

**JENNIFER ANNE MANGELS, Ph.D.**  
**Curriculum Vitae**  
**January 2017**

**CONTACT INFORMATION**

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New York, NY 10010

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**EDUCATION AND PROFESSIONAL EXPERIENCE**

2015- *Chair*, Dept. of Psychology, Baruch College, CUNY  
2012- *Full Professor*, Dept. of Psychology, Baruch College, City University of New York  
2011-2012 *Associate Professor with Tenure*, Dept. of Psychology, Baruch College, CUNY  
2008- Doctoral Faculty of The Graduate School and University Center of CUNY's PhD Program in Psychology (Cognitive Neuroscience Subprogram, CCNY)  
2007- *Adjunct Associate Research Scientist*, Department of Psychology, Columbia University  
2007-2011 *Associate Professor*, untenured, Dept. of Psychology, Baruch College, CUNY  
  
2003-2007 *Associate Professor*, Department of Psychology, Columbia University  
2002-2007 Faculty of the Doctoral Program in Neurobiology and Behavior  
1998-2002 *Assistant Professor*, Department of Psychology, Columbia University  
  
1995-1998 *Post-doctoral Research Fellowship in Cognitive Neuroscience*,  
Rotman Research Institute, Baycrest Centre for Geriatric Care, Univ. of Toronto,  
Canada  
*Assisting Clinician*: Memory Clinic, Baycrest Centre for Geriatric Care  
  
1990-1995 *Ph.D., Cognitive Psychology*, University of California, Berkeley, CA  
National Science Foundation (NSF) Pre-Doctoral Fellowship  
  
1986-1990 *B.A.A.S., Psychology*; University of Delaware (Honors Program), Newark, DE  
Degree with Distinction, *summa cum laude*, Phi Beta Kappa

**FEDERAL GRANT PANEL ACTIVITIES AND ADVISORY POSITIONS**

July 2015- Advisor to the NeuroLeadership Institute  
Feb 2014 Invited panelist for the GSE NSF Review Panel  
2009-12 Graduate Research Fellowship Program Panelist  
March 2008-Dec 2009 Chief Research Officer, Lucid Systems Inc.  
March 2008 Technical advisor to O'Reilly Publishers for the "Missing Manual for the Brain"  
Feb 2008 Invited panelist for the REESE NSF Review Panel  
June 2007 Invited panelist for NIH Cognition and Perception Study Section  
Jan 2007- Senior Scientific Advisor to *Academic Youth Development* (Austin, TX): advising on the use of neuroscience in educating students about academic potential via neural plasticity  
Jan 2007 Consultant to 2007 NSF Graduate Research Fellowship Program in Psychology  
Nov 2006- Senior Scientific Advisor for *Lucid Systems* (San Francisco, CA): advising on the application of neuroscience research to advertising and marketing  
Nov 2006 Member of NIH Special Review Committee for Autism Centers of Excellence (ACE)  
June 2006- Vice-Chair of Psychology Steering Committee, New York Academy of Sciences

## **Mangels, Jennifer A.**

### **RESEARCH GRANTS AND AWARDS:**

#### **PENDING**

NIH/NCI, PAR grant, "A Novel Approach to Studying Cognitive Function in Cancer Patients Treated with Allogeneic Stem Cell Transplantation." 12/1/17-8/31/22. (PI: Denise Correa, MSKCC; Co-PI: Mangels [subaward]).

NIH/NCI, K99/R00, "Using electroencephalography to assess cognitive dysfunction and response to tDCS-augmented behavioral intervention in cancer survivors." 7/1/18-6/30/23. (PI: Denise Pergolizzi, MSKCC, Mentor: Mangels.)

DARPA, "ACCESS – Agent-based Causal Simulator with Cognitive, Environmental, and Social System Factors." 12/4/17-6/28/19. (PI: Scott Rager, BBN Technologies; Co-PI: Mangels [subaward])

#### **CURRENT**

Social and Cognitive Network Academic Center (SCNARC), U.S. Army Research Laboratory under the Network Science Collaborative Technology Alliance, Agreement Number W911NF-09-2-0053. 10/1/09-9/30/16. Total award to Mangels: \$720,000.

Title of Project: *Networked situation awareness for information-based decision making*

PSC-CUNY Research Award, PSCREG-47, "Tracking Engagement with Feedback in Mastery and Performance-Oriented STEM Environments", 7/1/16-12/31/17, Mangels, PI. \$3,500.

#### **COMPLETED**

PSC-CUNY Research Award, PSCREG-45, "Can Rewarding Effort Motivate Mastery and Learning", 7/1/14-12/31/15, Mangels, PI. \$6,000.

National Science Foundation, "Gender Differences in the Foundations of Sense of Belonging: Effects on Achievement, Aspirations, and Learning in STEM Disciplines," 10/1/09-5/31/15, Mangels, Co-PI (Catherine Good, PI). Total award (direct and indirect): \$600,000 (including \$100,000 supplement, 2013).

Institute for Educational Sciences (Department of Education), "Creating Scalable Interventions for Enhancing Student Learning and Performance", 6/1/09-5/31/14, Mangels, PI of Subaward to Baruch College (Joshua Aronson, NYU, Project Director). Total award: \$1,358,113 (Subaward: \$343,989, total direct and indirect).

PSC-CUNY Enhanced Research Award, "Rumination and Rebound from Failure: Mediators, Moderators and Methods of Remediation," 7/1/11-12/31/12, Mangels, PI. Total award: \$11,852.

PSC-CUNY Research Award, PSCREG-40-1276, "The Relationship Between Stereotype Threat and Successful Insight Experiences in Problem Solving", 7/1/09-12/31/10, Mangels, PI. \$4,000.

PSC-CUNY Research Award, PSCOOC-39.140, 60068-38 39, "A Social Cognitive Neuroscience Approach to Math Achievement and Learning: Establishing Norms", 7/1/08-12/31/09, \$4,500. Mangels, PI

NIH, NIMH, R21 MH66129, "Detection and Correction of Errors in Declarative Memory," 8/02-2/06, \$200,000 direct (\$326,000 total) costs. Mangels PI.

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Dept. of Education, Cognition and Student Learning (CASL), R305-H-02-0031A, "The Influence of Students' Intelligence Beliefs on Attention, Information Processing, and Learning: A Neurophysiological Approach," 1/03-6/07, \$785,547 total costs. (Mangels Project Director; Carol Dweck and Catherine Good, Co-PIs)

NSF SLC Catalyst: Science of Learning in Urban Education Institutions Catalyst Grant (Co-PI; O. Roger Anderson, PI). 10/1/03-9/31/04. \$150,475 total costs;  
<http://www.tc.columbia.edu/centers/cssluei/>

### PUBLICATIONS (PEER REVIEWED)

42. **Mangels, J. A.**, Rodriguez, S., Ochakovskaya, Y., & Guerra-Carrillo, B. (2017). Achievement goal task framing and fit with personal goals modulates the neurocognitive response to corrective feedback. *AERA Open*, 3(3), [doi.org/10.1177/2332858417720875](https://doi.org/10.1177/2332858417720875) (special issue on Neuroscience, Education and Learning for AERA Open).
41. **Mangels, J. A.**, Hoxha, O., Lane, S., Jarvis, S. & Downey, G. (2017). Evidence that Disrupted Orienting to Evaluative Social Feedback Undermines Error Correction in Rejection Sensitive Women. *Social Neuroscience*, doi: 10.1080/17470919.2017.1358210.
40. Whiteman, R. C., & **Mangels, J. A.** (2016). Rumination and Rebound from Failure: A Function of Gender and Time on Task. *Brain Sciences*, 6(1), 7; doi:[10.3390/brainsci6010007](https://doi.org/10.3390/brainsci6010007)
39. E. I. Sklar, S. Parsons, Z. Li, J. Salvit, S. Perumal, H. Wall, & **J. Mangels**. (2016). Evaluation of trust-modulated argumentation-based interactive decision-making tool. *Autonomous Agents and Multi-Agent Systems*. 30(1), pp 136-173, (DOI) [10.1007/s10458-015-9289-1](https://doi.org/10.1007/s10458-015-9289-1).
38. Hughes, D., Adali, S., Cho, J-H, & **Mangels, J.** (2015). Individual differences in information processing in networked decision-making, In Proceedings of BRIMS 2015: Conference on Behavior Representation in Modeling and Simulation (Referred Conference Proceeding).
37. K Chan, J-H Cho, S. Adali, J. Mangels, O. Hoxha, K. Lila, and D. Abraham. (2014). Providing Agility in C2 Environments Through Networked Information Processing: A Model of Expertise, In Proceedings of the 19<sup>th</sup> Annual ICCRTS Conference. (Refereed Conference Proceeding).
36. J. Salvit, Z. Li, S. Perumal, H. Wall, **J. Mangels**, S. Parsons and E. I. Sklar, Employing Argumentation to Support Human Decision Making: A User Study, In Proceedings of the 11th International Workshop on Argumentation in Multi-Agent Systems (ArgMAS) at the 13th International Conference on Autonomous Agents and Multiagent Systems (AAMAS), 2014. (Refereed Conference Proceeding)
35. Rodriguez, S., Romero-Canyas, R., Downey, G., **Mangels, J. A.** & Higgins, E. T. (2013) When School Fits Me: How Fit Between Self-Beliefs and Task Benefits Boosts Math Motivation and Performance. *Basic and Applied Social Psychology*, 35(5), 445-466.
34. **Mangels, J. A.**, Good, C., Whiteman, R.C., Maniscalco, B., & Dweck, C. S. (2012) Emotion blocks the path to learning under stereotype threat. *Social Cognitive and Affective Neuroscience (SCAN)*, 7(2), 230-241.
33. **Mangels, J. A.**, Manzi, A., Summerfield, C. (2010) The first does the work but the third time's the charm: The role of massed repetition in episodic encoding of face-name associations. *Journal of Cognitive Neuroscience*, 22(3), 457-473.

## Mangels, Jennifer A.

32. Joerger, T., & **Mangels, J. A\***. (2008) Neural correlates of false memory suppression by true recollection, *NeuroReport*, 19(17), 1695-8.
31. Soldan, A., **Mangels, J. A.**, & Cooper, L. A. (2008). Effects of dividing attention during encoding on perceptual priming of unfamiliar visual objects. *Memory*, 16(8), 873-95.
30. Stern, E., Wager, T., Egner, T., Hirsch, J., & **Mangels, J. A.** (2007). Preparatory neural activity predicts performance on a conflict task. *Brain Research*, 1176,92-102.
29. Lai, G., & **Mangels, J. A.** (2007). Cueing effects on semantic and perceptual categorization: ERPs reveal differential effects of validity as a function of processing stage. *Neuropsychologia*, 45, 2038-2050.
28. Summerfield, C., Egner, T., Greene, M., Koechlin, E., **Mangels, J.**, & Hirsch, J. (2006). Predictive codes for forthcoming perception in the frontal cortex. *Science*, 314 (5803), 1311-4.
27. **Mangels, J. A.**, Butterfield, B., Lamb, J., Good, C. D., & Dweck, C. S. (2006). Why do beliefs about intelligence influence learning success? A social cognitive neuroscience model. *Social Cognitive and Affective Neuroscience (SCAN)*, 1, 75-86.
26. Karantzoulis, S., Rich, J. B., & **Mangels, J. A.** (2006). Subject-Performed Tasks improve associative learning in Mild Cognitive Impairment (MCI). *Journal of the International Neuropsychological Society*, 12(4), 493-501.
25. Summerfield, C. & **Mangels, J. A.** (2006). EEG correlates of anticipatory attention predict successful episodic encoding. *Journal of Cognitive Neuroscience*, 18(7), 1120-32.
24. Horowitz, T. S., Choi, W. Y., Horvitz, J. C., Cote, L. C., & **Mangels, J. A.** (2006). Visual search deficits in Parkinson's disease are attenuated by bottom-up target salience and top-down information. *Neuropsychologia*, 44(10), 1962-1977.
23. Stern, E., & **Mangels, J. A.** (2006). Neural correlates of top-down attentional biasing during the spatial Stroop task: an event-related potential (ERP) study. *Journal of Cognitive Neuroscience*, 18(6), 1004-17.
22. Summerfield, C., Greene, M., Wager, T., Egner, T., Hirsch, J., & **Mangels, J.** (2006). Neocortical connectivity during episodic memory formation. *Public Library of Science: Biology*, 4(5), e128.  
(Commentary: "Functional Connections in the Brain Transform Experience into Memory" by L. Gross: <http://biology.plosjournals.org/perlserv/?request=get-document&doi=10.1371/journal.pbio.0040165>)
21. Soldan, A., **Mangels, J. A.**, & Cooper, L. A. (2006). Evaluating models of object-decision priming: Evidence from ERP repetition effects. *Journal of Experimental Psychology: Learning, Memory and Cognition*, 32(2), 230-248.
20. **Mangels, J. A.**, & Heinberg, A. (2006). Improved episodic integration through enactment: Implications for aging. *Journal of General Psychology*, 133(1), 37-65.
19. Summerfield, C., Egner, T., **Mangels, J.**, & Hirsch, J. (2006). Mistaking a house for a face: Neural correlates of misperception in healthy humans. *Cerebral Cortex*, 16(4), 500-508.
18. Summerfield, C. & **Mangels, J. A.** (2005). Coherent theta-band EEG activity predicts item-context binding during encoding. *NeuroImage*, 24(3), 692-703.

17. Stern, E, Horvitz, J, Cote, L, & **Mangels, J. A.** (2005). Maintenance of response readiness in patients with Parkinson's Disease: Evidence from a simple reaction time task. *Neuropsychology*, 19(1), 54-65.
16. Summefield, C. & **Mangels, J. A.** (2005). Functional coupling between frontal and parietal lobes during recognition memory. *Neuroreport*, 16(2), 117-122.
15. Mohlman, J., **Mangels, J. A.**, & Craske, M. G. (2004). The spider phobia card sorting test: An investigation of anxiety and executive functioning. *Cognition and Emotion*, 18(7), 939-960.
14. Butterfield, B., & **Mangels, J. A.** (2003). Neural correlates of error detection and correction in a semantic retrieval task. *Cognitive Brain Research*, 17, 793-817.
13. Beninger, R. J., Wasserman, J., Zanibbi, K. Charbonneau, D., **Mangels, J. A.**, & Beninger, B. V. (2003). Typical and atypical antipsychotic medications differentially affect two non-declarative memory tasks in schizophrenic patients: A double dissociation. *Schizophrenia Research*, 61(2-3), 281-92.
12. **Mangels, J. A.**, Craik, F. I. M., Schwartz, M., & Stuss, D. (2002). Chronic deficits in item and context memory following traumatic brain injury: a function of attention, strategy and injury severity. *Neuropsychologia*, 40, 2369-2385.
11. **Mangels, J. A.**, Picton, T. W., & Craik, F. I. M. (2001) Attention and successful episodic encoding: An event-related potential study. *Cognitive Brain Research*, 11(1), 77-95.
10. Cabeza, R., Anderson, N., **Mangels, J. A.**, McIntosh, A. R., Nyberg, L., Houle, S., & Tulving, E. (2000). Age-related differences in neural activity during item and temporal-order memory retrieval: A positron emission tomography study. *Journal of Cognitive Neuroscience*, 12(1), 197-206.
9. **Mangels, J. A.**, Ivry, R. B., & Shimizu, N. (1998). Dissociable contributions of the prefrontal and neocerebellar cortex to time perception. *Cognitive Brain Research*, 7(1), 15-39.
8. Cabeza, R., **Mangels, J. A.**, Nyberg, L., Habib, R., Houle, S., McIntosh, A. R., & Tulving, E. (1997). Brain regions differentially involved in remembering what and when. *Neuron*, 19, 863-870.
7. **Mangels, J. A.** (1997). Strategic processing and memory for temporal order in patients with frontal lobe lesions. *Neuropsychology*, 11(2), 207-221.
6. Knowlton, B. J., **Mangels, J. A.**, & Squire, L. R. (1996). A neostriatal habit learning system in humans. *Science*, 273, 1399-1402.
5. **Mangels, J. A.**, Gershberg, F. B., Shimamura, A. P, & Knight, R. T. (1996). Impaired retrieval from remote memory in patients with frontal lobe lesions. *Neuropsychology*, 10(1), 32-41.
4. Shimamura, A. P., Berry, J. A., **Mangels, J. A.**, Rusting, S., & Jurica, P. J. (1995). Memory and cognitive abilities in academic professors: Evidence for successful aging. *Psychological Science*, 6(5), 271-277.
3. Shimamura, A. P., Jurica, P. J., **Mangels, J. A.**, Gershberg, F. B., Knight, R. T. (1995). Susceptibility to interference in patients with frontal lobe lesions. *Journal of Cognitive Neuroscience*, 7(2), 144-152.

## **Mangels, Jennifer A.**

2. Shimamura, A. P., Gershberg, F. B., Jurica, P. J., **Mangels, J. A.**, and Knight, R. T. (1992). Intact implicit memory in patients with frontal lobe lesions. *Neuropsychologia*, *30*(10), 931-937.
1. Intraub, H., Bender, R. S., and **Mangels, J. A.** (1992). Looking at pictures but remembering scenes. *Journal of Experimental Psychology: Learning, Memory and Cognition*, *18*(1), 180-191.

### **Book Chapters**

2. Dweck, C. S., **Mangels, J. A.**, & Good, C. (2004). Motivational effects on attention, cognition and performance. In D. Y. Dai & R. J. Sternberg (Eds.), *Motivation, emotion, and cognition: Integrated perspectives on intellectual functioning*. pgs. 41-55.
1. **Mangels, J. A.**, & Ivry, R. B. (2001). Time Perception. In *The Handbook of Cognitive Neuropsychology*, B. Rapp (Ed.). Philadelphia, PA: Psychology Press. pgs. 467-494.

### **Other Publications**

3. **Mangels, J. A.** (2011). Book review of "A Hole in the Head: More Tale in the History of Neuroscience, by Charles G. Gross." *The Quarterly Review of Biology*, *86*, 352-353.
2. **Mangels, J. A.** (2001). *Dictionary of Biological Psychology*. London: Routledge Press. (wrote references for: context-dependent learning, pg. 181; interference, pg. 398-99; mnemonic, pg. 483; perceptual fluency, pg. 592; primacy effect, pg. 627; proactive interference, pg. 630; serial position effect, pg. 706).
1. **Mangels, J. A.** (1997). Cognitive science: Theory and practice. *Journal of the International Neuropsychological Society*, *3*, 299-301.