

Monica Elizabeth Nelson, M.A.

Curriculum Vitae

13301 Bruce B. Downs Blvd.
School of Aging Studies, MHC 1317
College of Behavioral & Community Sciences
University of South Florida
Tampa, FL 33612

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EDUCATION

Tampa, FL
Expected May 2024

University of South Florida
Doctor of Philosophy in Aging Studies
Presidential Fellow
Advisor: Dr. Ross Andel

Charlotte, NC
August 2019

The University of North Carolina at Charlotte
Master of Arts in Psychology with a focus in Cognitive Neuroscience
Phi Kappa Phi, All-Discipline Collegiate Honor Society
(Inducted Spring 2018)
Master's Thesis Title: *Age-Related Differences in Cognitive Control: An ERP Study of Internally Directed Attention.*
Chair: Dr. Mark E. Faust
Committee: Dr. Jeanette M. Bennett & Dr. Jane Gaultney

Davidson, NC
December 2014

Davidson College
Bachelor of Science in Psychology
Senior Thesis Title: *Are Olfactory-Cued Memories Retrieved Directly While Other Modality-Cued Memories Are Retrieved Generatively?*
Chair: Dr. Kristi S. Multhaup
Committee: Dr. John Kello & Dr. Lauren A. Stutts

RESEARCH INTERESTS

Biopsychosocial investigation of cognitive aging and Alzheimer's disease; relationship between engagement in modifiable risk factors (e.g., occupation) and cognitive performance; cognitive reserve; cognitive resilience; early identification of cognitive decline; risk factors for dementia progression; neuroimaging (MRI)

RESEARCH EXPERIENCE

Tampa, FL
August 2019-Present

University of South Florida, School of Aging Studies
Research Assistant

- Lead author on research projects investigating associations between cognitive reserve, MRI, and cognitive/clinical outcomes
- Complete literature reviews
- Manage and analyze data
- Software Used: SAS, Microsoft Suite, EndNote

Charlotte, NC
August 2016-July 2019

The University of North Carolina at Charlotte, School of Nursing
Research Assistant

- Research project investigating the effects of an app vs. in-person motivational interviewing on the drinking behaviors of college students
- Scheduled and led sessions with participants from mandated and voluntary groups
- Coordinated gift card distribution and tracked incentive balance
- Assisted in manuscript, grant report, and systematic review preparation
- Software Used: Microsoft Suite, Google Drive, SurveyShare, SONA Systems and EndNote

Charlotte, NC
August 2016-July 2019

The University of North Carolina at Charlotte, Department of Psychological Science, Cognitive Control & EEG Lab
Research Assistant

- Administered 64-channel Neuroscan EEG cap placement training
- Assisted with participants who responded to a cognitive task while EEGs were recording
- Coordinated scheduling, led lab members in data collection
- Assisted with data analysis of EEG and cognitive data
- Software used: MATLAB (EEGLAB & ERPLAB), EPrime, Neuroscan, and SPSS

Davidson, NC
August 2014-December 2014;
March 2015-May 2015

Davidson College Psychology Department
Senior Thesis Research

- Developed, administered, scored, and analyzed individual research project on the differences between olfactory-cued and other modality-cued memories regarding the number of memories retrieved and the method of retrieval used
- Trained two students on thesis procedure for their administration of a follow-up study; analyzed results from the follow-up study
- Software Used: Microsoft Excel, Microsoft PowerPoint, and SPSS

Davidson, NC
August 2014-December 2014

Davidson College Psychology Department
Psychology Research: Clinical (PSY 314)

- Developed, administered, scored, and analyzed a small group class project on whether a gratitude intervention had a positive impact on participant mood and stress
- Software Used: Qualtrics, Microsoft Excel, and SPSS

Davidson, NC
August 2013-December 2013

Davidson College Psychology Department
Scorer AREA Grant

- Received training in Human Subjects research and financial conflict of interest
- Scored neuropsychological tests
- Software Used: Microsoft Excel

Davidson, NC
August 2013-December 2013

Davidson College Psychology Department
Psychology Research: Memory (PSY 304)

- Administered, scored, and analyzed a class research project investigating the Survival Effect and Boundary Extension
- Software Used: Microsoft Excel

TEACHING EXPERIENCE

Tampa, FL
November 2019

Guest Lecture
GEY 3601: Physical Changes & Aging, University of South Florida, School of Aging Studies
Lecture entitled “Neuroimaging and Cognitive Reserve” presented on November 18, 2019

PUBLICATIONS

Peer-Reviewed Journal Articles

Kazemi, D. M., Borsari, B., Levine, M. J., Shehab, M., **Nelson, M.**, Dooley, B., Stinson, B., Fang, F., & Li, S. (2019). Real time assessment of participants' responses to a mHealth app designed to reduce drinking. *Psychological Services, 16*(2), 255-259.
<http://dx.doi.org/10.1037/ser0000310>

Manuscripts Under Review

Nelson, M. E., Jester, D. J., Petkus, A. J., & Anzel, R. Cognitive Reserve, Alzheimer's Neuropathology, and Risk of Dementia: A Systematic Review and Meta-Analysis.

Vigoureux, T. F. D., **Nelson, M. E.**, Anzel, R., Small, B., Luisa-Davila, A., & Crowe, M. Job Strain and Late-life Cognition: Findings from the Puerto Rican Elderly Health Conditions (PREHCO) Study.

Nilsen, C., **Nelson, M. E.**, Anzel, R., Crowe, M., Finkel, D., & Pedersen, N. L. The Impact of Job Strain on Trajectories of Cognitive Change Before and After Retirement.

Manuscripts in Preparation

Nelson, M. E., Anzel, R., Nedelska, Z., Martinkova, J., Cechova, K., Markova, H., Matuskova, V., Nikolai, T., Lerch, O., Parizkova, M., Laczo, J., Vyhnalek, M., & Hort, J. The Association Between Homocysteine and Memory in Older Adults.

Nelson, M. E., Anzel, R., Martinkova, J., Cechová, K., Marková, H., Nedelska, Z., Laczo, J., Vyhnálek, M., & Hort, J. Moderating Effect of Cognitive Reserve on Brain Integrity and Cognitive Performance.

Elayoubi, J., **Nelson, M. E.**, Hueluer, G., & Haley, W. E. The Impact of Social Engagement on Changes in Memory for Stroke Survivors.

PRESENTATIONS

Nelson, M., Anzel, R., Martinkova, J., Cechová, K., Marková, H., Nedelska, Z., Laczo, J., Vyhnálek, M., & Hort, J. (2020, November). Moderating Effect of Cognitive Reserve on Brain Integrity and Cognitive Performance. Poster presented at the annual meeting of the Gerontological Society of America, online.

Vigoureux, T. F. D., **Nelson, M.**, Anzel, R., Small, B., Luisa-Davila, A., & Crowe, M. Job Strain and Late-life Cognition: Findings from the Puerto Rican Elderly Health Conditions (PREHCO) Study (2020, November). Poster presented at the annual meeting of the Gerontological Society of America, online.

- Nelson, M.,** Faust, M. E., Multhaup, K. S., Granson, M., & Anderson, C. (2020, April). Age-Related Differences in Cognitive Control: An ERP Study of Internally Directed Attention. Poster to be presented at the bi-annual Cognitive Aging Conference, Atlanta, GA. (canceled).
- Faust, M. E., Gowan, E., **Nelson, M.,** Anderson, C., Granson, M., & Multhaup, K. S. (2018, November). Working Memory and External Stroop Tasks: Comparison of Conflict Adaption Effects in Response Times and ERPs (N450). Poster presented at the annual meeting of the Psychonomic Society, New Orleans, LA.
- Faust, M. E., Gowan, E., **Nelson, M.,** Anderson, C., & Multhaup, K. S. (2017, November). Working Memory and External Stroop Tasks: Comparison of Interference and Conflict Adaption Response Time and ERP (N450) Effects. Poster presented at the annual meeting of the Psychonomic Society, Vancouver, British Columbia, CA.
- Weldon, E., Multhaup, K. S., **Nelson, M.,** & Jones, E. (2017, March). Are Olfactory Cues Unique in Their Retrieval Abilities of Autobiographical Memories Over Other Modalities? Poster presented at the annual North Carolina Cognition Group conference, Greensboro, NC.
- Nelson, M.** & Multhaup, K. S. (2016, November). Effects of Odor, Picture, and Verbal Cues on Retrieval of Autobiographical Memories. Poster presented at the annual meeting of the Psychonomic Society, Boston, MA.
- Nelson, M.** & Multhaup, K. S. (2015, May). Are olfactory-cued memories retrieved directly while other modality-cued memories are retrieved generatively? Poster presented at the annual Math and Science Research Symposium, Davidson, NC.

EDITORIAL WORK & PROFESSIONAL SERVICE

Ad hoc reviewer, Alzheimer's Disease and Related Disorders Training Curriculum Programs for *University of South Florida's Training Academy on Aging*

Ad hoc reviewer, *Alzheimer's & Dementia, Journal of the International Neuropsychological Society*

AWARDS

2020	Gerontological Society of America: Behavioral and Social Sciences Section Student Registration Award
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PROFESSIONAL ASSOCIATIONS

Since 2020	Alzheimer's Association International Society to Advance Alzheimer's Research & Treatment (ISTAART) <i>Graduate Student Member</i>
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- Since 2019 **APA Division 20: Adult Development and Aging**
Graduate Student Affiliate
- Since 2019 **Gerontological Society of America**
Graduate Student Member
- Since 2017 **American Psychological Association**
Graduate Student Affiliate
- Since 2016 **Psychonomic Society**
Graduate Student Member

ACADEMIC ASSOCIATIONS

- Since 2019 **Student Association for Aging Studies**
President, 2020-Present
Co-Secretary, 2019-2020

COMMUNITY SERVICE

- Tampa, FL**
2020 **Meals on Wheels**
Volunteer
- Deliver meals to older adults in the community
 - Participate in Telepals program
- Tampa, FL**
2019-2020 **Technology Assistance Group, University of South Florida**
Volunteer
- Provide technology assistance to older adults living in area assisted living facilities
- Tampa, FL**
2019-2020 **Walk to End Alzheimer's**
Participant, Fundraiser
- Raise money for the Alzheimer's Association
 - Participate in local walk
- Charlotte, NC**
2015 **Autism Charlotte**
Afterschool Program Volunteer
- Assisted in the Afterschool Program at University Meadows Elementary School by facilitating the interaction between participants with autism and their typically developing peers through recreational and educational activities

Charlotte, NC
2014-2016

Urban Ministry Center
Homeless Support Services Volunteer

- Sorted through mail and aided at the front desk
- Answered telephones, managed the phone desk, and assisted the neighbors

Castle Hayne, NC
2013-2015

Miss Castle Hayne Scholarship Program
Community Involvement Ambassador

- Raised money and collected goods for organizations including: Families First, Triad Ladder of Hope, Operation Christmas Child, Toys for Tots
- Visited groups throughout the community across the lifespan (elementary school, middle school, nursing home)
- Served as an advocate for higher education and community involvement

Davidson, NC
2013-2014

Adopt a Grandparent
Member

- Civic engagement organization that connects local older adults with the Davidson College community
- Participated in bi-monthly events with other members and the older adults