

SARA HABER PIXLEY

3 Grant Ave • Highland Park, NJ, 08904 • (832) 888-6211 • spixley@rucss.rutgers.edu

EDUCATION

Ph.D. in Cognitive Neuroscience, Rice University, 2007-2012

Dissertation: The behavioral and neurological components of metamemory: Monitoring in younger and older adults. Advisor: Jessica M. Logan

M.A. in Cognitive and Brain Sciences, University of Nevada, Reno (UNR), 2005-2007

Master's Thesis: False recognition following study of semantically related lists presented in jumbled word form. Advisor: William P. Wallace

B.A. in Psychology, University of Nevada, Reno (UNR), High Distinction, 2001-2005

Academic Honors: Psi Chi National Honor Society; Golden Key National Honor Society; Phi Kappa Phi National Honor Society; National Dean's List, 2001-2005; Dean's List 2001-2005
Honors Thesis: The jumbled word effect and false recognition

POSITIONS HELD

Executive Staff Director, Rutgers Center for Cognitive Science <i>Supervisor:</i> Brian McLaughlin	2017-present
Associate Director of Quantitative Research, CEB (now Gartner), <i>Supervisor:</i> Monique McCloud-Manley	2014-2017
Postdoctoral Researcher/Lab Manager, The Center for Vital Longevity, UT Dallas <i>Supervisor:</i> Denise C. Park	2012-2014
Research Assistant, Memory and Cognition Lab, Rice University <i>Supervisor:</i> Jessica Logan	2007-2012
Research Assistant, Human memory Lab, University of Nevada, Reno <i>Supervisor:</i> William P. Wallace	2002-2007
Research Assistant, Human perception Lab, University of Nevada <i>Supervisor:</i> Michael Webster	2006-2007
Research Assistant, Physiology Lab, University of Nevada, Reno <i>Supervisor:</i> Michael Crognale	2006-2007
Research and Department Organizer, Cooperative Extension, 2002-2006 <i>Supervisor:</i> Dan Weigel	

TEACHING

Course Instructor

- Memory (Psy 308), Rice University, 2010 & 2011
- Introduction to Psychology (Psy 101), Rice University, 2009
- Cognitive Psychology (Psy 203), Rice University, 2008
- Statistical Methods (Psy 210), UNR, 2007
- Cognitive Psychology (Psy 416), UNR, 2006

Teaching Assistant

- Research Methods (Psy 275), Rice University, 2011
- Memory (Psy 275), Rice University, 2010 & 2008
- Cognitive Psychology (Psy 203), Rice University, 2009
- Neuropsychology of Language and Memory (Psy 375), Rice University, 2008
- Perception (Psy 405), UNR, 2005 & 2006
- Statistics (Psy 210), UNR, 2005

Workshops

- ADVANCE, National Science Foundation, *Negotiating the Ideal Faculty Position*, Rice University, 2008, 2011
- *Learning vs. Teaching Styles, Active Learning Techniques, Writing and Using Learning Objectives*, Part I & II, Rice University, 2010

RESEARCH AWARDS

- Contributing Research Scientist, Indo US Workshop on Cognitive Reserve in Dementia ad Aphasia, Hyderabad, India (Full travel expense coverage to India)
- Outstanding Young Researchers Award, Consortium for Aging and Adult Development, 2013 (\$250 honorarium and travel costs).
- Teagle Award for Collegia on Student Learning, 2008-2011 (\$5,000 each year)
- Elderhostel K. Patricia Cross Doctoral Research Grant, Top 15, 2011
- Gertrude Maurin Travel Award, Rice University, 2007, 2009, 2011 (\$400 each year)
- Graduate Student Fellowship, Rice University, 2007-2012 (full tuition & stipend)
- Robert L. Solso Student Research Award for Outstanding Research in Psychology, Western Psychological Association, 2005 (\$500)
- Undergraduate Research Award, Office of Undergraduate Research, UNR, 2005 (\$2,500)
- Travel award to attend the Association for Psychological Sciences annual convention, 2005 (\$400)
- Graduate State Grant Program, UNR, 2005-2007 (\$4,500 each year)
- Graduate Student Fellowship, UNR, 2005-2007 (full tuition)
- Graduate Student Travel Grant, UNR, 2005-2007 (\$800 each year)

PUBLICATIONS

- Chan, M. Y., Haber [Pixley], S., Drew, L. M., Park, D. C. (2016). [Training Older Adults to Use Tablet Computers: Does It Enhance Cognitive Function?](#) *Gerontologist*, 56 (3), 475-484.
- McDonough, I. M., Haber [Pixley], S., Bischof, G .N., Park, D. C. (2015). [The Synapse Project: Engagement in mentally challenging activities enhances neural efficiency.](#) *Restorative Neurology and Neuroscience*, 33, 865-82.
- Park, D. C., Lodi-Smith, J., Drew, L. M., Haber [Pixley], S., Hebrank, A. C., Bischof, G. N., & Aamodt, W. [The impact of sustained engagement on cognitive function in older adults: The Synapse Project.](#) *Psychological Sciences*, 25, 103-112.
- Logan, J. M, & Castel, A. D. Haber [Pixley], S., Vieham, E. J. (2012). Metacognition and the spacing effect: The role of repetition, feedback, and instruction on judgments of learning for massed and spaced rehearsal. *Metacognition and Learning*, 7, 175-195.
- Halcomb [Pixley], S. H., Taylor, J. P., DeSouza, K. D., & Wallace, W. P. (2008). False recognition following study of semantically related lists presented in jumbled word form. *Memory*, 16, 443-461.
- Webster, M. A., Yasuda, M., Haber [Pixley], S., Leonard, D., & Ballardini, N. (2007). Adaptation and perceptual norms. *Human Vision and Electronic Imaging XII*, 6492.

ORAL PRESENTATIONS

- Haber [Pixley], S. (February, 2014). The impact of sustained engagement on cognitive function in older adults – the Synapse Project. *Indo US Workshop on Cognitive Reserve in Dementia and Aphasia. Hyderabad, India.*
- Haber [Pixley], S. & Park, D. C., (November, 2013). Learning novel and demanding leisure activities enhance the aging brain: Evidence from the Synapse Project. *Gerontological Society of America. New Orleans, LA.*
- Haber [Pixley], S., McDonough, I. M., Park, D. C., (November, 2013). Sustained cognitive engagement leads to long term enhancements in neural recruitment: Evidence from a lifestyle intervention in older adults. *Society for Neuroscience. San Diego, CA.*
- Haber [Pixley], S. The impact of active engagement on the aging mind (April, 2013). *Council on Aging and Adult Development Symposium held by the American Alliance for Health, Physical Education, Recreation, and Dance. Charlotte, NC.*
- Haber [Pixley], S., Chan, M., Park, D. C. (November, 2012). Be mindful: Contextual sensitivity can predict cognitive improvements observed from SYNAPSE, a lifestyle intervention. *Gerontological Society of America. San Diego, CA.*
- Haber [Pixley], S. The impact of active engagement on the aging mind: Evidence from the Synapse Project (October, 2012). *Brown Bag, Center for Vital Longevity.*
- Park, D. C., Lodi-Smith, J., Drew, L. M., Hebrank, A. C., Haber [Pixley], S., Aamodt, W., Bischof, G. N., & Riek, J. (2012). The Synapse Project: A clinical trial examining the impact of active social and cognitive engagement on cognition. *Cognitive Aging, Atlanta, Georgia.*
- Logan, J. M., Meyer, A. N. D., & Halcomb [Pixley], S. H (April, 2010). Searching for an optimal blend of exposure time and repetition for younger and older adults in a face-name learning paradigm. *Cognitive Aging, Atlanta, Georgia.*
- Haber [Pixley], S. (March, 2010). The neurological components of metacognitive monitoring: Intrinsic cues and JOL calibration in younger and older adults. *Cognitive Tea Series, Rice University.*
- Logan, J. M., Halcomb [Pixley], S. H., Meyer, A. N. D. (July, 2009). Making the most of study time in a face-name learning paradigm. *Society for Applied Research in Memory and Cognition, Kyoto, Japan.*
- Haber [Pixley], S. (April, 2009). An exploration of Judgments of Learning (JOLs) across the developmental lifespan. *Cognitive Tea Series, Rice University.*
- Haber [Pixley], S. (October, 2008). An exploration of Judgments of Learning (JOLs) across the developmental lifespan. *Cognitive Tea Series, Rice University.*
- Haber [Pixley], S. (September, 2007). False recognition following study of semantically related lists presented in jumbled word form. *Cognitive Tea Series, Rice University.*
- Haber [Pixley], S., & Wallace, W. P. (April, 2005). The jumbled word effect and the DRM paradigm. *Western Psychological Association, 85th annual convention, Portland, OR.*

POSTER PRESENTATIONS

- Haber [Pixley], S., McDonough, I M., & Park, D. C. (April, 2013). Giving your brain a boost: Engaging activities enhance neural recruitment. *Cognitive Neuroscience Society. San Francisco, CA.*
- Haber [Pixley], S., McDonough, I M., & Park, D. C. (February, 2013). Engaging activities enhance neural recruitment in older adults. *Dallas Aging and Cognition Conference, Dallas, TX.*
- Haber [Pixley], S., Logan, J. M., & Hamilton, C. H. (April, 2012) The neurological components of metacognitive monitoring: JOL accuracy in younger and older adults. *Cognitive Aging, Atlanta, Georgia.*
- Haber [Pixley], S., Logan, J. M., & Hamilton, C. H. (February, 2011) The neurological components of

- monitoring in younger and older adults. *Dallas Aging and Cognition Conference*, Dallas, TX.
- Haber [Pixley], S., Logan, J. M., Hamilton, A. C. (December, 2011). *Neuroscience Research Center*, 18th annual convention, Houston, TX.
- Haber [Pixley], S., Logan, J. M., Hamilton, A. C. (April, 2011). The neurological components of metacognitive monitoring: Item difficulty and monitoring accuracy. *Cognitive Neuroscience Society*, 18th annual convention, San Fransisco, CA.
- Logan, J. M., Halcomb [Pixley], S. H., Ayse, C., & Castel, A. C. (April, 2010). Learning about the spacing effect: The role of instruction and feedback in JOLs in younger and older adults. *Cognitive Aging*, Atlanta, GA.
- Halcomb [Pixley], S. H. & Logan, J. M. (November, 2009). Exploring ease of processing in judgments of learning in younger and older adults. *Psychonomic*, 50th annual convention.
- Halcomb [Pixley], S. H. & Logan, J. M. (October, 2009). Judgments of Learning: Differences in older and younger adult's ability to calibrate. *The Southwest Cognition Conference: ARMADILLO*.
- Logan, J. M., Halcomb [Pixley], S. H., & Meyer, A. N. D. (October, 2009). How to win friends and influence memory. *The Southwest Cognition Conference: ARMADILLO*.
- Meyer, A. N. D., Halcomb [Pixley], S. H., & Logan, J. M. (October, 2009). Study breaks: Effects of task difficulty and level of engagement. *The Southwest Cognition Conference: ARMADILLO*.
- Belz, C. L., Halcomb [Pixley], S. H., & Wallace, W. P. (April, 2008). A stroop effect for jumbled words. *Western Psychological Association*, 88th annual convention, Irvine, CA.
- DeSouza, K. D., Haber [Pixley], S., & Wallace, W. P. (November, 2007). Fast and furious false recognitions: Jumbled words and semantic associations. *Psychonomic*, 48th annual convention, Long Beach, CA.
- Haber [Pixley], S., Ballardini, N., & Webster, M. A. (May, 2007). Blur adaptation and induction in the fovea and periphery. *Vision Sciences Society*, 5th annual convention, Sarasota, FL.
- Taylor, J. P., DeSouza, K. D., Haber [Pixley], S., & Wallace, W. P. (May, 2007). Serial learning of semantically-related lists depresses false recall, but not recognition, *Association for Psychological Sciences*, 19th annual convention.
- Haber [Pixley], S., Taylor, J. P., & Wallace W. P. (May, 2006). Fast and furious false recognitions: Speed and difficulty of jumbled words. *Association for Psychological Science*, 18th annual convention, New York, NY.
- Taylor, J. P., DeSouza, K. D., Haber [Pixley], S., & Wallace, W. P. (November, 2005). The false recall effect following multi-trial serial learning. *Psychonomic*, 47th annual convention, Toronto, Canada.
- Haber [Pixley], S., & Wallace, W. P. (April, 2005). The jumbled word effect and the DRM paradigm. *Western Psychological Association*, 85th annual convention, Portland, OR.
- Taylor, J. P., Haber [Pixley], S., Reis, J., & Wallace, W. P. (November, 2004). All or none: The effect of serial repetition on false recognition. *Psychonomic*, 46th annual convention, Minneapolis, MN.

COMMUNITY TALKS

- Haber [Pixley], S. (August, 2012) *The amazing aging brain: Staying actively engaged through adulthood*. Carrolton Senior Center, Carrolton, TX.
- Haber [Pixley], S. (September, 2012). *The impact of lifestyle and education on the aging brain*. Brookhaven Community College, Dallas, TX.
- Haber [Pixley], S. (September, 2012) *Individual differences and the aging brain*. Jewish Community Center, Dallas, TX.
- Haber [Pixley], S. (September, 2012) *The amazing aging brain*. Edgmere Senior Living, Dallas, TX.

PRESS

Industry - CEB (Now Gartner): The primary author of [The Real Impact of Removing Ratings](#), which has been cited by the [Harvard Business Review](#) and [The Washington Post](#), and was CEB's most downloaded resource in 2016.

Academia - Center for Vital Longevity: While working on the [SYNAPSE](#) project, it was referenced over 300 times on TV, news stations, and other media outlets (e.g., [NPR](#) and [KERA News](#)).

RESEARCH SUPPORT

In Progress

1830812	NSF	Pixley (Co-PI)	08/03/2018-present
Understanding pedagogically motivating factors for under-represented and non-traditional students in an engineering classroom.			

Completed

5R01AG026589-03A2	NIH/NIA	Park (PI)	08/1/07-7/31/2012
Active Interventions for the Aging Mind			

1RC1AG036003-01	NIH/NIA	Park (PI)	10/1/09-9/30/2011
Impact of Exercise and Engagement on Cognition in Older Adults			

Teagle Foundation Award		Logan (PI)	08/2008-08/2011
Translating Cognitive Research on Learning and Retention into College Classrooms			

MEMBERSHIP & SERVICE

- **Previous Student Member of Professional Organizations:** American Psychological Association, Association for Psychological Science, Cognitive Neuroscience Society, Rocky Mountain Psychological Association, Gerontological Society of America, Society for Neuroscience, Southwestern Psychological Association, Western Psychological Association
- **Previous Ad-hoc Reviewer:** *Memory, Clinical Gerontologist, Restorative Neurology and Neuroscience, International Journal of Geriatric Psychiatry*
- **Community Organizer,** Hope for Tomorrow Symposium Event, Alzheimer's Association, 2013-2014
- **Student Member,** Graduate Student Association, 2005-2012; President, Cognitive and Brain Sciences Club, 2006-2007; Vice President, Students for the Advancement of Neuroscience, 2006
- **Institutional Resource Person,** NSF Graduate Research Fellowship Program, 2008-2012
- **Guest Judge,** Rice Undergraduate Research Symposium, 2008-2012
- **Student Volunteer,** Association for Psychological Sciences, Rocky Mountain Psychological Association, 2005

ADDITIONAL SKILLS

Rutgers Systems: Cornerstone, Peoplesoft, Oracle, CSS, Mymajor, Degree Navigator, Sakai, Experimetrix, Sona Systems, Qualtrix, RAPSS

Programming and Software Experience: AFNI, SPM8, DTI Query, ProtrackX, Matlab, Visual Basic.net, Visual basic 6.0, E-Prime, SPSS, JMP, Microsoft Office Suite, WebCT, Salesforce.