

# Joshua D. Sandry, Ph.D.

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## CURRENT POSITIONS

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2015 – Assistant Professor Montclair State University, Psychology Department

## PAST FACULTY POSITIONS

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2015 – 17 Visiting Scientist Kessler Foundation, Neuropsychology & Neuroscience  
2015 – 16 Assistant Professor Rutgers, NJ Medical School, Department of Physical Medicine & Rehabilitation  
2014 – 15 Adjunct Faculty Montclair State University, Psychology Department

## EDUCATION & TRAINING

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2013 – 15 Postdoctoral Fellow, Neuropsychology & Neuroscience, Kessler Foundation  
*2 yr National MS Society postdoctoral fellowship*  
2010 – 13 PhD Cognitive Psychology, New Mexico State University  
*2 yr National Science Foundation predoctoral fellowship & 1 yr Howard Hughes Medical Institute predoctoral fellowship*  
2012 Visiting Scholar, University of Missouri–Columbia, Psychological Sciences  
2008 – 10 MA Experimental Psychology, New Mexico State University  
2006 – 07 BS Psychology, East Stroudsburg University of Pennsylvania *summa cum laude*  
2001 – 04 AA Humanities & Social Science, County College of Morris

## FELLOWSHIPS/HONORS/AWARDS (predoctoral & postdoctoral fellowship support bolded)

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2015 NIMH Summer Institute in Cognitive Neuroscience Fellowship, UC Santa Barbara  
2015 Kessler Foundation Fellow Inspiration Award  
2014 Consortium of Multiple Sclerosis Centers (CMSC) Scholarship  
2013 National Multiple Sclerosis Society Tykeson Conference Travel  
2013 – 15 **National Multiple Sclerosis Society** Postdoctoral Fellowship  
2012 Arts and Sciences Outstanding Graduate Award, NMSU  
2012 Shine On! Ambassador: shining stars of the past, present, and future, NMSU  
2011 – 13 **National Science Foundation** – GK-12 Fellowship  
2011 Preparing Future Faculty. *\*Application selected/declined due to NSF conflict*  
2011 Merit-Based Enhancement Fellowship, NMSU  
2011 HFES Perception & Performance Technical Group Student Poster Award  
2010 – 11 **Howard Hughes Medical Institute** Scientific Teaching Fellowship  
2010 – 13 Graduate Tuition Fellowship, 3 yrs/completion of Doctoral Degree, NMSU  
2008 – 12 Conference Travel Funding (over \$10k in competitive proposals), NMSU  
2008 Sigma Xi - Award for the Psychology B.S. degree program, ESU  
2008 Scholastic Honors Recognition, ESU  
2007 Psi Chi, ESU  
2007 Summa Cum Laude, ESU

2007 Student of the Month, ESU  
2007 Evelyn Hodge Memorial Scholarship for Psychology Majors, ESU  
2006 John Kramer Science Award for Outstanding Research Poster, ESU

## RESEARCH SUPPORT

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### Ongoing

Pilot Research Grant, Consortium of Multiple Sclerosis Centers; 01/2018-12/2018  
"Mathematical Models of Motor and Mental Speed" (\$35,530 direct + \$3,553 indirect)  
Role: PI

### Completed

Research Grant, National Multiple Sclerosis Society; 9/2017 – 9/2018  
"The Effect of Feedback Presentation on the Fronto-Striatal Network Activity and Fatigue in Individuals with MS" (\$408,000, direct; Subaward \$21,523 direct + \$2152 indirect)  
Role: Co-I (PI: E. Dobryakova)

Internal Grant, Montclair State University SGPD; 05/2017  
"Functional & Structural Neuroimaging of Working Memory Mediated Memory Dysfunction in Multiple Sclerosis" (\$4000 direct)  
Role: PI

Pilot Research Grant, Foundation of the Consortium of Multiple Sclerosis Centers; 01/2016-12/2016  
"Hippocampal involvement in working and long-term memory to understand memory impairment in multiple sclerosis" (\$36,364 direct; \$3,636 indirect)  
Role: PI

## CHAPTERS (students underlined)

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Sandroff, B., **Sandry, J.**, & DeLuca, J. (2016, *in press*). The neuropsychology of multiple sclerosis. In: Parks R.W., Zec R.F., Bondi M.W., Jefferson A.L., eds. *Neuropsychology of Alzheimer's Disease and Other Dementias*. 2 ed. Oxford University Press:

**Sandry, J.**, Akbar, N., Zuppichini, M., & DeLuca, J (2016). Cognitive rehabilitation in multiple sclerosis. In M.-K. Sun (Eds.), *Research Progress in Alzheimer's Disease and Dementia*, (Vol. 6, pp. 195-234). New York: Nova Science Publisher

## JOURNAL PUBLICATIONS

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Zuppichini, M. D. & **Sandry, J.** (in press). Pilot investigation of the relationship between hippocampal volume and pattern separation deficits in multiple sclerosis. *Multiple Sclerosis & Related Disorders*

**Sandry, J.**, Zuppichini, M. D., Rothberg, J., Valdespino-Hayden, Z., & DeLuca, J. (in press). Poor encoding and weak early consolidation underlie memory acquisition deficits in multiple sclerosis: Retroactive interference, processing speed or working memory? *Archives of Clinical Neuropsychology*

Ricker, T. J. & **Sandry, J.** (in press). The relationship between masking and short-term consolidation during recall from visual working memory. *Annals of the New York Academy of Sciences*

**Sandry, J.**, Paxton, J., & Sumowski, J. F. (2016). General mathematical ability predicts PASAT performance in MS patients: Implications for clinical interpretation and cognitive reserve. *Journal of the International Neuropsychological Society*, 27 (3), 375 – 378.

**Sandry, J.**, Chiou, K., DeLuca, J. & Chiaravalloti, N. (2016). Individual differences in working memory capacity predicts responsiveness to memory rehabilitation after TBI. *Archives of Physical Medicine and Rehabilitation*, 97(6), 1026-1029

Chiaravalloti, N. D., **Sandry, J.**, Moore, N. B., & DeLuca, J. (2016). An RCT to treat learning impairment in traumatic brain injury: The TBI-MEM Trial. *Neurorehabilitation & Neural Repair*, 30(6), 539-550

Sumowski, J. F., Rocca, M. A., Leavitt, V. M., Riccitelli, G., **Sandry, J.**, DeLuca, J., Comi, G., Filippi, M. (2016). Searching for the neural basis of reserve against memory decline: Intellectual enrichment linked to larger hippocampal volume in MS. *European Journal of Neurology*, 23 (1), 39-44

Chiou, K., **Sandry, J.**, & Chiaravalloti, N. (2015). Cognitive contributions to differences in learning after moderate to severe traumatic brain injury. *Journal of Clinical and Experimental Neuropsychology*, 37 (10), 1074 – 1085.

**Sandry, J.**, Dobryakova, E., & DeLuca, J. (2015). New research on cognitive fatigue in multiple sclerosis. *National Academy of Neuropsychology Bulletin*, 29 (1), 25-27.

**Sandry, J.** (2015). Working memory and memory loss in neurodegenerative disease. *Neurodegenerative Disease Management*. 5(1), 1-4.

**Sandry, J.**, DeLuca, J., & Chiaravalloti, N. (2015). Working memory capacity links cognitive reserve with long-term memory in moderate to severe TBI: a translational approach. *Journal of Neurology*, 262(1), 59-64.

**Sandry, J.**, Genova, H., Dobryakova, E., DeLuca, J. & Wylie, G., (2014). Subjective cognitive fatigue in multiple sclerosis depends on task length. *Frontiers in Neurology*, 5, 214

**Sandry, J.**, Schwark, J. D. & MacDonald, J. (2014). Flexibility within working memory and the focus of attention for sequential verbal information does not depend on active maintenance. *Memory & Cognition*, 42, 1130 – 1142.

**Sandry, J.** & Sumowski, J. F. (2014). Working memory mediates the relationship between intellectual enrichment and long-term memory in multiple sclerosis: An exploratory analysis of cognitive reserve. *Journal of the International Neuropsychological Society*, 20, 868 – 872.

**Sandry, J.**, Rice, S., Trafimow, D., Hunt, G., Busche, L., & Rubio, E. (2013). Suboptimal recognition for increasing set sizes is largely due to inconsistency: A potential performance theory analysis of individual differences. *Cognitive Technology*, 18, (2), 4 – 17.

Schwark, J., MacDonald, J., **Sandry, J.** & Dolgov, I. (2013). Prevalence-based decisions undermine visual search. *Visual Cognition*, 21, 541 – 568

**Sandry, J.**, Trafimow, D., Marks, M. J., Rice, S. (2013). Adaptive memory: Evaluating alternative forms of fitness-relevant processing in the survival processing paradigm. *PLoS ONE* 8(4), e60868.

Schwark, J., Dolgov, I., **Sandry, J.**, & Voklman, B. (2013). Simultaneous attentional guidance by working-memory and selection history reveals two distinct sources of attention. *Acta Psychologica*, 144, 269 – 278.

Wesp, R., Kash, M., **Sandry, J.** & Patton, L. (2013). Should syllabi communicate expectations regarding appropriate classroom behaviors? *Syllabus*, 2, (2), 1 -10.

Hunt, G., Rice, S., Trafimow, D. & **Sandry, J.** (2013). Using potential performance theory to analyze systematic and random factors in enumeration tasks. *American Journal of Psychology*. 26(1), 23-32

Schwark, J., **Sandry, J.**, & Dolgov, I. (2013). Evidence for a positive relationship between working-memory capacity and detection of low-prevalence targets in visual search. *Perception*, 42, 112 – 114.

Schwark, J., **Sandry, J.**, MacDonald, J., & Dolgov, I. (2012). False feedback increases detection of low prevalence targets in visual search. *Attention, Perception, & Psychophysics*, 74(8), 1583-1589.

MacDonald, J. A., **Sandry, J.**, & Rice, S. (2012). Self-construal priming affects speed of retrieval from short-term memory. *PLoS ONE*, 7(11), e50007.

Hughes, J., **Sandry, J.** & Trafimow, D. (2012). Intentional inferences are not more likely than unintentional ones: Some evidence against the intentionality bias hypothesis. *The Journal of Social Psychology*, 152, 1 – 4.

Rice, S., Hackett, H., Trafimow, D., Hunt, G. & **Sandry, J.** (2012). Damned if you do and damned if you don't: Assigning blame to victims regardless of their choice. *The Social Science Journal*, 49, 5 – 8.

Rice, S., **Sandry, J.** & Richardson, J. (2012). How the Negative Stigma Associated with AIDS Affects Sufferers' Trustworthiness. *Review of European Studies*, 4, 54 – 65.

**Sandry, J.**, Hunt, G., Rice, S., Trafimow, D., & Geels, K. (2011). Can priming your self lead to punishing others? *The Journal of Social Psychology*, 15, 531 – 534.

Rice, S., Keller, D., Trafimow, D. & **Sandry, J.** (2010). Retention of a time pressure heuristic in a target identification task. *The Journal of General Psychology*, 137, 239 – 255.

Rice, S., Trafimow, D., Hunt, G., & **Sandry, J.** (2010). Generalizing Kant's distinction between perfect and imperfect duties to trust in different situations. *The Journal of General Psychology*, 137, 20 – 36.

Wesp, R., **Sandry, J.**, Prisco, A., & Sarte, P. (2009). Affective forecasts of future positive events are tempered by consideration of details. *American Journal of Psychology*, 122, 167 – 174.

## **CONFERENCE PROCEEDING PAPERS** (†Peer Reviewed)

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† Blair, K., **Sandry, J.** & Rice, S., (2012). An expansion of system wide trust theory using in-vehicle automation. *Human Factors and Ergonomics Society Annual Meeting Proceedings*. 56, 1679 – 1683.

† **Sandry, J.**, Schwark, J., Hunt, G., Geels, K., & Rice, S. (2012). Superior visual search accuracy after exposure to natural relative to urban environments. *Human Factors and Ergonomics Society Annual Meeting Proceedings*. 56, 1624-1628.

Geels, K., Rice, S., Schwark, J., Hunt, G. & **Sandry, J.** (2011). Applying the reliance-compliance model to system-wide trust theory in an aviation task. *International Symposium of Aviation Psychology Annual Meeting Proceedings*.

Hunt, G., Rice, S., Trafimow, D., Schwark, J., **Sandry, J.**, Busche, L., & Geels, K. (2011). Visual vs. auditory memory: A potential performance theory analysis. *International Symposium of Aviation Psychology Annual Meeting Proceedings*.

† **Sandry, J.**, Schwark, J., Hunt, G., Geels, K., & Rice, S. (2011). Operator aid-switching in a case of redundant automation with single-aid failure. *Human Factors and Ergonomics Society Annual Meeting Proceedings*. 55, 1427-1431. ++ Awarded Best Student Contribution

Schwark, J., **Sandry, J.**, Hunt, G., Geels, K., Rice, S., & Dolgov, I. (2011). Redundant automation and contagion in an aviation task. *International Symposium of Aviation Psychology Annual Meeting Proceedings*.

## TEXTBOOK SUPPLEMENTAL MATERIALS

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Green, B. A., Keiss, H., & **Sandry, J.** (2010). Instructor's Manual and Test Bank (Download Only) Statistical Concepts for the Behavioral Sciences, fourth edition. Boston, CA: Allyn and Bacon.

Green, B. A., & **Sandry, J.** (2010). Assignments and Exercises for Students Statistical Concepts for the Behavioral Sciences, fourth edition. Boston, CA: Allyn and Bacon.

**Sandry, J.**, & Green, B. A. (2010). PowerPoint Presentation for Statistical Concepts for the Behavioral Sciences, fourth edition. Boston, CA: Allyn and Bacon.

## PROFESSIONAL MEMBERSHIPS & SERVICE

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### Professional Memberships:

Consortium of Multiple Sclerosis Centers  
Eastern Psychological Association  
Psychonomic Society  
International Neuropsychological Society

### Editorial Boards:

*International Journal of Aviation Sciences*, Editorial board member, 2016 (*not accepting submissions*)

### Ad Hoc Reviewing:

*Memory & Cognition* • *Frontiers in Neurology* • *Multiple Sclerosis and Related Disorders* • *Neuropsychological Rehabilitation* • *Cortex* • *Acta Psychologica* • *Therapeutic Advances in Neurological Disorders* • *Assessment* • *Journal of Clinical and Experimental Neuropsychology* • *Psychology & Aging* • *PLoS One* • *Journal of the Neurological Sciences* • *Archives of Clinical Neuropsychology* • *Frontiers in Human Neuroscience* • *Neuroscience & Biobehavioral Reviews* • *Neuropsychology* • *International Journal of MS Care* • *Acta Neurologica Scandinavica* • *Evolutionary Psychology* • *Quality of Life Research* •

*International Journal of Sport and Exercise Psychology • Proceedings of the Human Factors and Ergonomic Society • Social Science Journal*

**Internal & External Service:**

2018 Co-chair Quantitative Psychology Faculty Search Committee, Psychology Department, *MSU*  
2018 Neuroscience Working Group, CHSS/CSAM/Provost's Office, *MSU*  
2018 Scholarship Criteria Committee, Psychology Department, *MSU*  
2017- Institutional Review Board Member, *MSU*  
2017- Clinical Psychology PhD Applicant Selection  
2017 Student/Faculty R Statistical Computing Language Brownbag Seminar  
2016-17 Adjunct Evaluation Committee, Psychology Department, *MSU*  
2016 Neuroscience Track Committee, Psychology Department, *MSU*  
2015-17 Montclair Student Neuroscience Association Faculty Mentor, *MSU*  
2015 Social Cognition Faculty Search Committee, Psychology Department, *MSU*  
2015 Continuing Education Instructor, Consortium of Multiple Sclerosis Centers  
2012-13 Human Factors and Ergonomics Society Student Chapter President, *NMSU*  
2010-11 Association for Psychological Science Campus Representative to *NMSU*  
2010 Graduate Student Council Finance Committee, *NMSU*  
2009-10 Psychology Graduate Student Organization President, *NMSU*