

Elizabeth Munoz

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EDUCATION AND POSITIONS

- 2015 – Present **Postdoctoral Scholar**, Department of Psychology
University of California-Riverside, Riverside, California
Mentor: Chandra Reynolds, Ph.D.
- 2015 **Ph.D.**, Human Development and Family Studies
Concentrations: Individual Development and Developmental Methodology
Pennsylvania State University, University Park, Pennsylvania
Dissertation: *Stress, cognition, and aging: An examination of predictors and mechanisms*. Chair: Martin J. Sliwinski, Ph.D.
- 2011 **M.S.**, Human Development and Family Studies
Pennsylvania State University, University Park, Pennsylvania
Thesis: *Rumination mediates the relationship between neuroticism and cognitive function*. Chair: Martin J. Sliwinski, Ph.D.
- 2009 **B.A.**, Psychology and Social Behavior
University of California-Irvine, Irvine, California
Thesis: *Cognitive functioning among older adults: Associations with chronic stress, depression, and loneliness*. Chair: Susan T. Charles, Ph.D.

GRANTS AND FELLOWSHIPS

- 2017 - 2019 **National Institute on Aging**; Ruth L. Kirschstein National Research Service Award Individual Postdoctoral Fellowship (F32AG056134)
Project Title: *The Role of Neighborhood Stress in Cognitive Function among Racially and Ethnically Diverse Adults*
- 2015 **Pennsylvania State University**; Joseph and Jean Britton Graduate Fellowship
- 2009 & 2013 **Pennsylvania State University**; Bunton-Waller Fellowship

AWARDS AND HONORS

- June 2017 **Butler-Williams Scholars Program**, participant
National Institute on Aging

May 2013 RAND Summer Institute Scholarship
 April 2012 Honorable Mention, *Ford Foundation Fellowship*
 August 2010 Kathryn A. Shustek Scholarship
Pennsylvania State University
 2009 – 2012 NSF AGEP-SBE Scholar
Pennsylvania State University
 August 2009 Donald Ford Endowment for Professional Development
Pennsylvania State University
 June 2009 Dean's Scholar Award for Excellence in Research
University of California-Irvine
 January 2009 Dean's Award for Community Engagement
University of California-Irvine
 December 2008 Dean's Excellence in Scholarship Fund
University of California-Irvine
 2007 – 2009 Undergraduate Research Opportunities Program Fellow
University of California-Irvine

PUBLICATIONS

Published/In Press

Scott, S.B., **Munoz, E.**, Gamaldo, A.A., Mogle, J., Smyth, J.M., Almeida, D.M., & Sliwinski, M.J. (*In Press*). Psychosocial neighborhood context predicts severity and response to daily stressors. *Social Science & Medicine*.

Phibbs, S., Stawski, R.S., MacDonald, S.W.S., **Munoz, E.**, Smyth, J.M., & Sliwinski, M.J. (*In Press*). The influence of social support and perceived stress on response time inconsistency. *Aging & Mental Health*.

Stawski, R. S., MacDonald, S. W. S., Brewster, P. W. H., **Munoz, E.**, Cerino, E. S., & Halliday, D. W. R. (2017). A comprehensive comparison of quantifications of intraindividual variability in response times: A measurement burst approach. *Journal of Gerontology: Psychological Sciences*. Advance online publication. <https://doi.org/10.1093/geronb/gbx115>

Hill, L.N., McDermott, C., Mogle, J., **Munoz, E.**, DePasquale, N., Wion, R., & Whitaker, E. (*In Press*). Subjective cognitive impairment and quality of life: A systematic review. *International Psychogeriatrics*.

Mogle, J., **Munoz, E.**, Hill, N.L., Smyth, J.M., & Sliwinski, M.J. (2017). Daily memory lapses in adults: Characterization and influence on well-being. *Journal of Gerontology: Psychological Sciences*. Advance online publication. <https://doi.org/10.1093/geronb/gbx012>

Massimo, L., **Munoz, E.**, Hill, N., Mogle, J., Mulhall, P., McMillan, C. T., ... Kolanowski, A. (2017). Genetic and environmental factors associated with delirium severity in older adults with dementia. *International Journal of Geriatric Psychiatry*, *32*, 574–581. <https://doi.org/10.1002/gps.4496>

Sliwinski, M. J., Mogle, J. A., Hyun, J., **Munoz, E.**, Smyth, J. M., & Lipton, R. B. (2016). Reliability and validity of ambulatory cognitive assessments. *Assessment*. <https://doi.org/10.1177/1073191116643164>

Hill, N. L., Mogle, J., Wion, R., **Munoz, E.**, DePasquale, N., Yevchak, A. M., & Parisi, J. M. (2016). Subjective cognitive impairment and affective symptoms: A systematic review. *The Gerontologist*, *56*, 109–127. <https://doi.org/10.1093/geront/gnw091>

Munoz, E., Sliwinski, M., Scott, S., & Hofer, S. (2015). Global perceived stress predicts cognitive change in older adults. *Psychology and Aging*, *30*, 487-499. <http://doi:10.1037/pag0000036>.

Scott, S. B., Graham-Engeland, J. E., Engeland, C. G., Smyth, J. M., Almeida, D. M., Katz, M. J., **Munoz, E.**, Ram, N., & Sliwinski, M. J. (2015). The Effects of Stress on Cognitive Aging, Physiology and Emotion (ESCAPE) project. *BMC Psychiatry*, *15*. <http://doi:10.1186/s12888-015-0497-7>.

Hill, L. N., Mogle, J., **Munoz, E.**, Colancecco, E., & Wion, R. (2015). Assessment of subjective cognitive impairment among older adults. *Journal of Gerontological Nursing*. <http://doi:10.3928/00989134-20150309-01>.

Munoz, E., Sliwinski, M. J., Smyth, J. M., Almeida, D. M., & King, H. A. (2013). Intrusive thoughts mediate the association between neuroticism and cognitive function. *Personality and Individual Differences*, *55*, 898–903. <http://doi:10.1016/j.paid.2013.07.019>.

Under Review

Munoz, E., Stawski, R.S., Sliwinski, M., Smyth, J.S., & MacDonald, S.W.S. (*Under Review*) The ups and downs of cognitive function: Neuroticism and negative affect drive performance inconsistency. *Journal of Gerontology: Psychological Sciences*.

In Preparation

Munoz, E., Filshtein, T., Bettcher, B., McLaren, D., Hedden, T., Wharton, W., & Therneau, T. Cognitive aging and neuropathological outcomes: Competing risks in the Rush Religious Order Study and Memory and Aging Project. *Data analysis complete; draft in progress*.

Munoz, E., Gatz, M., Schoenhofen Sharp, E., Pedersen, N.L., & Reynolds, C.A. Cognitive trajectory patterns predict incident dementia risk in older Swedish adults. *Data analysis and draft in progress*.

Munoz, E., Reynolds, C.A., for the IGEMS consortium. Life events moderate genetic contributions to cognitive function among older adults. *Data analysis and draft in progress.*

CONFERENCE PRESENTATIONS

Conference Talks

Munoz, E., Gatz, M., Schoenhofen Sharp, E., Pedersen, N.L., & Reynolds, C.A. (2017). *Cognitive trajectory patterns predict incident dementia risk in older Swedish adults.* Presented at the 21st IAGG World Congress of Gerontology and Geriatrics; San Francisco, CA.

Munoz, E., Wadsworth, S., Corley, R. & Reynolds, C.A. (2017). *The effect of neighborhood context on cognitive function in middle adulthood.* Presented at the 21st IAGG World Congress of Gerontology and Geriatrics; San Francisco, CA.

Jylhävä, J., Reynolds, C., Hjelmborg J., **Munoz, E.,** Tan, Q., Christiansen, L., Hägg, S., Pedersen, N.L. (2017). *Longitudinal variance components of the Horvath clock and its contributing CpGs.* Paper presented at the 47th Behavior Genetics Annual Meeting; Oslo, Norway.

Scott, S., **Munoz, E.,** Gamaldo, A., Smyth, J., Almeida, D. & Sliwinski, M. (2016). *Neighborhood insecurity, social cohesion, and violence prolong emotional responses to everyday stressors.* Paper presented at the Gerontological Society of America's Annual Scientific Meeting; New Orleans, LA.

Munoz, E., Scott, S., Hyun, J., Almeida, D., Smyth, J. & Sliwinski, M. (2015). *Perceived neighborhood quality and cognitive function: Contrasting effects on in-lab and ambulatory assessments.* In **E. Munoz** (Chair), *Contextual Effects on Well-Being and Cognition from Mid to Late Life.* Presented at the Gerontological Society of America's Annual Scientific Meeting; Orlando, FL.

Scott, S., **Munoz, E.,** Almeida, D., Smyth, J., Lipton, R. & Sliwinski, M. (2015). *Current activities, social partners, and location as micro-context for mood.* In **E. Munoz** (Chair), *Contextual Effects on Well-Being and Cognition from Mid to Late Life.* Presented at the Gerontological Society of America's Annual Scientific Meeting; Orlando, FL.

Hyun, J., **Munoz, E.** & Sliwinski, M. (2015). *Ambulatory cognitive throughput relates to aging and contextual influences.* Presented at the Gerontological Society of America's Annual Scientific Meeting; Orlando, FL.

Massimo, L., **Munoz E.,** Hill, N., Mogle, J., Fick, D., Mulhall, P. & Kolanowski, A.A. (2015). *Associations of APOE status and delirium severity in older adults with dementia.* Presented at the Gerontological Society of America's Annual Scientific Meeting; Orlando, FL.

Sliwinski, M., Mogle, J., Hyun, J., **Munoz, E.**, & Smyth, J. (2015). *Measurement burst designs for enhancing longitudinal methods*. Presented at the Dallas Aging and Cognition Conference; Dallas, TX.

Munoz, E., Mogle, J., Scott, S., Sliwinski, M., Smyth, J., & Almeida, D. (2014). *Facets of neuroticism differentially predict exposure and reactivity to daily events*. In S. Scott (Chair), *Mediators and Moderators of the Effects of Daily Stressors on Emotion and Cognition*. Paper presented at the Gerontological Society of America's Annual Scientific Meeting; Washington, D.C.

Munoz, E., Scott, S., Mogle, J., Sliwinski, M., Smyth, J., & Almeida, D. (2014). *Individual differences in affective reactivity to daily uplifts*. In C. Matz-Costa (Chair), *The Use of Daily Life Methods in Aging Research: Insights from Four Studies*. Paper presented at the Gerontological Society of America's Annual Scientific Meeting; Washington, D.C.

Munoz, E., Scott, S., & Sliwinski, M. (2013). *Perceived stress and cognitive change in older adults*. In **E. Munoz** (Chair), *Perceived Stress: Effects on Cognitive and Brain Aging*. Symposium presented at the Gerontological Society of America's Annual Scientific Meeting; New Orleans, LA.

Sliwinski, M., Almeida, D., Martire, L., Mogle, J., **Munoz, E.**, & Wilson, S. (2011). *Momentary and daily relationships between subjective health and affect*. Paper presented at the Gerontological Society of America's Annual Scientific Meeting; Boston, MA.

Poster Presentations (*mentored undergraduate student author)

Munoz, E., Reynolds, C. A., for the IGEMS consortium (2016). *The effect of life events on cognitive function among older adults*. Poster presented at the Gerontological Society of America's Annual Scientific Meeting; New Orleans, LA.

Reynolds, C.A., **Munoz, E.**, Wang, Z., Morris, T., Pedersen, N. & Hägg, S. (2016). *DNA methylation in aging twins across 10 years: Heritable and environmental contributions*. Poster presented at the American Society for Human Genetics; Vancouver, Canada.

Stawski, R.S., Brewster, P., **Munoz, E.**, & MacDonald, S.W.S. (2016). *A comprehensive comparison of quantifications of intraindividual variability in response times: Associations with attention switching performance*. Poster presented at the Nordic Congress of Gerontology; Tampere, Finland.

Qi, S.*, **Munoz, E.**, Graham-Engeland, J., Engeland, C., Smyth, J.M., Sciegaj, M., & Sliwinski, M.J. (2014). *The association between social isolation and chronic disease burden*. Poster presented at the Gerontological Society of America's Annual Scientific Meeting; Washington, D.C.

Munoz, E., Stawski, R.S., MacDonald, S.W.S., Smyth, J.S., & Sliwinski, M.J. (2014). *Neuroticism and response time inconsistency in adulthood*. Poster presented at the Gerontological Society of America's Annual Scientific Meeting; Washington, D.C.

Sliwinski, M.J., Mogle, J., & **Munoz, E.** (2014). *Measuring cognitive function in context: Validation of ambulatory cognitive testing*. Poster presented at the Cognitive Aging Conference; Atlanta, GA.

Graham-Engeland, J., Slavish D., **Munoz, E.**, Song S., Sliwinski, M. (2014). *Sleep quality and physical symptomatology among diverse mid-life adults is predicted by depressed mood and pain severity; the role of perceived stress, anxiety, and rumination*. Poster presented at the American Psychosomatic Society Annual Scientific Meeting; San Francisco, CA.

Munoz, E., Smyth, J., & Sliwinski, M. (2012). *Intrusive thoughts mediate the association between perceived discrimination and cognition*. Poster presented at the Cognitive Aging Conference; Atlanta, GA.

Munoz, E., Mogle, J., Smyth, J., & Sliwinski, M. (2011). *Not all events are the same: Age differences in negative affect according to appraisal of daily events*. Poster presented at the Gerontological Society of America's Annual Scientific Meeting; Boston, MA.

Mogle, J., **Munoz, E.,** Smyth, J., & Sliwinski, M. (2011). *Daily memory failures and negative affect: Another source of daily stress?* Poster presented at the Gerontological Society of America's Annual Scientific Meeting; Boston, MA.

Sliwinski, M., Orland, B., Davis, K.D. Bose, M., Sciegaj, M. Cole, A., C. Ferreri, P., & **Munoz, E.** (2011). *Perceptions of the natural environment and health among residents in Marcellus and non-Marcellus communities*. Symposium paper presented at the Marcellus Shale Multi-State Academic Research Conference; Altoona, PA.

Munoz, E., Mogle, J., Smyth, J., & Sliwinski, M. (2010). *Unconstructive repetitive thoughts are associated with prolonged negative mood in younger but not older adults*. Poster presented at the Gerontological Society of America's Annual Scientific Meeting; New Orleans, LA.

Munoz, E., Morack, J., King, H., Stawski, R., Smyth, J., & Sliwinski, M. (2010). *Rumination mediates the relationship between neuroticism and cognitive function*. Poster presented at the Cognitive Aging Conference; Atlanta, GA.

Kellenberger, C., **Munoz, E.,** Luong, G. & Charles, S.T. (2009). *Personal control predicts negative and positive affect in individuals with spinal cord injury*. Poster presented at the UCLA Psychology Undergraduate Research Conference; Los Angeles, CA.

Munoz, E. & Charles, S.T. (2009). *Cognitive functioning among older adults: Associations with chronic stress, depression and loneliness.* Symposium paper presented at the annual Undergraduate Research Opportunities Program Symposium; Irvine, CA.

Munoz, E., Piazza, J.R., Charles, S.T., & Dickerson, S. (2008). *Control beliefs when faced with the uncontrollable: Perceptions influence emotional outcomes.* Poster presented at the Gerontological Society of America's Annual Scientific Meeting; National Harbor, MD.

ADDITIONAL TRAINING

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| October 2017 | Advanced Genetic Epidemiology Statistical Workshop; Richmond, VA. |
| September 2017 | Advanced Psychometrics Methods Workshop: Genetics of Cognitive Aging; Friday Harbor, WA. |
| April 2017 | Conference on Polygenic Prediction and its Application in the Social Sciences; University of Southern California, Los Angeles, CA. |
| March 2016 | International Workshop on Statistical Genetic Methods for Human Complex Traits; Boulder, CO. |
| September 2015 | Advanced Psychometrics Methods Workshop: Measuring and Modeling Early Cognitive Decline; Friday Harbor, WA. |
| July 2015 | UC Intercampus Consortium on Health Psychology: Measurement and Quantitative Techniques Workshop; Irvine, CA. |
| June 2015 | Statistical Power Analysis. Society for Ambulatory Assessment Pre-Conference Workshop; University Park, PA. |
| November 2014 | Cognitive Health Disparities Research and National Policy: An NIA Conference to Improve Research Skills in Minority Aging and Address the National Alzheimer's Plan, Gerontological Society of America's Pre-Conference Workshop; Washington, D.C. |
| July 2013 | RAND Mini-Medical School for Social Scientists and Workshop on Aging; Santa Monica, CA. |
| June 2012 | Analyzing Intensive Longitudinal Data (Instructors: J.-P. Laurenceau and N. Bolger); University of Massachusetts Amherst, Amherst, MA. |

PROFESSIONAL SERVICE ACTIVITIES

- February 2015 Invited participant to the U.S. Young Leaders Discussion Series for Innovative Ideas to Address Dementia, Washington, D.C.
- 2010 – 2013 Diversity Committee Co-Chair, Human Development and Family Studies Graduate Steering Committee.

Ad Hoc Reviewer

Aging and Mental Health

Journal of Family Psychology

Journal of Gerontology: Psychological Sciences

Psychology and Aging

PROFESSIONAL AFFILIATIONS

- 2008 – Present Gerontological Society of America (GSA), Behavioral and Social Science Section
- 2008 – Present American Psychological Association (APA), Division 20 (Adult Development and Aging)

STUDENT RESEARCH SUPERVISION

- Alexa Allan (2017 – present; Stony Brook University): Master's thesis student advised on coding, data preparation, and analysis of Area Deprivation Index based upon Census tract data from childhood address reports.
- Sagarika Arogyaswamy (2017 – present; UCR): Post-undergraduate student applying to medical school advised on literature review and data analysis of life events.
- Jaime Sandoval (2016 – 2017; UCR): Undergraduate student advised on a UCR Student Min-Grant submission and data management and analyses related to intraindividual variability of executive function tasks.
- Sharon Qi (2014 – 2015; Penn State): Undergraduate student advised on data analysis and dissemination at a national conference on social isolation and health in midlife adults.

TEACHING EXPERIENCE

Co-Instructor: HD FS (129): Introduction to Human Development and Family Studies (1 semester; instructor rating = 6.0/7).

- Course covering an overview of cognitive, emotional, and social development across the lifespan as well as theoretical and methodological approaches to the study of individual and family development.
- Responsibilities included designing course syllabus, preparing and giving lectures, holding office hours, and managing gradebook and online course management system.

Teaching Assistant: Responsibilities included leading review sessions; holding office hours; giving guest lectures; managing gradebooks; creating exam questions; grading assignments, course papers, and exams; leading weekly lab sections (Empirical Inquiry).

- Empirical Inquiry (2 semesters; mean instructor rating = 6.6/7)
- Adult Development and Aging (2 semesters)
- Introduction to Human Development and Family Studies (1 semester)
- Values and Ethics in the Health and Human Development Professions (1 semester)
- Family Development (1 semester)

Guest Lectures:

“Culture, Ethnicity, and Families” for Family Relationships (Fall 2014)

“Ethics” for Empirical Inquiry (Summer 2014)

“Supporting Healthy Aging with Leisure” for Inclusive Leisure Services (Fall 2013)

“Validity of Results: External and Internal Validity” for Empirical Inquiry (Summer 2013)

“Cognitive Aging” for Development throughout Adulthood (Spring 2013)

“Personality and Aging” for Adult Development and Aging (Spring 2013, Fall 2013 & 2014)

“Stress and Aging” for Adult Development and Aging (Fall 2012)

“Personality and Emotions” for Adult Development and Aging (Spring 2012)

“Memory” for Adult Development and Aging (Spring 2011)

“Culture and Social Relationships” for Adult Development and Aging (Spring 2011)

“Cognition and Aging” for Adult Development and Aging (Fall 2010)

“Issues in Theory and Practice” for Values and Ethics in the Health and Human Development Professions (Fall 2010)

“Stress and Middle Adulthood” for Adult Development and Aging (Fall 2009)