

Sara Haber Pixley

Corporate Executive Board

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CURRENT EMPLOYEMENT

Associate Director of Quantitative Research, CEB, 2014-present

- **Overview:** Lead a quantitative team in the design, analysis, and implementation of data-based solutions for compensation and benefits executives
- **Selected Accomplishment:** Primary author of [The Real Impact of Removing Ratings](#), which has been cited by [Harvard Business Review](#) and [The Washington Post](#), and was CEB's most downloaded resource in 2016.

EDUCATION

Ph.D., 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

ACADEMIC EMPLOYMENT

Postdoctoral Researcher/Lab Manager, The Center for Vital Longevity, UT Dallas, 2012-2014

Supervisor: Denise C. Park

Research Assistant, Memory and Cognition lab, Rice University, 2007-2012

Supervisor: Jessica Logan

Research Assistant, Human memory lab, University of Nevada, Reno, 2002-2007

Supervisor: William P. Wallace

Research Assistant, Human perception lab, University of Nevada, 2006-2007

Supervisor: Michael Webster

Research Assistant, Physiology Lab, University of Nevada, Reno, 2006-2007

Supervisor: Michael Crognale

Research and Department Organizer, Cooperative Extension, 2002-2006

Supervisor: 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), University of Nevada – Reno, 2007
- Cognitive Psychology (Psy 416), University of Nevada – Reno, 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), University of Nevada – Reno, 2005 & 2006
- Statistics (Psy 210), University of Nevada – Reno, 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, University of Nevada, Reno, 2005 (\$2,500)
- Travel award to attend the Association for Psychological Sciences annual convention, 2005 (\$400)
- Graduate State Grant Program, University of Nevada, Reno, 2005-2007 (\$4,500 each year)
- Graduate Student Fellowship, University of Nevada, Reno, 2005-2007 (full tuition)
- Graduate Student Travel Grant, University of Nevada, Reno, 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 Francisco, 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

Press Coverage from The SYNAPSE Project

- **TV/Radio Coverage:** References 78 times on TV and on at least 4 radio stations (e.g., [Morning Addition](#), *All Things Considered*)
- **Online/Print News Coverage (229 total websites):** *Front page of Reddit* • *The Boston Globe* • *News Day* • *Voice of America* • *Psychology Today* • *Fox News* • *Psychology Central* • *The Huffington Post* • *Health Day* • *The British Psychological Society* • *Association for Psychological Sciences*

RESEARCH SUPPORT

Completed

5R01AG026589-03A2 NIH/NIA Park (PI) 08/1/07-7/31/2012

Active Interventions for the Aging Mind

This project is an intervention trial that assesses the impact of a social and cognitive engagement for a 14 week period, 20 hours a week on neurocognitive function.

Role: Postdoctoral Fellow. Responsible for data analyses, presentation and publication of results.

1RC1AG036003-01 NIH/NIA Park (PI) 10/1/09-9/30/2011

Impact of Exercise and Engagement on Cognition in Older Adults

(ARRA Challenge). This project is an intervention study to assess the effectiveness of exercise training in combination with social engagement to improve cognitive performance in older adults. *Role:* Postdoctoral Fellow. Responsible for data analyses, presentation and publication of the results.

Teagle Foundation Award

Logan (PI)

08/2008-08/2011

Translating Cognitive Research on Learning and Retention into College Classrooms: Collegium of Rice University and the University of Texas Medical School, Houston.

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, Rice University, 2007-2012
- **Institutional Resource Person,** National Science Foundation Graduate Research Fellowship Program, 2008-2012
- **Guest Judge,** Rice Undergraduate Research Symposium, 2008-2012
- **President,** Cognitive and Brain Sciences Club, 2006-2007
- **Vice President,** Students for the Advancement of Neuroscience, 2006
- **Cognitive Student Representative,** Psychology United, 2005-2007
- **Student Volunteer:** Association for Psychological Sciences, 2005; Rocky Mountain Psychological Association, 2005

ADDITIONAL SKILLS

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