lipton, M. L. Personality and risk taking in sports: a focus on unintentional and intentional head impacts in amateur soccer players. *Clinical Journal of Sports Medicine*; 30, 484-488; 2020. PMID: PMC6309518
85. Ezzati, A., Katz, M. J., Derby, C. A., **Zimmerman, M. E.**, & Lipton, R. B. Depressive symptoms predict incident dementia in a community sample of older adults: Results from the Einstein Aging Study (EAS). *Journal of Geriatric Psychiatry and Neurology*; 2019. PMID: PMC7201340.

86. **Zimmerman, M. E.**, Kim, B. M., Hale, C., Brickman, A. M., & Shechter, A. Neuropsychological function response to nocturnal blue light blockage in insomnia: A randomized controlled study. *Journal of the International Neuropsychological Society*; 25, 668-677; 2019. PMID: PMC7045510
87. Ezzati, A., Katz, M. J., Zammit, A. R., Derby, C. A., **Zimmerman, M. E.**, & Lipton, R. B. Health-related quality of life, cognitive performance, and incident dementia in a community-based elderly cohort. *Alzheimer's Disease and Associated Disorders*; 33, 240-245; 2019. PMID: PMC6710122
88. \*\*Levitch, C. F., \*\*McConathey, E., \*\*Aghvinian, M., \*\*Himmelstein, M., Lipton, M. L., & **Zimmerman, M. E.** The impact of sleep on the relationship between soccer heading exposure and neuropsychological function in college-age soccer players. *Journal of the International Neuropsychological Society*; 26, 633-644; 2020. PMID: 32098640
89. Strauss, S. B., Fleysher, R., Ifrah, C., Hunter, L. E., Ye, K., Lipton, R. B., **Zimmerman, M. E.**, Kim, M., Stewart, W. F., & Lipton, M. L. Framing potential for adverse effects of subconcussive impacts in soccer in the context of athlete and non-athlete controls. *Brain Imaging and Behavior*; 15, 882-895; 2021. PMID: PMC7861653
90. Laing, K. K., Simoes, S. Baena-Caldas, G. P., Lao, P. J., Kothiya, M., Igwe, K. C., Chesebro, A. G., Houck, A. L., Pedraza, L., Hernandez, A. I., Li, J., **Zimmerman, M. E.**, Luchsinger, J. A., Barone, F. C., Moreno, H., & Brickman, A. M. Cerebrovascular disease promotes tau-pathology in Alzheimer's disease. *Brain Communication*; 2020. PMID: PMC7660042
91. Katz, M. J., Wang, C., Nester, C. O., Derby, C. A., **Zimmerman, M. E.**, Lipton, R. B., Sliwinski, M. J., & Rabin, L. A. T-MoCA: A valid phone screen for cognitive impairment in diverse community samples. *Alzheimer's & Dementia: Diagnosis, Assessment & Disease Monitoring*; 13, e12144; 2021. PMID: PMC7864219
92. \*\*Moran, E. E., Bressman, S. B., Ortega, R. A., Raymond, D., Nichols, W. C., Palmese, C. A., Elango, S., Swan, M., Shanker, V., Perera, I., Wang, C., **Zimmerman, M.**, & Saunders-Pullman, R. Cognitive functioning of glucocerebrosidase (GBA) non-manifesting carriers. *Frontiers in Neurology*; 2021. PMID: PMC7952874
93. \*\*Stiver, J., Staffaroni, A. M., Walters, S. M., You, M. Y., Casaletto, K. B., Erhoff, S. J., Possin, K. L., Lukic, S., La Joie, R., Rabinovici, G. D., **Zimmerman, M. E.**, Gorno-Tempini, M. L., & Kramer, J. H. The rapid naming test: Development and initial validation in typically aging adults. *The Clinical Neuropsychologist*; 1-12; 2021. PMID: PMC8464629
94. \*\*Stiver, J., \*\*Fusco-Gessick, B., \*\*Moran, E., \*\*Crook, C., & **Zimmerman, M. E.** Variable objective sleep quality is related to worse spatial learning and memory in young adults. *Sleep Medicine*; 84, 114-120; 2021. PMID: 34144450.

95. Lee, M. Sin, S., Lee, S., Park, H., Wagshul, M. E., **Zimmerman, M. E.**, & Arens, R. Altered cortical structure network in children with obstructive sleep apnea. *Sleep*; 2022. PMID: 35137220
96. Moni, F., Petersen, M. E., Zhang, F., Lao, P. J., **Zimmerman, M. E.**, Gu, Y., Gutierrez, J., Rizvi, B., Liang, K. K., Igwe, K. C., Sathishkumar, M., Keator, K., Andrews, H., Krinsky-McHale, S., Head, E., Lee, J. H., Lai, F., Yassa, M. A., Rosas, H. D., Silverman, W., Lott, I. T., Schupf, N., O'Bryant, S., & Brickman, A. M. Probing the proteome to explore potential mediators of increased Alzheimer's-related cerebrovascular disease in adults with Down syndrome. *Alzheimer's & Dementia*; 2022. PMID: 35212182
97. Lao, P. J., **Zimmerman, M. E.**, Hartley, S., Gutierrez, J., Keator, D., Igwe, K. C., Laing, K. K., Cotton-Samuel, D., Sathishumar, M., Moni, F., Andrews, H., Krinsky-McHale, S., Head, E., Lee, J. H., Lai, F., Yassa, M. A., Rosas, H. D., Silverman, W., Lott, I. T., Schupf, N., & Brickman, A. M. Sleep apnea, cerebrovascular disease, and amyloid in older adults with Down syndrome across the Alzheimer's continuum. *Sleep Advances*; 2022. PMCID: PMC9154738
98. Ye, K., Fleysheer, R., Lipton, R. B., **Zimmerman, M. E.**, Stewart, W. F., Sliwinski, M. J., Kim, M., & Lipton, M. L. Repetitive soccer heading adversely impacts short-term learning among adult women. *Journal of Science and Medicine in Sport*; In Press.
99. Lee, M. Sin, S., Lee, S., Wagshul, M., **Zimmerman, M. E.**, & Arens, R. Cortical thickness and hippocampal volume in children with obstructive sleep apnea. *Sleep*; In Press.
100. Charney, M., Ye, K., Fleysheer, R., DeMessie, B., Stewart, W. F., **Zimmerman, M. E.**, Kim, M., Lipton, R. B., & Lipton, M. L. Age of first exposure to soccer heading: Associations with cognitive, clinical, and imaging outcomes in the Einstein Soccer Study. *Frontiers in Neurology*; In Press.

#### **UNDERGRADUATE RESEARCH JOURNAL PUBLICATIONS**

\* Indicates undergraduate student author under my mentorship

\*\* Indicates graduate student author under my mentorship

1. \*McNeal, K., \*\*Moran, E., \*Palladino, A., \*Le, T., \*Masand, A., & **Zimmerman, M. E.** Sleep quality and performance on a problem solving task in young adults. *Undergraduate Psychology Review (SUNY Binghamton)*; 4 (1); Spring 2016.

#### **MANUSCRIPTS CURRENTLY UNDER REVIEW**

1. **Zimmerman, M. E.**, Benasi, G., Hale, C., Yeung, L., Cochran, J., Brickman, A. M., & St-Onge, M. The effect of restricted and habitual sleep on neuropsychological function in healthy adults. Manuscript currently under revision.
2. Lipton, M. L. Fleysheer, R., Ye, K., Lipton, R. B., **Zimmerman, M. E.**, Kim, M., Stewart, W. F. Brain effects of mild COVID-19 in healthy young adults. Manuscript currently under review.



3. Park, H., Lee, M., Sin, S., Lee, S., Wagshul, M., **Zimmerman, M. E.**, & Arens, R. The effect of adenotonsillectomy on the cortical thickness and hippocampal volume in children with obstructive sleep apnea. Manuscript currently under review.
4. Morales, C. D., Cotton-Samuel, D., Lao, P. J., Chang, J. F., Pyne, J. D., Alshikho, M. J., Lippert, R., Bista, K., Hale, C., Edwards, N. C., Igwe, K. C., Deters, K., **Zimmerman, M. E.**, & Brickman, A. M. Small vessel cerebrovascular disease is associated with cognition in prospective Alzheimer's clinical trial participants. Manuscript currently under review.
5. Aghvinian, M., Oleas, D., Breen, E., Slaughter, A., Zhu, D., Cham, H., Arentoft, A., **Zimmerman, M. E.**, Rivera Mindt, M. Culture, context, and cognition: a meta-analytic review examining the relationship between United States acculturation and neuropsychological functioning. Manuscript currently under review.
6. \*\*Watson, M. E., \*\*Dougher, C. C., \*\*Lin, T., & **Zimmerman, M. E.** Five-factor model personality traits and executive functions in college students. Manuscript currently under review.

#### **BOOKS, CHAPTERS IN BOOKS, AND REVIEW ARTICLES**

1. **Zimmerman, M. E.** & Aloia, M. S. A review of neuroimaging in obstructive sleep apnea. *Journal of Clinical Sleep Medicine*, 2, 461-471; 2006. PMID: 17557478.
2. **Zimmerman, M. E.** & Brickman, A. M. Neuropsychology of healthy aging. In R.H. Paul, N.C. Sactor, V. Valcour, & K.T. Toshima (Eds.), *HIV and the Brain: New Challenges in the Modern Era* (pp. 347-368). Totowa, NJ: Humana Press; 2009.
3. **Zimmerman, M. E.** Contributor. *Encyclopedia of clinical neuropsychology*, J. S. Kreutzer, J. DeLuca, B. Caplan (Eds.), New York, NY: Springer; 2010.
4. **Zimmerman, M. E.** & Aloia, M. S. Sleep-disordered breathing and cognition in older adults. *Current Neurology & Neuroscience Reports*, 12, 537-546; 2012. PMID: PMC3697017
5. Hulkower, M. B., Poliak, D. B., Rosenbaum, S. B., **Zimmerman, M. E.**, & Lipton, M. L. A Decade of DTI in traumatic brain injury: 10 years and 100 articles later. *American Journal of Neuroradiology*, 34, 2064-2074; 2013.
6. **Zimmerman, M. E.**, & Aloia, M. S. Role of positive pressure therapy on sleep-disordered breathing and cognition in the elderly. In S. Chokroverty & L. Ferini-Strambi (Eds.), *Sleep Disorders* (pp. 367-372). Oxford: Oxford University Press; 2017.
7. **Zimmerman, M. E.** Contributor. *Encyclopedia of clinical neuropsychology*, 2<sup>nd</sup> edition. J. S. Kreutzer, J. DeLuca, B. Caplan (Eds.), New York, NY: Springer; 2018.
8. \*\*Watson, M. E., \*\*Fusco-Gessick, B., \*\*McConathey, E., \*Wang, Z., **Zimmerman, M. E.**

Sleep, Arousal, and Fatigue. In C. Block & D. Johnson-Greene (Eds.), *Medical Neuropsychology: A Systems-Based Approach*. Guilford Press; In Review.

### ABSTRACTS/ ORAL AND POSTER PRESENTATIONS

\* Indicates undergraduate student author under my mentorship

\*\* Indicates graduate student author under my mentorship

1. Sax, K. W., **Zimmerman, M. E.**, DelBello, M. P., Hawkins, J. M., Keck, P. E., & Strakowski, S. M. Prefrontal cortex volume and attentional functioning in mania. Poster presented to the *Society of Biological Psychiatry* Annual Meeting, May, 1998. Abstract published in *Biological Psychiatry*, 43, 16S; 1998.
2. DelBello, M. P., Strakowski, S. M., **Zimmerman, M. E.**, Sax, K. W., & Hawkins, J. M. MRI analysis of the cerebellum in bipolar disorder. Poster presented at the *Society of Biological Psychiatry* Annual Meeting, May, 1998. Abstract published in *Biological Psychiatry*, 43, 16S; 1998.
3. Strakowski, S. M., DelBello, M. P., Sax, K. W., **Zimmerman, M. E.**, & Hawkins, J. M. MRI brain morphometry in bipolar disorder. Poster presented at the *American Psychiatric Association* Annual Meeting, June, 1998.
4. DelBello, M. P., Strakowski, S. M., Sax, K. W., **Zimmerman, M. E.**, & Hawkins, J. M. MRI analysis of the cerebellum in bipolar disorder. Research Colloquium for Junior Investigators at the *American Psychiatric Association* Annual Meeting, June, 1998.
5. DelBello, M. P., Soutullo, C. A., **Zimmerman, M. E.**, Sax, K. W., McElroy, S. L., & Strakowski, S. M. Head injury in sex offenders with and without bipolar disorder. Poster presented at the *American Neuropsychiatric Association* Annual Meeting, February, 1999. Abstract published in the *Journal of Neuropsychiatry and Clinical Neurosciences*, 11, 149; 1999.
6. Fleck, D. E., DelBello, M. P., **Zimmerman, M. E.**, Sax, K. W., & Strakowski, S. M. Cerebellar correlates of the stroop color-word test and continuous performance test in healthy volunteers. Poster presented at the *American Neuropsychiatric Association* Annual Meeting, February, 1999. Abstract published in the *Journal of Neuropsychiatry and Clinical Neurosciences*, 11, 153; 1999.
7. DelBello, M. P., **Zimmerman, M. E.**, Fleck, D. E., Sax, K. W., & Strakowski, S. M. Structural MRI comparison of schizophrenia and bipolar disorder. Poster presented at the *Society of Biological Psychiatry* Annual Meeting, May, 1999. Abstract published in *Biological Psychiatry*, 45, 129S; 1999.
8. DelBello, M. P., Soutullo, C., **Zimmerman, M.**, Ryan, P., Graman, S., McElroy, S., & Strakowski, S. MRI analysis of children at risk for bipolar disorder. Symposium presented at the *American Academy of Child and Adolescent Psychiatry* Annual Meeting,

October, 1999.

9. DelBello, M. P., McDonough-Ryan, P., Soutullo, C. A., Graman, S. M., **Zimmerman, M. E.**, Getz, G. E., & Strakowski, S. M. MRI analysis of children at risk for bipolar disorder. *Bipolar Disorder: From Preclinical to Clinical, Facing the New Millenium*. Phoenix, AZ, January, 2000.
10. DelBello, M. P., McDonough-Ryan, P., Graman, S. M., Soutullo, C. A., **Zimmerman, M.E.**, Rosenberg, H. L., & Strakowski, S. M. Cerebellar function in children at risk for bipolar disorder. Poster presented at the *American Psychiatric Association Annual Meeting*, May, 2000.
11. DelBello, M. P., Soutullo, C. A., Ryan, P., Graman, S. M., **Zimmerman, M. E.**, Getz, G. E., Lake, K. A., & Strakowski, S. M. MRI analysis of children at risk for bipolar disorder. Symposium presented at the *Society of Biological Psychiatry Annual Meeting*, May, 2000. Abstract published in *Biological Psychiatry*, 47, 13S; 2000.
12. DelBello, M. P., **Zimmerman, M. E.**, Getz, G. E., & Strakowski, S. M. Structural MRI analysis of adolescents with bipolar disorder. Poster presented at the *Society of Biological Psychiatry Annual Meeting*, May, 2001. Abstract published in *Biological Psychiatry*, 49, 20S; 2001.
13. Lopez-Larson, M. P., DelBello, M. P., **Zimmerman, M. E.**, & Strakowski, S. M. Prefrontal subregion abnormalities in patients with bipolar disorder. Symposium presented at the *American Psychiatric Association Annual Meeting*, May, 2001.
14. Wilder, K., Corey, K., Jak, A., Steed, M., Shear, P. K., **Zimmerman, M. E.**, Getz, G. E., & Strakowski, S. M. Subtle memory and executive functioning impairments in euthymic bipolar patients. Poster presented at the *American Psychological Association Annual Meeting*, August 2001. Abstract published in *Clinical Neuropsychologist*, 15, 282; 2001.
15. DelBello, M. P., **Zimmerman, M. E.**, Getz, G. E., & Strakowski, S. M. MRI analysis of structural neuroanatomic abnormalities in adolescents with bipolar disorder. Poster presented at the *American College of Neuropsychopharmacology Annual Meeting*, December, 2001.
16. **Zimmerman, M. E.**, Getz, G. E., Lopez-Larson, M. P., DelBello, M. P., Shear, P. K., & Strakowski, S. M. Neurocognitive correlates of prefrontal cortex subregion volumes in bipolar disorder. Poster presented at the *International Neuropsychological Society Annual Meeting*, February, 2002. Abstract published in the *Journal of the International Neuropsychological Society*, 8, 276; 2002.
17. Getz, G. E., Steed, M., Wilder-Willis, K., **Zimmerman, M. E.**, Bates Corey, K., Jak, A., Shear, P. K., & Strakowski, S. M. Nonverbal memory impairment in bipolar disorder. Poster presented at the *International Neuropsychological Society Annual Meeting*, February, 2002. Abstract published in the *Journal of the International Neuropsychological Society*, 8, 181; 2002.

18. Jak, A., Shear, P. K., **Zimmerman, M. E.**, Getz, G. E., DelBello, M. D., & Strakowski, S. M. Brain structural correlates of memory in bipolar disorder. Poster presented at the *International Neuropsychological Society Annual Meeting*, February, 2002. Abstract published in the *Journal of the International Neuropsychological Society*, 8, 277; 2002.
19. Fleck, D., Shear, P., **Zimmerman, M.**, Getz, G., Corey, K., Jak, A., Lebowitz, B., & Strakowski, S. Verbal memory deficits in bipolar disorder: Effects of clinical state and symptom severity. Poster presented at the *International Neuropsychological Society Annual Meeting*, February, 2003. Abstract published in the *Journal of the International Neuropsychological Society*, 9(2), 326; 2003.
20. Getz, G. E., Fleck, D. E., **Zimmerman, M. E.**, Schwiers, M., DelBello, M. P., & Strakowski, S. M. Reduced superior temporal gyrus volume in bipolar disorder. Poster presented at the *American Neuropsychiatric Association Annual Meeting*, February, 2003.
21. **Zimmerman, M. E.**, Maxwell, R. A., Winders-Barrett, S., Tran, G. Q., & Anthenelli, R. M. Sex differences in stress responsivity in stimulant dependent women and men and controls: a pilot study. Oral presentation at the *College on Problems of Drug Dependence Annual Meeting*, June, 2003.
22. **Zimmerman, M. E.**, Getz, G. E., DelBello, M. P., Shear, P. K., & Strakowski, S. M. Executive functioning correlates of anterior cingulate subregion volumes in bipolar disorder. Oral presentation at the *International Neuropsychological Society Annual Meeting*, February, 2004. Abstract published in the *Journal of the International Neuropsychological Society*, 10, Supplement S1,179; 2004.
23. Getz, G. E., Shear, P. K., Fleck, D. E., **Zimmerman, M. E.**, Kowatch, R., & Strakowski, S. M. Social functioning and facial affect recognition deficits in mood disorders. Poster presented at the *International Neuropsychological Society Annual Meeting*, February, 2004. Abstract published in the *Journal of the International Neuropsychological Society*, 10, Supplement S1,144; 2004.
24. **Zimmerman, M. E.**, & Aloia, M. S. Sleep apnea and subcortical hyperintensities in a cohort of older adults. Poster presented at the *International Neuropsychological Society Annual Meeting*, February, 2004. Abstract published in the *Journal of the International Neuropsychological Society*, 10, Supplement S1,188; 2004.
25. **Zimmerman, M. E.**, & Aloia, M. S. Gender differences in the relationship between cerebrovascular disease risk factors and leukoaraiosis in older adults. Poster presented at the *International Neuropsychological Society Annual Meeting*, February, 2004. Abstract published in the *Journal of the International Neuropsychological Society*, 10, Supplement S1,187; 2004.
26. **Zimmerman, M. E.**, Arnedt, J. T., Stanchina, M., Millman, R. P., & Aloia, M. S. Intermittent hypoxemia and learning and memory in sleep apnea. Poster presented at the

- International Neuropsychological Society Annual Meeting*, February, 2005. Abstract published in the *Journal of the International Neuropsychological Society*, 11, Supplement S1,60; 2005.
27. **Zimmerman, M. E.**, Brickman, A. M., Paul, R. H., Grieve, S. M., Tate, D. F., Cohen, R. A., & Gordon, E. Thalamic volume and neuropsychological functioning in healthy adults. Poster presented at the *International Neuropsychological Society Annual Meeting*, February, 2005. Abstract published in the *Journal of the International Neuropsychological Society*, 11, Supplement S1,116; 2005.
  28. **Zimmerman, M. E.**, Arnedt, J. T., Stanchina, M., Millman, R. P., & Aloia, M. S. Neuropsychological functioning in sleep apnea. Poster presented at the *International Neuropsychological Society Annual Meeting*, February, 2005. Abstract published in the *Journal of the International Neuropsychological Society*, 11, Supplement S1,61; 2005.
  29. Brickman, A. M., **Zimmerman, M. E.**, Paul, R. H., Grieve, S. M., Tate, D. F., Cohen, R. A., & Gordon, E. Age-associated change in frontal lobe white matter and executive functioning. Oral presentation at the *International Neuropsychological Society Annual Meeting*, February, 2005. Abstract published in the *Journal of the International Neuropsychological Society*, 11, Supplement S1,141; 2005.
  30. Aloia, M. S., Arnedt, J. T., Stepnowsky, C. J. Jr., **Zimmerman, M. E.**, Skrekas, J., Harris, S., & Borrelli, B. Psychological measures predict 6-month treatment adherence in obstructive sleep apnea (OSA). Oral presentation at the *Associated Professional Sleep Societies Annual Meeting*, June, 2005. Abstract published in *Sleep*, 28, Abstract Supplement, A171; 2005.
  31. Aloia, M. S., Arnedt, J. T., **Zimmerman, M. E.**, Skrekas, J., Harris, S., Smith, L. J., & Borrelli, B. Combined therapy to improve adherence to CPAP. Poster presented at the *Associated Professional Sleep Societies Annual Meeting*, June, 2005. Abstract published in *Sleep*, 28, Abstract Supplement, A192; 2005.
  32. Ruyak, P. S., Stanchina, M., Arnedt, J. T., **Zimmerman, M. E.**, Skrekas, J., Harris, S., Millman, R. P., & Aloia, M. S. The efficacy of C-Flex at improving treatment adherence in obstructive sleep apnea (OSA). Poster presented at the *Associated Professional Sleep Societies Annual Meeting*, June, 2005. Abstract published in *Sleep*, 28, Abstract Supplement, A170; 2005.
  33. Harris, S., Ruyak, P. S., Skrekas, J., **Zimmerman, M.**, Weaver, T., Arnedt, J. T., & Aloia, M. S. Variations in the functional outcomes of sleepiness questionnaire (FOSQ) in relation to long-term CPAP use. Poster presented at the *Associated Professional Sleep Societies Annual Meeting*, June, 2005. Abstract published in *Sleep*, 28, Abstract Supplement, A193; 2005.
  34. Skrekas, J., **Zimmerman, M. E.**, Harris, S., Ruyak, P. S., Arnedt, J. T., Stanchina, M., Millman, R. P., & Aloia, M. S. Medication use and changes with treatment in moderate

- to severe OSA. Poster presented at the *Associated Professional Sleep Societies Annual Meeting*, June, 2005. Abstract published in *Sleep*, 28, Abstract Supplement, A171; 2005
35. **Zimmerman, M. E.**, Arnedt, J. T., Skrekas, J., Harris, S., Smith, L. J., & Aloia, M. S. The relationship between time-on-CPAP and vigilance in sleep apnea at baseline, 3-months, and 6-months. Poster presented at the *Associated Professional Sleep Societies Annual Meeting*, June, 2005. Abstract published in *Sleep*, 28, Abstract Supplement, A170; 2005.
  36. Aloia, M. S., Sweet, L. H., **Zimmerman, M. E.**, Arnedt, J. T., Harris, S., & Skrekas, J. The effects of treatment for sleep apnea on brain activity during a working memory task. Poster presented at the *International Neuropsychological Society Annual Meeting*, February, 2006. Abstract published in *Journal of the International Neuropsychological Society*, 12, Supplement S1, 130; 2006.
  37. **Zimmerman, M. E.**, Arnedt, J. T., Stanchina, M., Millman, R. P., & Aloia, M. S. Normalization of memory performance with PAP in memory-impaired patients with obstructive sleep apnea. Poster presented at the *International Neuropsychological Society Annual Meeting*, February, 2006. Abstract published in *Journal of the International Neuropsychological Society*, 12, Supplement S1, 157; 2006.
  38. **Zimmerman, M. E.**, Brickman, A. M., Paul, R. H., Grieve, S. M., Tate, D. F., Gunstad, J., Cohen, R. A., Aloia, M. S., Williams, L. M., Clark, C. R., & Gordon, E. Region and age-specific relationships between frontal lobe gray matter volume and cognitive function across the healthy adult lifespan. Poster presented at the *International Neuropsychological Society Annual Meeting*, February, 2006. Abstract published in *Journal of the International Neuropsychological Society*, 12, Supplement S1, 189; 2006.
  39. Aloia, M.S., Goodwin, M., Velicer, W., Arnedt, J. T., **Zimmerman, M. E.**, Skrekas, J., & Harris, S. Individual difference in patterns of adherence to PAP in obstructive sleep apnea. Poster presented at the *Associated Professional Sleep Societies Annual Meeting*, June, 2006. Abstract published in *Sleep*, 29, Abstract Supplement, A590; 2006.
  40. Aloia, M. S., Sweet, L. H., **Zimmerman, M. E.**, & Harris, S. Effects of treatment for OSA on MR signal during a working memory task. Poster presented at the *Associated Professional Sleep Societies Annual Meeting*, June, 2006. Abstract published in *Sleep*, 29, Abstract Supplement, A584; 2006.
  41. **Zimmerman, M. E.**, Arnedt, J. T., Harris, S., Stanchina, M., Millman, R. P., & Aloia, M. S. Cognitive function and chronic intermittent nocturnal hypoxemia in obstructive sleep apnea. Poster presented at the *Associated Professional Sleep Societies Annual Meeting*, June, 2006. Abstract published in *Sleep*, 29, Abstract Supplement, A583; 2006.
  42. **Zimmerman, M. E.**, Arnedt., J. T., Harris, S., Stanchina, M., Millman, R. P., & Aloia, M. S.

- Moderators of cognitive dysfunction in obstructive sleep apnea: applying the cognitive reserve theory. Poster presented at the *Associated Professional Sleep Societies Annual Meeting*, June, 2006. Abstract published in *Sleep*, 29, Abstract Supplement, A580; 2006.
43. Felver-Gant, J., Bruce, A. S., **Zimmerman, M. E.**, Sweet, L., Millman, R. P., & Aloia, M. S. Working memory in obstructive sleep apnea: Construct validity and treatment effects. Poster presented at the *International Neuropsychological Society Annual Meeting*, February, 2007. Abstract published in *Journal of the International Neuropsychological Society*, 13, Supplement S1, 120; 2007.
  44. Duquin, J. A., **Zimmerman, M. E.**, Harris, S., Borrelli, B., & Aloia, M. S. The effect of smoking on obstructive sleep apnea and adherence to PAP. Poster presented at the *International Neuropsychological Society Annual Meeting*, February, 2007. Abstract published in *Journal of the International Neuropsychological Society*, 13, Supplement S1, 124; 2007.
  45. Holtzer, R. Goldin, Y., & **Zimmerman, M. E.** Comparison of robust versus conventional norms of neuropsychological tests in aging. Poster presented at the *International Neuropsychological Society Annual Meeting*, February, 2007. Abstract published in *Journal of the International Neuropsychological Society*, 13, Supplement S1, 4; 2007.
  46. Brickman, A. M., **Zimmerman, M. E.**, Paul, R. H., Buchsbaum, M. S., & Stern, Y. Regional white matter changes across the healthy adult lifespan and their neuropsychological consequences. Oral presentation at the *International Neuropsychological Society Annual Meeting*, February, 2007. Abstract published in *Journal of the International Neuropsychological Society*, 13, Supplement S1, 179; 2007.
  47. **Zimmerman, M. E.**, Pan, J. W., Hetherington, H. P., Katz, M., Derby, C. A., Hall, C., Buschke, H., & Lipton, R. B. Hippocampal metabolism, volume, and cognition in nondemented older adults. Poster presented at the Annual Meeting of the *American Academy of Neurology*, May, 2007. Abstract published in *Neurology*, 68, Supplement 1, A388; 2007.
  48. Sanders, A. E., **Zimmerman, M. E.**, Buschke, H., & Verghese, J. Maze and neighborhood landmark navigational skills in older adults with normal cognition and mild cognitive impairment. Poster presented at the Annual Meeting of the *American Academy of Neurology*, May, 2007. Abstract published in *Neurology*, 68, Supplement 1, A120-A121; 2007.
  49. **Zimmerman, M. E.**, Brickman, A. M., & Aloia, M. S. Neuropsychological function and cognitive reserve in obstructive sleep apnea. Poster presented at the *International Neuropsychological Society Annual Meeting*, February, 2008. Abstract published in *Journal of the International Neuropsychological Society*, 14, Supplement S1, 46; 2008.
  50. Walton, M., Gunning-Dixon, F. M., Cheng, J., Acuna, J., Klimstra, S., **Zimmerman, M. E.**, Brickman, A. M., Hoptman, M. J., & Alexopoulos, G. S. White matter hyperintensity

- burden predicts poor response to antidepressant treatment in depressed elders. Poster presented at the *American Association for Geriatric Psychiatry Annual Meeting*, March, 2008.
51. Hall, C., Derby, C., Verghese, J., **Zimmerman, M. E.**, Katz, M., Buschke, H., & Lipton, R. A comparison of cognitive reserve markers for predicting rates of memory decline in preclinical Alzheimer's Disease. Poster presented at the Annual Meeting of the *American Academy of Neurology*, May, 2008.
  52. Saunders-Pullman, R., Wang, C., **Zimmerman, M. E.**, Santoro, N., McConnell, D., Zeitlan, G., Basalely, D., Stanley, K., Katz, M., Lipton, R. B., & Derby, C. Endogenous sex hormones testosterone, dehydroepiandrosterone-sulfate, (DHEAS), estradiol and cognition: results from the Einstein Aging Study. Poster presented at the Annual Meeting of the *American Academy of Neurology*, May, 2008.
  53. Holtzer, R., Schendler, D., & **Zimmerman, M. E.** Sleep as a predictor of gait in the elderly. Poster presented at the Annual Meeting of the *American Geriatrics Society*, April, 2008.
  54. **Zimmerman, M. E.**, Lipton, R. B., Pan, J. W., Hetherington, H. P., & Verghese, J. MRI- and MRS-derived hippocampal correlates of quantitative gait dysfunction in older adults. Poster presented at the *International Conference on Alzheimer's Disease*, July, 2008. Abstract published in *Alzheimer's & Dementia*, 4, Supplement 2, T98 and T400; 2008.
  55. Sanders, A. E., Katz, M. J., Wang, C. Dickson, D., Verghese, J., **Zimmerman, M. E.**, & Derby, C. A. Cognitive trajectories in hippocampal sclerosis, Alzheimer's disease, and vascular dementia: A pathology series from the Einstein Aging Study (EAS) brain bank. Poster presented at the *International Conference on Alzheimer's Disease*, July, 2008. Abstract published in *Alzheimer's & Dementia*, 4, Supplement 2, T571; 2008.
  56. Lipton, R. B., Zwerling, J. L., **Zimmerman, M. E.**, Sanders, A. E., Verghese, J., & Dickson, J. Hippocampal sclerosis and TDP-43 immunoreactivity: A clinicopathological study. Poster presented at the *International Conference on Alzheimer's Disease*, July, 2008. Abstract published in *Alzheimer's & Dementia*, 4, Supplement 2, T524; 2008.
  57. Katz, M. J., Wang, C., **Zimmerman, M. E.**, Lipton, R. B., Sanders, A. E., Buschke, H., Verghese, J., & Derby, C. Cut-scores for dementia prediction vary with time to diagnosis: Clinical and research implications from the Einstein Aging Study (EAS). Poster presented at the *International Conference on Alzheimer's Disease*, July, 2008. Abstract published in *Alzheimer's & Dementia*, 4, Supplement 2, T563; 2008.
  58. Derby, C. A., Katz, M. J., **Zimmerman, M. E.**, Sanders, A. E., Verghese, J., & Lipton, R. B. Inflammatory markers are associated with cognitive domains other than memory in a non-demented elderly cohort: Results from the Einstein Aging Study (EAS). Poster presented at the *International Conference on Alzheimer's Disease*, July, 2008. Abstract published in *Alzheimer's & Dementia*, 4, Supplement 2, T688; 2008.



59. \*Ramratan, W., Rabin, L. A., Wang, C., Katz, M. J., **Zimmerman, M. E.**, Sliwinski, M., Buschke, H., & Lipton, R. B. Intraindividual variability in reaction time on a cued recall task in older adults with MCI and healthy controls. Poster presented at the *National Academy of Neuropsychology Annual Meeting*, October, 2008.
60. **Zimmerman, M. E.**, Ramratan, W., & Lipton, R. B. Sleep and neuropsychological functions in nondemented older adults. Poster presented at the *International Neuropsychological Society Annual Meeting*, February, 2009.
61. Gulko, E., **Zimmerman, M. E.**, Friedman, B. W., Kim, M., Shiften, K., Branch, C. A., & Lipton, M. L. Not so mild head injury: Diffusion tensor imaging implicates prefrontal axonal injury in executive function impairment following very mild traumatic brain injury. Poster presented at the *European Congress of Radiology Annual Meeting*, March, 2009.
62. **Zimmerman, M. E.**, Pan, J. W., Hetherington, H. P., Lipton, M. L., Baigi, K., & Lipton, R. B. Hippocampal correlates of pain in elderly adults: a pilot study. Poster presented at the *International Conference on Alzheimer's Disease*, July, 2009.
63. Lipton, M. L., Gulko, E., Shlionsky, A., Feldman, A. M., **Zimmerman, M. E.**, Friedman, B. W., Kim, M., Shifteh, K., Lipton, R. B., & Branch, C. A. Early prefrontal white matter anisotropy predicts subsequent executive dysfunction in mild traumatic brain injury. Poster presented at the *Society for Neuroscience Annual Meeting*, October, 2009.
64. Gulko, E., Lipton, M. L., Feldman, A., **Zimmerman, M. E.**, Friedman, B., Shifteh, K., & Branch, G. Dynamic changes in prefrontal anisotropy predict executive dysfunction 3 months following mild traumatic brain injury. Poster presented at the *Radiological Society of North America Annual Meeting*, December, 2009.
65. **Zimmerman, M. E.**, Lipton, R. B., Santoro, N., McConnell, D. S., Derby, C. A., Katz, M. J., Biagi, K., & Saunders-Pullman, R. Endogenous estradiol is associated with verbal memory in nondemented older adults. Poster presented at the *International Conference on Alzheimer's Disease*, July, 2010.
66. Derby, C. A., Lipton, M. L., **Zimmerman, M. E.**, & Lipton, R. B. Association of vascular risk factors with Diffusion Tensor Imaging (DTI) fractional anisotropy in nondemented older adults. Poster presented at the *International Conference on Alzheimer's Disease*, July, 2010.
67. Katz, M. J., Wang, C., **Zimmerman, M. E.**, Derby, C. A., Sanders, A. E., & Lipton, R. B. Mortality associated with amnesic mild cognitive impairment in a community based population: results from the Einstein Aging Study (EAS). Poster presented at the *International Conference on Alzheimer's Disease*, July, 2010.

68. Lipton, R. B., Sanders, A. E., Wang, C., Katz, M. J., Derby, C. A., & **Zimmerman, M. E.** Cholesteryl Ester Transfer Protein gene (CETP) genotype, pain, and risk of dementia. Poster presented at the *International Conference on Alzheimer's Disease*, July, 2010.
69. Brickman, A. M., Meier, I. B., Korgaonkar, M., Provenzano, F. A., Grieve, S., Williams, L., & **Zimmerman, M. E.** Testing the retrogenesis hypothesis of cognitive aging across the lifespan. Poster presented at the *International Neuropsychological Society Annual Meeting*, February, 2011.
70. **Zimmerman, M. E.**, Ackerman, N., Gulko, E., Nonga, D., Krausz, A., Stewart, W. F., Lipton, R. B., & Lipton, M. L. Soccer heading is associated with neuropsychological function in amateur players. Oral presentation at the *International Neuropsychological Society Annual Meeting*, February, 2011.
71. Hulkower, M. B., **Zimmerman, M. E.**, Ackerman, N., Lipton, R. B., & Lipton, M. L. Personalized analysis of Diffusion Tensor Imaging (DTI) differentially predicts cognitive performance in subacute mild traumatic brain injury (mTBI). Poster presented at the *American Academy of Neurology Annual Meeting*, April, 2011. Abstract published in *Neurology*, 76, Supplement 4, A313; 2011.
72. Gulko, E., Gardin, T., Branch, C. A., **Zimmerman, M. E.**, Lipton, R., Lipton, M. L. Initial prefrontal axial diffusivity predicts long-term executive function after mild traumatic brain injury. Oral presentation at the *American Society of Neuroradiology Annual Meeting*, June, 2011.
73. Lipton, R. B., Baigi, K., Katz, M. J., Wang, C., Derby, C. A., & **Zimmerman, M. E.** Pain interference and intensity as novel risk factors for cognitive decline and Alzheimer's disease: results from the Einstein Aging Study. Poster presented at the *International Conference on Alzheimer's Disease*, July, 2011.
74. Katz, M. J., Derby, C. A., Wang, C., **Zimmerman, M. E.**, Sliwinski, M., & Lipton, R. B. Personality and cognitive decline in older adults: results from the Einstein Aging Study. Poster presented at the *International Conference on Alzheimer's Disease*, July, 2011.
75. **Zimmerman, M. E.**, Katz, M. J., Bigal, M. E., & Lipton, R. B. Insomnia and cognitive function in older adults: results from the Einstein Aging Study. Poster presented at the *International Conference on Alzheimer's Disease*, July, 2011.
76. Hulkower, M., Lipton, M., **Zimmerman, M. E.**, Park, Y., Kim, N., Lipton, R., Branch, C., Basalely, A., Weinberger, J., & Gardin, T. Personalized assessment of white matter injury based on diffusion tensor imaging (DTI) predicts cognitive performance in subacute mild traumatic brain injury (mTBI). Presented at the *Radiological Society of North America Annual Meeting*, December, 2011.
77. Kim, N., **Zimmerman, M. E.**, Lipton, R., Stewart, W., Gulko, E., Lipton, M. L. & Branch, C.

- A. Making soccer safer for the brain: DTI defined exposure thresholds for white matter injury due to soccer heading. Presented at the *Radiological Society of North America Annual Meeting*, December, 2011.
78. Provenzano, F. A., Muraskin, J., Wasserman, B. T., Narkhede, A., **Zimmerman, M. E.**, & Brickman, A. M. White matter hyperintensities and amyloid imaging: Preliminary findings from ADNI. Presented at the *Society for Neuroscience Annual Meeting*, November, 2011.
79. Lipton, M. L., **Zimmerman, M. E.**, Kim, N., Gardin, T. E., Hulkower, M. B., Lipton, R. B., & Branch, C. A. Spatial variability of white matter pathology in mTBI demands a personalized approach to injury detection. Presented at the *Society for Neuroscience Annual Meeting*, November, 2011.
80. Guzman, V. A., Carmichael, O. T., Schwarz, C., **Zimmerman, M. E.**, & Brickman, A. M. White matter hyperintensities and amyloid are independently associated with entorhinal cortex volume in the Alzheimer's Disease Neuroimaging Initiative. Presented at the *International Neuropsychological Society Annual Meeting*, February, 2012.
81. \*Wantz, A. L., Ramratan, W. S., Lipton, R. B., & **Zimmerman, M. E.** Neuropsychological performance, actigraphy, and self-report of sleep among healthy older adults. Presented at the *International Neuropsychological Society Annual Meeting*, February, 2012.
82. \*Ramratan, W. S., Rabin, L. A., Wang, C., **Zimmerman, M. E.**, Katz, M. J., Lipton, R. B., & Buschke, H. Level of recall, retrieval speed, and variability on the cued-recall retrieval speed task in amnesic mild cognitive impairment. Presented at the *International Neuropsychological Society Annual Meeting*, February, 2012.
83. Rosenbaum, S. B., Kim, N., Gardin, T. M., **Zimmerman, M. E.**, Lipton, R. B., & Lipton, M. L. Acute diffusion tensor imaging (DTI) predicts attentional deficits at three months and one year post-mild traumatic brain injury (mTBI). Presented at the *Medical Society of the State of New York Annual Meeting*, April, 2012.
84. Rosenbaum, S. B., Gardin, T. M., Kim, N., **Zimmerman, M. E.**, Lipton, R. B., & Lipton, M. L. Acute diffusion tensor imaging predicts functional outcomes at one year post mild traumatic brain injury. Presented at the *American Society of Neuroradiology Annual Meeting*, April, 2012.
85. Gardin, T. M., Rosenbaum, S. B., Kim, N., Davies, P., **Zimmerman, M. E.**, Lipton, R. B., & Lipton, M. L. Personalized medicine approach to determine prognosis of mild traumatic brain injury: Combined assessment of diffusion tensor imaging and the Apolipoprotein E genotype at time of injury predicts long-term cognitive performance. Presented at the *American Society of Neuroradiology Annual Meeting*, April, 2012.
86. Kim, N., **Zimmerman, M. E.**, Lipton, R. B., Stewart, W., Gulko, E., Branch, C. A., & Lipton, M. L. Could heading be bad for your brain? Soccer players who head excessively

demonstrate diffusion tensor imaging abnormalities similar to traumatic brain injury, which are associated with cognitive impairment. Presented at the *American Society of Neuroradiology Annual Meeting*, April, 2012.

87. **Zimmerman, M. E.**, Katz, M. J., Wang, C., Burns, L. C., Berman, R. M., Derby, C. A., L'Italien, G., Budd, D., & Lipton, R. Comparison of “word” vs. “picture” version of the free and cued selective reminding test (FCSRT) in older adults. Presented at the *Alzheimer’s Association International Conference Annual Meeting*, July, 2012.
88. Derby, C. A., Burns, L. C., Wang, C., Katz, M. J., **Zimmerman, M. E.**, L'Italien, G., Guo, Z., Berman, R. M., & Lipton, R. B. Screening for predementia AD: Time dependent operating characteristics of episodic memory tests from a community based sample: Einstein Aging Study cohort. Presented at the *Alzheimer’s Association International Conference Annual Meeting*, July, 2012.
89. Meier, I. B., Grieve, S. M., Korgaonkar, M. S., **Zimmerman, M. E.**, & Brickman, A. M. Deciphering the cortical thickness signature: Biomarkers for Alzheimer’s disease or memory? Presented at the *Alzheimer’s Association International Conference Annual Meeting*, July, 2012.
90. Lipton, R. B., Wang, C., Katz, M. J., **Zimmerman, M. E.**, Derby, C. A., Verghese, J., Sanders, A., Ozelius, L., & Barzilai, N. Genetic variability in the cholesteryl ester transfer protein (CETP) gene may buffer the effect of APOE4 on incidence of amnesic mild cognitive impairment (aMCI): Results for the Einstein Aging Study (EAS). Presented at the *Alzheimer’s Association International Conference Annual Meeting*, July, 2012.
91. Brickman, A. M., Tosto, G., Carmichael, O. T., Schwarz, C., & **Zimmerman, M. E.** Severity of white matter hyperintensities predicts conversion to Alzheimer’s disease in Alzheimer’s Disease Neuroimaging Initiative. Presented at the *Alzheimer’s Association International Conference Annual Meeting*, July, 2012.
92. Rosenbaum, S. B., Kim, N., Gardin, T. M., **Zimmerman, M. E.**, Smith, J., Lipton, R. B., Branch, C. A., & Lipton, M. L. Abnormally high anisotropy predicts health related quality of life (HRQoL) and post-concussion symptoms (PCS) at one year post-mTBI. Presented at the *Radiological Society of North America Annual Meeting*, November, 2012.
93. Rosenbaum, S. B., Kim, N., Gardin, T. M., **Zimmerman, M. E.**, Smith, J., Lipton R. B., Branch, C. A., & Lipton, M. L. DTI predicts attention performance three months and one year after mild traumatic brain injury (mTBI). Presented at the *Radiological Society of North America Annual Meeting*, November, 2012.
94. Ezzati, A., **Zimmerman, M. E.**, Katz, M. J., & Lipton, R. B. The link between recent stress and hippocampal measures in healthy elderly adults. Presented at the *American Academy of Neurology Annual Meeting*, March, 2013.

95. Ezzati, A., Katz, M. J., **Zimmerman, M. E.**, & Lipton, R. B. Hippocampal correlates of depressive symptoms in nondemented elderly adults. Presented at the *American Academy of Neurology Annual Meeting*, March, 2013.
96. Jiang, J., Ezzati, A., Katz, M. J., **Zimmerman, M. E.**, Sliwinski, M. J., & Lipton, R. B. Validation of the Perceived Stress Scale in a Community Sample of Older Adults. Presented at the *Alzheimer's Association International Conference Annual Meeting*, July, 2013.
97. Derby, C. A., Ezzati, A., Katz, M. J., **Zimmerman, M. E.**, Lipton, R. B., Cabral, D., & Rundek, T. Transcranial Doppler cerebral blood flow velocity and cognitive function: Results from the Einstein Aging Study. Presented at the *Alzheimer's Association International Conference Annual Meeting*, July, 2013.
98. Mowrey, W., Grober, E., **Zimmerman, M. E.**, Katz, M. J., Hall, C. B., & Lipton, R. B. Known preclinical dementia influences normative samples as evidenced by a longitudinal study: Results from the Einstein Aging Study. Presented at the *Alzheimer's Association International Conference Annual Meeting*, July, 2013.
99. **Zimmerman, M. E.**, Brickman, A. M., Ezzati, A., Katz, M. J., Lipton, M. L., Sliwinski, M. J., & Lipton, R. B. Hippocampal subfields and stress in nondemented older adults: Preliminary findings. Presented at the *Alzheimer's Association International Conference Annual Meeting*, July, 2013.
100. Katz, M. J., Wang, C., Ezzati, A., Sliwinski, M. J., **Zimmerman, M. E.**, Derby, C. A., & Lipton, R. B. Stress and risk of amnesic mild cognitive impairment: Results from the Einstein Aging Study. Presented at the *Alzheimer's Association International Conference Annual Meeting*, July, 2013.
101. Ezzati, A., Katz, M. J., **Zimmerman, M. E.**, Sliwinski, M. J., & Lipton, R. B. Stress and associated risk factors in elderly adults: Results from the Einstein Aging Study. Presented at the *Alzheimer's Association International Conference Annual Meeting*, July, 2013.
102. Grober, E., Mowrey, W., Katz, M. J., **Zimmerman, M. E.**, Hall, C. B., & Lipton, R. B. Lessons for predicting incident dementia by memory testing. Presented at the *Alzheimer's Association International Conference Annual Meeting*, July, 2013.
103. Milman, S., Schulder-Katz, M., Deluty, J., **Zimmerman, M. E.**, Melamed, M. L., Crandall, J. P., Barzilai, N., & Atzmon, G. Vitamin D insufficiency is associated with cognitive impairment in individuals with longevity. Symposium presentation at the *Gerontological Society of America Annual Meeting*, November, 2013.
104. **Zimmerman, M. E.**, Brickman, A. M., Ezzati, A., Katz, M. J., Lipton, M. L., Sliwinski, M. J., & Lipton, R. B. Stress, neuroimaging, and cognitive aging. Symposium presentation at the *Gerontological Society of America Annual Meeting*, November, 2013.

105. Jiang, J., Katz, M., White, R., **Zimmerman, M.**, Sliwinski, M., Kim, M., & Lipton, R. Perceived stress and risk of dementia in older adults with amnesic mild cognitive impairment. Presented at the *Alzheimer's Association International Conference Annual Meeting*, July, 2014.
106. Rostanski, S., **Zimmerman, M. E.**, Schupf, N., Manly, J. J., Westwood, A. J., Mayeux, R., Brickman, A. M., & Gu, Y. Self-reported indicators of sleep apnea are associated with white matter hyperintensities. Presented at the *Alzheimer's Association International Conference Annual Meeting*, July, 2014.
107. Katz, M. J., Wang, C., Ezzati, A., Sliwinski, M. J., **Zimmerman, M. E.**, Derby, C. A., & Lipton, R. B. Perceived stress, personality, and risk of amnesic mild cognitive impairment (aMCI): Results from the Einstein Aging Study (EAS). Presented at the *Alzheimer's Association International Conference Annual Meeting*, July, 2014.
108. Zammit, A. R., Katz, M. J., Bitzer, M., Lai, J. Y., **Zimmerman, M. E.**, & Lipton, R. B. Poor renal function predicts MCI: Results from the Einstein Aging Study. Presented at the *Alzheimer's Association International Conference Annual Meeting*, July, 2014.
109. Lipton, R. B., Wang, C., Katz, M., Derby, C., & **Zimmerman, M. E.** Pain intensity and pain interference are associated with transitions from cognitive normality, amnesic mild cognitive impairment (aMCI) and dementia: Results from the Einstein Aging Study (EAS). Presented at the *Alzheimer's Association International Conference Annual Meeting*, July, 2014.
110. Zammit, A. R., Katz, M. J., Bitzer, M., Lai, J. Y., **Zimmerman, M. E.**, & Lipton, R. B. Poor Renal Function predictive of Frontal Executive Dysfunction in an Elderly Community-Dwelling Sample. Presented at the *Gerontological Society of America Annual Meeting*, November, 2014.
111. Mu, W., McClelland A., Kim, N., Fleysher R., **Zimmerman, M.**, Catenaccio, E., Wagshul, M., & Lipton, M. Severity of Blast Exposure Predicts White Matter Injury and Functional Outcomes in Combat Veterans. Presented at the *American Society of Neuroradiology Annual Meeting*, April, 2015.
112. Catenaccio, E., Mu, W., Kim, N., **Zimmerman, M.**, Fleysher, R., Wagshul, M., Glattstein, T., Zughaf, M., Stewart, W., Lipton, R., & Lipton, M. Gender differences in exposure to and outcomes of mild traumatic brain injury in amateur soccer players. Presented at the *National Neurotrauma Society Annual Meeting*, June, 2015.
113. Jiang, J. M., Sliwinski, M. J., White, R., **Zimmerman, M. E.**, Kim, M., & Lipton, R. B. Coping and distress and risk of amnesic mild cognitive impairment in older adults. Presented at the *Alzheimer's Association International Conference Annual Meeting*, July, 2015.

114. Katz, M. J., Derby, C. A., Wang, C., Ezzati, A., Sliwinski, M. J., **Zimmerman, M. E.**, Zwerling, J., & Lipton, R. B. Perceived stress, APOE status, and risk of amnesic mild cognitive impairment (aMCI): Results from the Einstein Aging Study. Presented at the *Alzheimer's Association International Conference Annual Meeting*, July, 2015.
115. Ezzati, A., Katz, M., Sliwinski, M. J., Brickman, A. M., **Zimmerman, M. E.**, Lipton, M. L., & Lipton, R. B. Correlates of memory function in older adults: The importance of white matter hyperintensities and hippocampal volume. Presented at the *Alzheimer's Association International Conference Annual Meeting*, July, 2015.
116. Mowry, W., Grober, E., **Zimmerman, M. E.**, Katz, M. J., Hall, C. B., Sliwinski, M. J., & Lipton, R. B. Estimating episodic memory within-subject decline among nondemented older adults: Results from the Einstein Aging Study (EAS). Presented at the *Alzheimer's Association International Conference Annual Meeting*, July, 2015.
117. **Zimmerman, M. E.**, Brickman, A. M., Ezzati, A., Katz, M. J., Sliwinski, M. J., Lipton, M. L., & Lipton, R. B. Stress and white matter hyperintensities in nondemented older adults. Presented at the *Alzheimer's Association International Conference Annual Meeting*, July, 2015.
118. \*\*Viqar, F., Lee, S., **Zimmerman, M. E.**, Narkhede, A., Tosto, G., Benzinger, T. L. S., Marcus, D. S., Bateman, R., Morris, J. C., Mayeux, R., Brickman, A. M. & Dominantly Inherited Alzheimer Network. White matter hyperintensities are a core feature of Alzheimer's Disease: Evidence from the Dominantly Inherited Alzheimer's Network. Presented at the *Alzheimer's Association International Conference Annual Meeting*, July, 2015.
119. Eslami, V., Janowski, P. B., Katz, M. J., Zwerling, J., **Zimmerman, M. E.**, Pavlovic, J., Lipton, R. B. Cardiovascular and cognitive-mediated effects of homocysteine on pain interference in the elderly: Results from the Einstein Aging Study. Presented at the annual meeting of the *American Neurological Association*, September, 2015.
120. Catenaccio, E., Fleysher, R., Kim, N., Mu, W., Hunter, L., **Zimmerman, M.**, Wagshul, M., Glattstein, T., Zughaft, M., Stewart, W., Lipton, R., & Lipton, M. Gender differences in white matter anisotropy associated with different responses to repetitive mild traumatic brain injury in amateur adult soccer players. Presented at the *Radiological Society of North America Annual Meeting*, November, 2015.
121. Catenaccio, E., Fleysher, R., Kim, N., Hunter, L., Mu, W., Zughaft, M., Glattstein, T., **Zimmerman, M.**, Wagshul, M., Stewart, W., Lipton, R., & Lipton, M. Diffusion tensor MRI reveals gender-based risk for traumatic brain injury in soccer players. Presented at the *Society for Neuroscience Annual Meeting*, November, 2015.
122. Farris, N., Branch, C. A., **Zimmerman, M. E.**, Suri, A., & Billett, H. H. Lack of association

- of CNS lesion number with cognitive performance and cerebral blood flow in sickle cell disease. Presented at the *American Society of Hematology Annual Meeting*, December, 2015.
123. \*\*Levitch, C. F., **Zimmerman, M. E.**, Zughaft, M., Glattstein, T., Kim, N., Lipton, R. B., Stewart, W. F., Sliwinski, M. J., & Lipton, M. L. Soccer heading during games is associated with neuropsychological function in amateur players. Presented at the *International Neuropsychological Society Annual Meeting*, February, 2016.
  124. Ezzati, A., Brickman, A. M., **Zimmerman, M. E.**, Derby, C. A., Katz, M. J., Lipton, M. L., Lipton, R. B., & Verghese, J. Relationship of white matter hyperintensity and cortical volume with gait velocity in older adults. Presented at the *American Academy of Neurology Annual Meeting*, April, 2016.
  125. \*Palladino, A., \*McNeal, K., \*\*Moran, E., \*Masand, A., \*Le, T., & **Zimmerman, M. E.** The effect of blue light on sleep disorders. Presented at the *Ninth Annual Fordham University Undergraduate Research Symposium*, April, 2016.
  126. \*McNeal, K., \*\*Moran, E., \*Palladino, A., \*Le, T., \*Masand, A., & **Zimmerman, M. E.** Sleep quality and performance on a problem solving task in young adults. Presented at the *Ninth Annual Fordham University Undergraduate Research Symposium*, April, 2016.
  127. Zea-Hernandez, J. A., \*\*Moran, E. E., Sin, S., Graw-Panzer, K., **Zimmerman, M. E.**, & Arens, R. Neuropsychological dysfunction and relationship with nocturnal respiratory events in adolescents with OSA and controls: A pilot study. Presented at the joint *American Academy of Sleep Medicine and the Sleep Research Society (SLEEP) Annual Meeting*, June, 2016.
  128. \*\*Moran, E. E., Katz, M. J., Ozelius, L., Ortega, R., Schwartz, A., Lipton, R. B., **Zimmerman, M. E.**, Saunders-Pullman, R. The relationship between mutations in the glucocerebrosidase 1 (GBA1) gene and cognition in non-manifesting carriers. Presented at the *American Neurological Association Annual Meeting*, October, 2016.
  129. \*Le, T., \*\*Moran, E. E., \*McNeal, K., \*Masand, A., Brickman, A. M., & **Zimmerman, M. E.** Executive function is associated with sleep disruptions in young adults with depression. Presented at the *International Neuropsychological Society Annual Meeting*, February, 2017.
  130. \*\*Moran, E. E., \*McNeal, K., \*Le, T., \*Masand, A., Brickman, A. M., & **Zimmerman, M. E.** Highly variable blue light exposure is related to sleep and cognition in young adults. Presented at the *International Neuropsychological Society Annual Meeting*, February, 2017.
  131. \*\*Levitch, C. F., **Zimmerman, M. E.**, Wakschlag, N., Kim, N., Lipton, R. B., Stewart, W.



- F., Sliwinski, M. J., & Lipton, M. L. Acute and chronic soccer heading exposure is differentially associated with cognitive impairment in adult amateur players. Presented at the *International Neuropsychological Society Annual Meeting*, February, 2017.
132. \*Masand, A., \*\*Moran, E., \*Le, T., \*\*Crook, C., \*\*Weathers, J., \*Roche, B., & **Zimmerman, M. E.** The relationship between physical activity, anxiety, and depression in young adults. Presented at the *Tenth Annual Fordham University Undergraduate Research Symposium*, April, 2017.
132. \*Le, T., \*\*Moran, E., \*\*Crook, C., Masand, A., \*Roche, B., \*\*Weathers, J., Brickman, A. M. & **Zimmerman, M. E.** Seasonal variation is associated with executive function in young adults with elevated depression symptoms. Presented at the *Tenth Annual Fordham University Undergraduate Research Symposium*, April, 2017.
133. \*Roche, B., \*\*Moran, E., \*Le, T., \*Masand, A., \*\*Crook, C., \*\*Weathers, J., & **Zimmerman, M. E.** Poor sleep quality is not associated with negatively valenced autobiographical memories in young adults. Presented at the *Tenth Annual Fordham University Undergraduate Research Symposium*, April, 2017.
134. **Zimmerman, M. E.**, Katz, M. J., Ezzati, A., Lipton, M. L., Brickman, A. M., & Lipton, R. B. White matter hyperintensities modify the relationship between hippocampal volume and verbal memory in older adults without dementia. Presented at the *Alzheimer's Association International Conference Annual Meeting*, July, 2017.
135. Katz, M. J., Wang, C., Sliwinski, M. J., **Zimmerman, M. E.**, Derby, C. A., & Lipton, R. B. Effects of Apolipoprotein E e2 allele on memory decline and incidence and transition to Alzheimer's disease: Results from the Einstein Aging Study. Presented at the *Alzheimer's Association International Conference Annual Meeting*, July, 2017.
136. \*\*Moran, E. E., \*Le, T., \*\*Crook, C., \*\*Weathers, J., \*Masand, A., \*Roche, B., & **Zimmerman, M. E.** Variability in sleep efficiency is related to subjective executive functioning in young adults. Presented at the *American Psychological Association Annual Meeting*, August, 2017.
137. \*\*Crook, C. \*\*Moran, E., \*\*Weathers, J., \*Toto, D., & **Zimmerman, M. E.** Sleep and language functioning in young adulthood. Presented at the *International Neuropsychological Society Annual Meeting*, February, 2018.
138. \*\*Moran, E., Ortega, R., Palmese, C., Raymond, D., Perera, I., Meijer, I., Neimand, L., Peters, K., Swan, M., Sachdev, R., Ozelius, L., Bressman, S., **Zimmerman, M. E.**, & Saunders-Pullman, R. Cognitive and motor functioning in heterozygous non-manifesting Glucocerebrosidase (GBA) carriers. Oral paper presentation at the *International Neuropsychological Society Annual Meeting*, February, 2018.
139. **Zimmerman, M. E.**, Kim, B. M., Brickman, A. M., Schechter, A. Neuropsychological function and nocturnal blue light exposure in insomnia: a pilot randomized controlled

- study. Oral paper presentation at the *International Neuropsychological Society* Annual Meeting, February, 2018.
140. Aggarwal, B., Brickman, A. M., Liao, M., & **Zimmerman, M. E.** Poor sleep patterns are associated with worse cognition in diverse younger and older women. Presented at the *American Heart Association Epidemiology and Prevention* Annual Meeting, March, 2018.
  141. Ramratan, W., Wang, C., **Zimmerman, M. E.**, Katz, M. J., Rabin, L. A., Lipton, R. B., & Buschke, H. Accuracy and speed of performance measures can better predict cognitive decline when compared to standard tests: results from the Einstein Aging Study. Presented at the *Alzheimer's Association International Conference* Annual Meeting, July, 2018.
  142. Ramratan, W., Wang, C., **Zimmerman, M. E.**, Katz, M. J., Rabin, L. A., Lipton, R. B., & Buschke, H. Speed of performance can predict cognitive decline prior to diagnosis: results from the Einstein Aging Study. Presented at the *Alzheimer's Association International Conference* Annual Meeting, July, 2018.
  143. Ezzati, A., Katz, M. J., Derby, C. A., **Zimmerman, M. E.**, & Lipton, R. B. Mental health and role limitations due to emotional and physical function from SF-36 health survey predict incident dementia in older adults. Presented at the *Alzheimer's Association International Conference* Annual Meeting, July, 2018.
  144. Ezzati, A., Katz, M. J., Derby, C. A., **Zimmerman, M. E.**, & Lipton, R. B. Depressive symptoms predict incident dementia in a community sample of older adults: Results from the Einstein Aging Study. Presented at the *Alzheimer's Association International Conference* Annual Meeting, July, 2018.
  145. Hyun, J., Sliwinski, M. J., Katz, M. J., **Zimmerman, M. E.**, Derby, C. A., & Lipton, R. B. The cognitive reserve paradox: Cognitive engagement in midlife predicts more rapid cognitive decline in late life. Presented at the *Gerontological Society of America* Annual Meeting, November, 2018.
  146. **Zimmerman, M. E.**, \*\*Moran, E., \*\*Crook, C., \*\*Stiver, J., \*\*Weathers, J., \*\*Phili, A., \*\*Zimmerman, R., & \*Toto, D. Gender differences in relationships between neuropsychological function and sleep variability. Presented at the *International Neuropsychological Society* Annual Meeting, February, 2019.
  147. \*\*Phili, A., \*\*Moran, E., \*\*Crook, C., \*\*Stiver, J., \*\*Weathers, J., \*\*Zimmerman, R., \*Toto, D., & **Zimmerman, M.E.** Preserved Neuropsychological test performance in young adults with elevated depression and anxiety symptoms. Presented at the *International Neuropsychological Society* Annual Meeting, February, 2019.
  148. \*\*Stiver, J., \*\*Moran, E., \*\*Crook, C., \*\*Weathers, J., \*\*Phili, A., \*\*Zimmerman, R.,

- \*Toto, D., & **Zimmerman, M. E.** Variable sleep quality predicts poorer spatial learning and memory. Presented at the *International Neuropsychological Society Annual Meeting*, February, 2019.
149. \*\*Fusco-Gessick, B., \*\*Stiver, J., \*\*Moran, E., \*\*Crook, C., \*\*Phili, A., \*\*Zimmerman, R., \*Toto, D., & **Zimmerman, M. E.** Poor sleep quality differentially impacts phonemic versus semantic fluency. Presented at the *Eastern Psychological Association Annual Meeting*, February, 2019.
150. \*Shyer, M. & **Zimmerman, M. E.** Right temporal lobe degeneration: Cognitive and 18F AV-1451 imaging phenotypes. Presented at the Fordham College at Rose Hill 12<sup>th</sup> Annual *Undergraduate Research Symposium*, April, 2019.
151. \*Toto, D. & **Zimmerman, M. E.** Sleep quality and working memory in college students. Presented at the Fordham College at Rose Hill 12<sup>th</sup> Annual *Undergraduate Research Symposium*, April, 2019.
152. Fleysher, R., Fleysher, L., Suri, A., **Zimmerman, M. E.**, Jenkinson, M., Branch, C. A., & Lipton, M. L. Artificial observer and cost function for image registration, MARLINA: Mean Absolute Regional LINEar correlation Algorithm. Presented at the annual meeting of the *International Society for Magnetic Resonance in Medicine*, May, 2019.
153. \*\*Levitch, C. F., \*\*McConathey, E., \*\*Aghvinian, M., \*\*Himmelstein, M., Lipton, M. L., & **Zimmerman, M. E.** The impact of sleep on the relationship between soccer heading exposure and neuropsychological function in college-age soccer players. Presented at the *International Neuropsychological Society Annual Meeting*, February, 2020.
154. \*\*Stiver, J., \*\*McConathey, E., \*\*Fusco-Gessick, B., Brickman, A. M., & **Zimmerman, M. E.** Napping predicts verbal episodic memory consolidation over a two-week delay among short sleepers. Presented at the *International Neuropsychological Society Annual Meeting*, February, 2020.
155. \*\*Fusco-Gessick, B., \*\*Stiver, J., \*\*McConathey, E., \*\*Moran, E., & **Zimmerman, M. E.** Sleep duration but not sleep variability predicts performance on cognitive control tasks. Presented at the *International Neuropsychological Society Annual Meeting*, February, 2020.
156. \*\*McConathey, E., \*\*Levitch, C., \*\*Aghvinian, M., & **Zimmerman, M. E.** Subjective sleep quality and gender related to sustained attention in college soccer players. Presented at the *International Neuropsychological Society Annual Meeting*, February, 2020.
157. \*\*Weathers, J., \*\*Moran, E., \*\*Stiver, J., & **Zimmerman, M. E.** Sleep misperception, anxiety, and sleep disturbance. Presented at the annual meeting of the *American Academy of Sleep Medicine and the Sleep Research Society*, June, 2020.

158. \*\*Gomes, D., **Zimmerman, M. E.**, Basile, R. & Russel, K. Reporting patterns of subjective and objective neuropsychological symptoms in adolescents with sports-related concussions. Presented at the *International Neuropsychological Society Annual Meeting*, February, 2021.
159. \*\*Fusco-Gessick, B., \*\*Stiver, J., \*\*McConathey, E., \*\*Watson, M., & **Zimmerman, M. E.** Night-to-night variability in sleep quality and quantity does not impact executive functioning in healthy young adults. Presented at the *International Neuropsychological Society Annual Meeting*, February, 2021.
160. \*\*McConathey, E., \*\*Levitch, C., Lipton, M. L., & **Zimmerman, M. E.** Short-term heading exposure impacts processing speed in college soccer players. Presented at the *International Neuropsychological Society Annual Meeting*, February, 2021.
161. \*Farber, K., \*\*Levitch, C. F., \*\*McConathey, E., **Zimmerman, M. E.** The relationship between heading and depression and anxiety symptoms in college soccer players. Presented at the *International Neuropsychological Society Annual Meeting*, February, 2021.
162. \*\*Wang, Z., \*\*Fusco-Gessick, B., \*\*McConathey, E., \*\*Watson, M. & **Zimmerman, M. E.** Differential effects of sleep quality and sleep quantity on excessive daytime sleepiness. Presented at the *Eastern Psychological Association Annual Meeting*, March, 2021.
163. \*\*Wang, Z., \*\*Fusco-Gessick, B., \*\*McConathey, E., \*\*Watson, M., & **Zimmerman, M. E.** The association between depressive symptoms and executive functioning in young adults. Presented at the *American Academy of Clinical Neuropsychology Annual Meeting*, June, 2021.
164. **Zimmerman, M. E.**, Hale, C., Yeung, L., Cochran, J., Brickman, A. M., & St-Onge, M. Sleep restriction affects cognition in healthy adults: Preliminary findings. Presented at the *Associated Professional Sleep Societies* (joint meeting of the American Academy of Sleep Medicine and the Sleep Research Society) Annual Meeting, June, 2021.
165. Lao, P., **Zimmerman, M. E.**, Gutierrez, J., Keator, D., Igwe, K., Laing, K., Cotton-Samuel, D., Sathishkumar, M., Moni F., Andrews, H., Krinsky-McHale, S., Head, E., Lee, J. H., Lai, F., Yassa, M. A., Rosas, H. D., Silverman, W., Lott, I. T., Schupt, N., & Brickman, A. M. Sleep apnea may be a modifyable target in the development of cerebrovascular disease and cortical amyloid in older adults with Down Syndrome. Presented at the *Trisomy 21 Research Society (T21RS) Annual Meeting*, June, 2021.
166. \*\*Fusco-Gessick, B., \*\*McConathey, E., \*\*Stiver, J., \*\*Watson, M., \*\*Wang, Z., Brickman, A. M., & **Zimmerman, M. E.** Is personality associated with verbal and visual memory in healthy young adults? Presented at the *International Neuropsychological Society Annual Meeting*, February, 2022.

167. \*\*Wang, Z., \*\*Watson, M. E., \*\*McConathey, E., \*\*Fusco-Gessick, B., Moran, E. E., & **Zimmerman, M. E.** Subdimensions of mood symptoms and cognitive performance in healthy young adults. Presented at the *International Neuropsychological Society Annual Meeting*, February, 2022.
168. \*\*McConathey, E., Levitch, C., & **Zimmerman, M. E.** Athletic status predicts neuropsychological performance in college students. Presented at the *International Neuropsychological Society Annual Meeting*, February, 2022.
169. \*\*Watson, M. E., \*\*Fusco-Gessick, B., \*\*McConathey, E., \*\*Wang, Z., Moran, E. E., & **Zimmerman, M. E.** Personality traits as a predictor of executive functioning task performance in healthy young adults. Presented at the *International Neuropsychological Society Annual Meeting*, February, 2022.
170. **Zimmerman, M. E.**, Hale, C., Yeung, L., Cochran, J., Brickman, A. M., & St-Onge M-P. The effect of restricted and habitual sleep on cognition in healthy adults. Presented at the *International Neuropsychological Society Annual Meeting*, February, 2022.
171. Morales, C. D., Cotton-Samuel, D., Igwe, K., Lao, P. J., Chang, J., Sedaghat, A., Aishikho, M. J., **Zimmerman, M. E.**, & Brickman, A. M. Regional white matter hyperintensities are associated with cognition in prospective Alzheimer's clinical trial participants. Presented at the *International Neuropsychological Society Annual Meeting*, February, 2023.
172. Cummings, K., Morales, C., Cotton-Samuels, D., Lao, P. J., Deters, K., **Zimmerman, M. E.**, & Brickman, A. M. Regional amyloid and memory in amyloid positive and negative older adults. Presented at the *International Neuropsychological Society Annual Meeting*, February, 2023.
173. \*\*Lin, T., Moran, E., & **Zimmerman, M. E.** Symptoms of RBD and cognitive performance in healthy young adults. Presented at the *International Neuropsychological Society Annual Meeting*, February, 2023.
174. \*\*McConathey, E., Levitch, C., Moran, E., & **Zimmerman, M. E.** Athletic status predicts neurocognitive dispersion in college students. Presented at the *International Neuropsychological Society Annual Meeting*, February, 2023.
175. Park, H., Lee, M., Sin, S., Lee, S., Wagshul, M., **Zimmerman, M.E.**, & Arens, R. The effect of adenotonsillectomy on cortical thickness and hippocampal volume in obese adolescents with Obstructive Sleep Apnea. Presented at the *American Thoracic Society International Conference*, May, 2023.
176. Charney, M. F., Ye, K., Fleysher, R., Hunter, L., Garrel, S., Demessie, B., Song, J., **Zimmerman, M. E.**, Stewart, W. F., Kim, M., Lipton, R., & Lipton, M. L. Soccer heading over 2 years is associated with change in frontal white matter microstructure that varies by exposure magnitude. Presented as a data blitz presentation at the Neurotrauma Annual Meeting, June, 2023.

177. Charney, M. F., Ye, K., Fleysheer, R., Hunter, L., Garrel, Sh., Demessie, B., Song, J., **Zimmerman, M. E.**, Stewart, W. F., Kim, M., Lipton., & Lipton, M. L. Soccer heading over 2 years is associated with change in frontal white matter microstructure that varies by exposure magnitude. Presented at the Radiological Society of North America Annual Meeting, November, 2023.
178. \*\*Lin, T., \*\*Dougher, C. C., \*\*Watson, M. E., & **Zimmerman, M. E.** Sleep disordered breathing, cognition, and body mass index in young adults. Accepted for presentation at the *International Neuropsychological Society* Annual Meeting, February, 2024.
179. \*\*Stiver, J., **Zimmerman, M. E.**, Cham, H., Nosheny, R. L., Weiner, M. W., Maruff, P., Stricker, N. H., & Rivera Mindt, M. Robust demographically adjusted normative data for the self-administered cogstate brief battery. Accepted for presentation at the *International Neuropsychological Society* Annual Meeting, February, 2024.
180. \*\*Watson, M. E., \*\*Dougher, C. C., \*\*Lin, T., & **Zimmerman, M. E.** Does objectively measured sleep affect cognition in healthy young adults? Accepted for presentation at the *International Neuropsychological Society* Annual Meeting, February, 2024.
181. \*\*Dougher, C. C., \*\*Watson, M. E., \*\*Lin, T., & **Zimmerman, M. E.** Sleep wake chronotype, congruency of testing time, and cognitive performance. Accepted for presentation at the *International Neuropsychological Society* Annual Meeting, February, 2024.

## TEACHING EXPERIENCE

### Fordham University, Department of Psychology

#### Undergraduate Courses

*Cognition Laboratory* (PSYC 2501; Fall 2014, Spring 2015, Fall 2015, Spring 2016, Fall 2016, Spring 2017, Spring 2018, Spring 2019, Spring 2021, Spring 2022)

*Abnormal Psychology* (PSYC 2900; Fall 2014, Spring 2015, Fall 2015, Fall 2016)

*Memory Laboratory* (PSYC 2401; Spring 2022 (partial semester))

*Community Mental Health* (PSYC 4850; Fall 2022 (partial semester))

#### Graduate Courses

*Cognition and Affect* (PSYC 6370; Spring 2016, Spring 2017, Spring 2018, Spring 2019, Spring 2020, Spring 2021, Spring 2022, Spring 2023)

*Cognitive Assessment with Lab* (PSYC 6106; Fall 2017, Fall 2018, Fall 2019, Fall 2020, Fall 2021; Fall 2022; Fall 2023)

*Neuropsychological Assessment with Lab* (PSYC 6253; Summer 2016, Summer 2018, Summer 2020, Summer 2022)

*Clinical Supervision* (PSYC 8290; Fall 2016, Spring 2017; Fall 2017, Spring 2018, Spring 2020)

*Teaching of Psychology* (PSYC 7990; Summer 2023)

### Yeshiva University, Ferkauf Graduate School of Psychology

#### Graduate Courses

*Geriatric Neuropsychology Lab (2006-2014 Fall and Spring)*

**MENTORING EXPERIENCE**

Undergraduate Honors Theses: Fordham University

|                          |  |
|--------------------------|--|
| 1. Marisa Rametta        | Reader (B.S., Psychology, Completed 2015)        |
| 2. Caroline Silva        | Reader (B.S., Psychology, Completed 2015)        |
| 3. Marguerite Pintauro   | Reader (B.S., Psychology, Completed 2015)        |
| 4. Alessandra Palladino  | <b>Mentor</b> (B.S., Psychology, Completed 2016) |
| 5. Katrazyna McNeal      | <b>Mentor</b> (B.S., Psychology, Completed 2016) |
| 6. Samantha Jankowski    | Reader (B.S., Psychology, Completed 2016)        |
| 7. Olivia Cortellini     | Reader (B.S., Psychology, Completed 2016)        |
| 8. Brianne Roche         | <b>Mentor</b> (B.S., Psychology, Completed 2017) |
| 9. Alyssa Mayer          | Reader (B.S., Psychology, Completed 2017)        |
| 10. Cassandra Cooney     | Reader (B.S., Psychology, Completed 2018)        |
| 11. Erin Shanahan        | Reader (B.S., Psychology, Completed 2018)        |
| 12. Daniella Toto        | <b>Mentor</b> (B.S., Psychology, Completed 2019) |
| 13. Emma Spoldi          | Reader (B.S., Psychology, Completed 2019)        |
| 14. Lia Paolucci         | Reader (B.S., Psychology, Completed 2019)        |
| 15. Madison Shyer        | <b>Mentor</b> (B.S., Psychology, Completed 2020) |
| 16. Carlotta Santoni     | <b>Mentor</b> (B.S., Psychology, Completed 2020) |
| 17. Erinne Benedict      | Reader (B.S., Psychology, Completed 2020)        |
| 18. Julia Phillips       | Reader (B.S., Psychology, Completed 2020)        |
| 19. Megan Morrison       | Reader (B.S., Psychology, Completed 2020)        |
| 20. Alexander Makatsaria | <b>Mentor</b> (B.S., Psychology, Completed 2021) |
| 21. Clare Culver         | <b>Mentor</b> (B.S., Psychology, Completed 2023) |
| 22. Hasib Mia            | <b>Mentor</b> (B.S., Psychology, Completed 2023) |
| 23. Alyse Peduto         | <b>Mentor</b> (B.S., Psychology, Completed 2023) |
| 24. Claudia Schneider    | Reader (B.S., Psychology, Completed 2023)        |
| 25. Alexandra Schurek    | <b>Mentor</b> (B.S., Psychology, In Progress)    |

Undergraduate Integrative Neuroscience Program: Fordham University

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|-----------------------------|--|
| 1. Adam Zamorek             | <b>Mentor</b> (B.S., Integrative Neuroscience, Completed 2015) |
| 2. Thomas Spanarkel         | <b>Mentor</b> (B.S., Integrative Neuroscience, Completed 2015) |
| 3. Maia Lauria              | <b>Mentor</b> (B.S., Integrative Neuroscience, Completed 2017) |
| 4. Julia Marsden            | <b>Mentor</b> (B.S., Integrative Neuroscience, Completed 2020) |
| 5. Katherine (Katya) Farber | <b>Mentor</b> (B.S., Integrative Neuroscience, Completed 2021) |
| 6. Tiffany Priscilla        | <b>Mentor</b> (B.S., Integrative Neuroscience, Completed 2022) |
| 7. Arnav Bhutada            | <b>Mentor</b> (B.S., Integrative Neuroscience, Completed 2022) |
| 8. Oliva McNeill            | <b>Mentor</b> (B.S., Integrative Neuroscience, Completed 2022) |
| 9. Sebastian Garbanzos      | <b>Mentor</b> (B.S., Integrative Neuroscience, Completed 2023) |

Comprehensive Examinations: Fordham University

|                           |   |
|---------------------------|---|
| 1. Jillian Minahan        | Reader (Applied Developmental Psychology, Completed 2017) |
| 2. Jordan Stiver          | <b>Mentor</b> (Clinical Psychology, Completed 2020)       |
| 3. Melanie Silverman      | Reader (Clinical Psychology, Completed 2020)              |
| 4. Benjamin Fusco-Gessick | <b>Mentor</b> (Clinical Psychology, Completed 2021)       |

5. Eric McConathey **Mentor** (Clinical Psychology, Completed 2021)
6. Micah Savin Reader (Clinical Psychology, Completed 2021)
7. Malorie Watson **Mentor** (Clinical Psychology, Completed 2022)
8. Rachel Bloom Reader (Applied Developmental Psychology, Completed 2022)
9. Denise Oleas Reader (Clinical Psychology, Completed 2022)
10. Yvette Karvay Reader (Clinical Psychology, Completed 2022)
11. Sara Wilkerson Reader (Clinical Psychology, Completed 2022)
12. Theresa Lin **Mentor** (Clinical Psychology, In Progress)
13. Maggie Benda Reader (Clinical Psychology, In Progress)

Master's Theses: Fordham University

1. Francesca Falzarano Reader (M.A., Applied Developmental Psychology, Completed 2015)
2. Cara Levitch Reader (M.A., Clinical Psychology, Completed 2016)
3. James Patrick Olsen Reader (M.A., Clinical Psychology, Completed 2016)
4. Eileen Moran **Mentor** (M.A., Clinical Psychology, Completed 2017)
5. Lauren McClain Reader (M.S., Clinical Research Methods, Completed 2017)
6. Cara Crook **Mentor** (M.A., Clinical Psychology, Completed 2018)
7. Jess Weathers **Mentor** (M.S., Clinical Research Methods, Completed 2018)
8. Antigone Phili **Mentor** (M.S., Clinical Research Methods, Completed 2019)
9. Rachel Zimmerman **Mentor** (M.S., Clinical Research Methods, Completed 2019)
10. Jordan Stiver **Mentor** (M.A., Clinical Psychology, Completed 2018)
11. Angela Summers Reader (M.A., Clinical Psychology, Completed 2018)
12. Kayla Tureson Reader (M.S., Clinical Research Methods, Completed 2018)
13. Jill Stadterman Reader (M.A., Clinical Psychology, Completed 2019)
14. Emily Morris Reader (M.S., Clinical Research Methods, Completed 2019)
15. Eric McConathey **Mentor** (M.A., Clinical Psychology, Completed 2020)
16. Rachel Bloom Reader (M.A., Applied Developmental Psychology, Completed 2021)
17. Denise Oleas Reader (M.A., Clinical Psychology, Completed 2022)
18. Ziyun (Amy) Wang **Mentor** (M.S., Clinical Research Methods, Completed 2022)
19. Theresa Lin **Mentor** (M.A., Clinical Psychology, Completed 2023)
20. Tamar Liberman Reader (M.S., Clinical Research Methods, Completed 2022)
21. Emily Galano **Mentor** (M.S., Clinical Research Methods, In Progress)

Dissertation Theses: Fordham University

1. Dovid Green Reader (Ph.D., Clinical Psychology, Completed 2015)
2. Seojung Jung Reader (Ph.D., Applied Developmental Psychology, Completed 2016)
3. Kristen Tobias Reader (Ph.D., Clinical Psychology, Completed 2017)
4. Franchesca Arias Reader (Ph.D., Clinical Psychology, Completed 2017)
5. Miguel Arce Reader (Ph.D., Clinical Psychology, Completed 2017)
6. Stephanie Hicks Reader (Ph.D., Applied Developmental Psychology, Completed 2017)
7. Fawad Viqar **Mentor** (Ph.D., Clinical Psychology, Completed 2019)
8. Randi Bennett Reader (Ph.D., Clinical Psychology, Completed 2018)



|                            |  |
|----------------------------|--|
| 9. Meera Parbhakar         | Reader (Ph.D., Clinical Psychology, Completed 2016)              |
| 10. Travis Scott           | Reader (Ph.D., Clinical Psychology, Completed 2018)              |
| 11. Lauren Mancusi         | Reader (Ph.D., Clinical Psychology, Completed 2020)              |
| 12. Melissa Masterson      | Reader (Ph.D., Clinical Psychology, Completed 2019)              |
| 13. Vanessa Guzman         | Reader (Ph.D., Clinical Psychology, Completed 2020)              |
| 14. James Pat Olsen        | Reader (Ph.D., Clinical Psychology, Completed 2020)              |
| 15. Christina Supelana     | Reader (Ph.D., Clinical Psychology, Completed 2018)              |
| 16. Cara Levitch           | <b>Mentor</b> (Ph.D., Clinical Psychology, Completed 2019)       |
| 17. Eileen Moran           | <b>Mentor</b> (Ph.D., Clinical Psychology, Completed 2019)       |
| 18. Brandon Frank          | Reader (Ph.D., Clinical Psychology, Completed 2019)              |
| 19. Charity Wijetunga      | Reader (Ph.D., Clinical Psychology, Completed 2020)              |
| 20. Francesca Falzarano    | Reader (Ph.D., Applied Developmental Psychology, Completed 2019) |
| 21. Mariah DeSerisy        | Reader (Ph.D., Clinical Psychology, Completed 2020)              |
| 22. Dean Gomes             | <b>Mentor</b> (Ph.D., Clinical Psychology, Completed 2021)       |
| 23. Emilie Picard          | Examiner (Ph.D., Clinical Psychology, Completed 2020)            |
| 24. Jillian Minahan        | Reader (Ph.D., Applied Developmental Psychology, Completed 2021) |
| 25. Austin Harrison        | Reader (Ph.D., Clinical Psychology, Completed 2021)              |
| 26. Angela Summers         | Reader (Ph.D., Clinical Psychology, Completed 2022)              |
| 27. Cara Crook             | Reader (Ph.D., Clinical Psychology, Completed 2021)              |
| 28. Claire Dunphy          | Examiner (Ph.D., Clinical Psychology, Completed 2021)            |
| 30. Melanie Silverman      | Reader (Ph.D., Clinical Psychology, Completed 2022)              |
| 31. Maral Aghvinian        | Reader (Ph.D., Clinical Psychology, Completed 2022)              |
| 32. Lauryn Garner          | Reader (Ph.D., Clinical Psychology, Completed 2022)              |
| 33. Jordan Stiver          | Reader (Ph.D., Clinical Psychology, Completed 2023)              |
| 34. Eric McConathey        | <b>Mentor</b> (Ph.D., Clinical Psychology, Completed 2022)       |
| 35. Danusha Selva Kumar    | Reader (Ph.D., Clinical Psychology, Completed 2023)              |
| 36. Benjamin Fusco-Gessick | <b>Mentor</b> (Ph.D., Clinical Psychology, In Progress)          |
| 37. Malorie Watson         | <b>Mentor</b> (Ph.D., Clinical Psychology, In Progress)          |

Master's Theses: City University of New York, Brooklyn College

|                   |   |
|-------------------|---|
| 1. Wendy Ramratan | Reader (M.S., Cognitive Psychology, Completed 2010) |
|-------------------|---|

Dissertation Theses: City University of New York, Brooklyn College/Queens College

|                   |  |
|-------------------|--|
| 1. Kate Finley    | Reader (Ph.D., Neuropsychology, Completed 2010)      |
| 2. Jenny Ly       | Reader (Ph.D., Neuropsychology, Completed 2013)      |
| 3. Wendy Ramratan | Reader (Ph.D., Cognitive Psychology, Completed 2016) |

Dissertation Theses: Ferkauf Graduate School of Psychology/Yeshiva University

|                         |  |
|-------------------------|--|
| 1. Sheree Collins       | Reader (Ph.D., Clinical Health Psychology, Completed 2006) |
| 2. Laurie Better Perlis | Reader (Psy.D., Clinical Psychology, Completed 2008)       |
| 3. Aaron Vederman       | Reader (Ph.D., Clinical Health Psychology, Completed 2008) |
| 4. Devorah Schendler    | Reader (Ph.D., Clinical Health Psychology, Completed 2010) |
| 5. Lorri Ovryn          | Reader (Ph.D., Clinical Health Psychology, Completed 2010) |
| 6. Kaori Kato           | Reader (Psy.D., Clinical Psychology, Completed 2011)       |

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|------------------------|--|
| 7. Leah Riber Katz     | Reader (Ph.D., Clinical Health Psychology, Completed 2012) |
| 8. Ann DeSollar        | Reader (Ph.D., Clinical Health Psychology, Completed 2012) |
| 9. Gauri Vilas Pradhan | Reader (Psy.D., Clinical Psychology, Completed 2013)       |

Undergraduate Student Awards: Fordham University

|                     |  |        |
|---------------------|--|--------|
| 1. Katrazyna McNeal | FCRH Undergraduate Research Grant; Spring 2016 | \$600  |
| 2. Tiffany Le       | FCRH Undergraduate Research Grant; Summer 2016 | \$3640 |
| 3. Anika Masand     | FCRH Undergraduate Research Grant; Fall 2016   | \$1200 |
| 4. Tiffany Le       | FCRH Undergraduate Research Grant; Fall 2016   | \$960  |
| 5. Brianne Roche    | FCRH Undergraduate Research Grant; Spring 2016 | \$1072 |
| 6. Daniella Toto    | FCRH Undergraduate Research Grant; Summer 2017 | \$2906 |
| 7. Daniella Toto    | FCRH Undergraduate Research Grant; Fall 2017   | \$1500 |
| 8. Daniella Toto    | FCRH Undergraduate Research Grant; Spring 2018 | \$1500 |
| 9. Alyse Peduto     | FCRH Undergraduate Research Grant; Summer 2022 | \$3275 |
| 10. Hasib Mia       | FCRH Undergraduate Research Grant; Fall 2022   | \$727  |

Graduate Student Awards: Fordham University

- |                 |  |
|-----------------|--|
| 1. Eileen Moran | 2016 APA EAC/SCN Thesis Award                        |
| 2. Cara Levitch | 2016 NY Neuropsychology Group Student Research Award |

**PROFESSIONAL SERVICE**

Fordham University/Department of Psychology

|              |   |
|--------------|---|
| 2014-2020    | Supervisor, Undergraduate Participant Pool  |
| 2014-present | Member, Clinical Psychology Graduate Admissions Committee                               |
| 2014-present | Supervisor, Graduate Teaching Fellows   |
| 2014-present | Reviewer, Comprehensive Examinations, Clinical Psychology graduate program              |
| 2015-present | Reviewer, Comprehensive Examinations, Applied Developmental Psychology graduate program |
| 2015-2016    | Member, Faculty Search Committee, Cognitive Psychology                                  |
| 2016-present | Advisor, Undergraduate Psychology Majors  |
| 2016-2018    | Member, Assessment Committee  |
| 2016-2021    | Member, Teacher Training Committee  |
| 2016-2018    | Member, Distinguished Fellowship Committee  |
| 2017 Fall    | Interim Associate Chair of Undergraduate Studies (FCRH), Department of Psychology       |
| 2018-2022    | Associate Chair of Undergraduate Studies at Rose Hill (FCRH), Department of Psychology  |
| 2018         | Chair, Faculty Search Committee, Clinical Psychology                                    |
| 2020-2021    | Chair, Merit Committee  |
| 2020-present | Member, Curriculum Committee – Undergraduate  |
| 2022-present | Member, Merit Committee   |
| 2022-present | Associate Chair, Department of Psychology   |

Fordham University/Fordham College at Rose Hill (FCRH)

|           |   |
|-----------|---|
| 2015-2019 | Advisor, FCRH Core Advising Program                                 |
| 2015      | Faculty Judge, Fall Disputatio at Queen's Court Residential College |

- 2015 Reviewer, Faculty Research Grants
- 2016-2019 Advisor, FCRH Sophomore Advising Program
- 2017-2019 Member, Academic Integrity Committee
- 2017 Faculty Judge, Spring Disputatio at Queen's Court Residential College
- 2019-present Reviewer, Undergraduate Grant Program (Fall, Spring, Summer)
- 2017-2021 Advisor, FCRH Summer First-Year Academic Coordinator (SFAC)
- 2018 Member, Faculty Search Committee, Physics and Engineering Physics
- 2022 Member, University Tenure Review Committee (UTRC)
- 2022 Reviewer, Len Blavatnik STEM Research Fellowship
- 2022 Member, Biological Sciences Department Personnel Committee for Tenure and Promotion (outside department faculty)
- 2022-present Club Advisor, Moment of Magic Club
- 2022 Advisor, FCRH Summer Advisor for Incoming First-Year Students
- 2022-2023 Member, Academic Integrity Committee
- 2023-present Chair, University Tenure Review Committee (UTRC)
- 2023-present Member, GSAS Academic Affairs Committee

Albert Einstein College of Medicine

- 2010-2013 Senator, Department of Neurology

Ferkauf Graduate School of Psychology of Yeshiva University

- 2006-2014 Clinical Externship Supervision, Ferkauf Older Adult Program

National Professional Organizations

- 2011-2013 Member, Program Committee of the American Psychological Association/Society for Clinical Neuropsychology (Div. 40)
- 2015-2018 Member, Scientific Advisory Committee of the American Psychological Association/Society for Clinical Neuropsychology (Div. 40)

International Professional Organizations

- 2007-2012,
- 2016-2024 Member, Program Committee for the International Neuropsychological Society Annual Meeting
- 2021 Program Co-Chair, International Neuropsychological Society Annual Meeting

**INVITED PRESENTATIONS**

- 2003 College on Problems of Drug Dependence Annual Meeting, Miami, FL
- 2004 Neuropsychology Grand Rounds, Brown University  
Department of Psychiatry and Human Behavior, Providence, RI
- 2004 International Neuropsychological Society Annual Meeting, Baltimore, MD
- 2005 Neuropsychology Grand Rounds, Brown University  
Department of Psychiatry and Human Behavior, Providence, RI
- 2006 Clinical Psychology Program Symposium, Ferkauf Graduate School of  
Psychology, Yeshiva University, Bronx, NY
- 2006 Clinical Health Program Symposium, Ferkauf Graduate School of Psychology,  
Yeshiva University, Bronx, NY

- 2006 American Academy of Chest Physicians Annual Meeting, Salt Lake City, UT
- 2011 International Neuropsychological Society Annual Meeting, Boston, MA
- 2011 Sleep Medicine Grand Rounds, Sleep Center at Montefiore Medical Center  
Bronx, NY
- 2011 Clinical Research in Progress Seminar, Department of Psychiatry, Weill Cornell  
Medical College, White Plains, NY
- 2012 Sleep Medicine Grand Rounds, Sleep Center at Montefiore Medical Center  
Bronx, NY
- 2012 The Pharmacology of Aging: Why Age Matters  
New York Academy of Sciences, New York, NY
- 2012 Cognitive Neuroscience Seminar, Columbia University Medical Center  
New York, NY
- 2012 Fordham University Research Colloquia Series, Department of Psychology  
Bronx, NY
- 2013 Geriatrics Grand Rounds, Montefiore Medical Center, Bronx, NY
- 2013 Neuroscience Lecture Series, Department of Clinical and Health Psychology,  
University of Florida, Gainesville, FL
- 2014 Fordham University Research Colloquia Series, Department of Psychology  
Bronx, NY
- 2016 Department of Neurology Grand Rounds, Mount Sinai Beth Israel,  
New York, NY
- 2018 International Neuropsychological Society Annual Meeting, Washington, DC
- 2019 2<sup>nd</sup> Annual Sleep Symposium “Sleep & Brain Health”, Columbia University  
Medical Center, Columbia School of Nursing, New York, NY
- 2019 Family Weekend Parents’ University teaching demonstration, Fordham  
University, “Visual Perception: Do You See What I See?”
- 2020 “Sleep and Aging”, Neuroaffective Disorders of Aging course, University of  
Southern California
- 2021 Family Weekend Parents’ University teaching demonstration, Fordham  
University, “Visual Perception: Do You See What I See?”
- 2022 “Sleep, Light, and Cognition”, Robert J. and Nancy D. Carney Institute for Brain  
Science, Brown University
- 2022 “Sleep, Light, and Cognition”, FCRH Summer Research Program, Fordham  
University
- 2022 “Sleep, Light, and Cognition”, William C. Dement Retreat Colloquium, Bradley  
Hospital COBRE Center for Sleep and Circadian Rhythms in Child and  
Adolescent Mental Health, Visiting Investigator, Brown University
- 2022 Family Weekend Parents’ University teaching demonstration, Fordham  
University, “Visual Perception: Do You See What I See?”
- 2023 New York State Association of Neuropsychology (continuing education webinar),  
“Sleep and Neuropsychological Function”

### **AD HOC REVIEWER**

Aging, Neuropsychology, and Cognition; Alzheimer’s & Dementia; Archives of Clinical  
Neuropsychology; American Journal of Geriatric Psychiatry; Archives of Physical Medicine and  
Rehabilitation; Behavioral Sleep Medicine; Biological Psychiatry; Bipolar Disorders; Brain and

Cognition; Brain Imaging and Behavior; Brain Research; Clinical Neuropsychologist; Cognitive and Behavioral Neurology; European Journal of Neurology; Human Brain Mapping; International Journal of Geriatric Psychiatry; Journal of the American Geriatrics Society; Journal of Alzheimer's Disease; Journal of Clinical and Experimental Neuropsychology; Journal of Clinical Sleep Medicine; Journal of Geriatric Psychiatry and Neurology; Journal of Gerontology: Medical Sciences; Journal of Psychiatry and Neuroscience; Journal of Psychosomatic Research; Journal of the International Neuropsychological Society; Neurobiology of Aging; Neuroepidemiology; Neuropsychologia; Neuropsychology Review; Neuropsychopharmacology; Pharmacology, Biochemistry and Behavior; PLOS ONE; Psychiatry Research: Neuroimaging; Progress in Neuro-Psychopharmacology & Biological Psychiatry; Psychological Medicine; Sleep; The Clinical Neuropsychologist

**PROFESSIONAL MEMBERSHIPS**

American Psychological Association, Division 40 (Clinical Neuropsychology)  
International Neuropsychological Society (INS)  
Eastern Psychological Society