

Jason M. Scimeca

Brown University
Department of Cognitive, Linguistic, and Psychological Sciences (CLPS)
Box 1978, Brown University, Providence, RI, 02912-1978
jason_scimeca@brown.edu | 401.836.1544
<http://www.scimeca.net>

EDUCATION

Ph.D.	Brown University (Expected 2015) Cognitive Science
M.S.	Brown University (Expected 2012) Cognitive Science
B.A.	University of Chicago (2008) Biological Sciences with Specialization in Neuroscience; Psychology (with Honors)

AWARDS AND HONORS

2010	National Science Foundation Graduate Research Fellowship Honorable Mention
2007	University of Chicago College Research Opportunity Grant
2005	National Merit Scholarship Recipient

PUBLICATIONS

Journal Articles

1. Franconeri, S. L., **Scimeca, J. M.**, Roth, J. C., Helseth, S. A., & Kahn, L. E. (2012). Flexible visual processing of spatial relationships. *Cognition*.
 2. **Scimeca, J. M.**, McDonough, I. M., & Gallo, D. A. (2011). Quality trumps quantity at reducing memory errors: Implications for retrieval monitoring and mirror effects. *Journal of Memory and Language*, 65, 363-377.
 3. Cheon, B. K., Im, D., Harada, T., Kim, J., Mathur, V. A., **Scimeca, J. M.**, Parrish, T.B., Park, H., & Chiao, J. Y. (2011). Cultural influences on neural basis of intergroup empathy. *NeuroImage*, 57, 642-650.
 4. Franconeri, S. L., Jonathan, S. V., & **Scimeca, J. M.** (2010). Tracking multiple objects is limited only by object spacing, not speed, time, or capacity. *Psychological Science*, 21, 920-925.
 5. Gallo, D. A., McDonough, I. M., & **Scimeca, J.** (2010). Dissociating source memory decisions in prefrontal cortex: fMRI of diagnostic and disqualifying monitoring. *Journal of Cognitive Neuroscience*, 22, 955-969.
- **Google Scholar Citation Profile:** <http://scholar.google.com/citations?user=-Dw1o2AAAAAJ>

Forthcoming Manuscripts

1. Franconeri, S. L., Jonathan, S. V., & **Scimeca, J. M.** (under review). Maintaining selection of multiple moving objects.
2. **Scimeca, J. M.**, Jonathan, S. V., & Franconeri, S. L. (under review). Resource limitations in multiple object tracking: A reply to Holcombe and Chen.
3. Cheon, B. K., Im, D., Harada, T., Kim, J., Mathur, V. A., **Scimeca, J. M.**, Parrish, T. B., Park, H., & Chiao, J. Y. (under review). Cultural modulation of the neural correlates of empathy: The role of other-focusedness.
4. **Scimeca, J. M.** & Badre, D. (manuscript in preparation). Striatal contributions to declarative memory retrieval.

CONFERENCE PROCEEDINGS

1. Franconeri, S., **Scimeca, J.**, & Jonathan, S. (*planned May, 2012*). *Maintaining selection of multiple moving objects*. Abstract submitted to the 2012 Meeting of the Vision Sciences Society, Naples, FL.
2. **Scimeca, J. M.**, McShane, L. M., Brew, J. A., & Badre, D. (November, 2011). *Acquisition and adaptation of rule-guided retrieval strategies in memory*. Poster presented at the 41st Annual Meeting of the Society for Neuroscience, Washington, DC.
3. Franconeri, S., **Scimeca, J.**, Roth, J., & Helseth, S. (May, 2011). *Flexible visual processing of spatial relationships*. Talk delivered at the 2011 Meeting of the Vision Sciences Society, Naples, FL.
4. Levinthal, B. R., Jonathan, S., **Scimeca, J.**, & Franconeri, S. (May, 2011). *Competition limits spatial selection*. Poster presented at the 2011 Meeting of the Vision Sciences Society, Naples, FL.
5. Franconeri, S., **Scimeca, J.**, Roth, J., Kahn, L., & Helseth, S. A. (April, 2011). *Flexible visual processing of spatial relationships*. Talk delivered at the 18th Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA.
6. Cheon, B., Im, D., Harada, T., Park, J., Mathur, V., **Scimeca, J.**, Park, H., Chiao, J. (April, 2011). *The role of culture on the automaticity of empathy: The modulating influence of interdependence*. Poster presented at the 18th Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA.
7. Franconeri, S. L., Jonathan, S.V., & **Scimeca, J. M.** (November, 2009). *Tracking multiple objects is limited only by interobject crowding, and not object speed*. Talk delivered at the 50th Annual Meeting of the Psychonomic Society, Boston, MA.
8. Rotella, K., Richeson, J., **Scimeca, J.**, & Chiao, J. (October, 2009). *Neural basis of economic trust with religious ingroup and outgroup members*. Poster presented at the 39th Annual Meeting of the Society for Neuroscience, Chicago, IL.

9. Cheon, B.K., Im, D., Harada, T., Kim, J., Mathur, V. A., **Scimeca, J.**, Park, H., & Chiao, J. Y. (October, 2009). *Cultural variation in neural response within temporo-parietal junction during intergroup empathy*. Talk delivered at the 39th Annual Meeting of the Society for Neuroscience, Chicago, IL.
10. Mathur, V.A., Harada, T., Cheon, B.K., **Scimeca, J.**, & Chiao, J.Y. (March, 2009). *Empathic neural response to living things as a function of agency and experience*. Poster presented at the 16th Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA.
11. Cheon, B.K., Im, D., Harada, T., Mathur, V.A., **Scimeca, J.**, Park, H., & Chiao, J.Y. (March, 2009). *Universal and culturally-specific neural basis of ingroup bias in empathy*. Poster presented at the 16th Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA.
12. Gallo, D. A., McDonough, I. M., & **Scimeca, J. M.**[†] (April, 2008). *Prefrontal Regions Differentially Contribute to Source Monitoring Processes*. Poster presented at the 15th Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA. ([†] Presenting author)

MISCELLANEOUS RESEARCH

1. **Scimeca, J. M.**, Franconeri, S. L., & Jonathan, S. V. (October, 2010). *Tracking multiple objects is limited only by object spacing, not by speed, time, or capacity*. Talk presented at the inaugural meeting of the Brown CLPS Cognition Seminar, Providence, RI.
2. **Scimeca, J. M.** (2008). *Quality and Quantity: Differential Contributions to Recognition Memory*. University of Chicago Undergraduate Honors Thesis.
3. **Scimeca, J. M.** (May, 2008). *Quality and Quantity: Contributions to Recognition Memory*. Poster presented at the 2008 University of Chicago Undergraduate Psychology Honors Symposium, Chicago, IL.

OTHER EDUCATION, TRAINING, AND CERTIFICATION

2011-2012	Brown University – Sheridan Center for Teaching and Learning Sheridan Teaching Seminar – Certificate I Program (<i>ongoing</i>)
2009	Northwestern University School of Continuing Studies

PROFESSIONAL MEMBERSHIPS

- Association for Psychological Science
- Cognitive Neuroscience Society
- Society for Neuroscience

UNIVERSITY SERVICE

Cognition Seminar Series Coordinator, CLPS Department, June 2011-Present

- Coordinate external and internal speakers for the CLPS Cognition Seminar Series

Graduate Student Representative, CLPS Department, May 2011-Present

- Graduate student liaison to CLPS Department faculty and the Brown Graduate Student Council

Brown Alzheimer's Activists, Secretary, September 2010-Present

- Raise awareness of Alzheimer's Disease on Brown campus and throughout Rhode Island through campus lectures and other educational events
- Fundraise and volunteer in Providence to support local Alzheimer's Disease related healthcare centers

University of Chicago Alumni Schools Committee, Member, June 2009-Present

- Interview and provide information to prospective undergraduate students

Alpha Phi Omega – National Co-ed Service Fraternity, Member, December 2004-January 2008

- Performed a variety of service across University of Chicago campus, Hyde Park neighborhood, and Chicago

RELEVANT SKILLS

- Skilled in operating SIEMENS Trio 3T MRI Scanner, Bio-Semi EEG equipment, and SR-Research Eyelink II eye-tracking equipment
- Programming/Scripting Languages: MATLAB; bash
- Stimuli Presentation Packages: Psychtoolbox; Experiment Builder; Presentation; Psyscope
- MRI/EEG Analysis Packages: SPM; Marsbar; EEGLab; some AFNI & Freesurfer
- Statistics Software: SPSS; some Stata

RESEARCH POSITIONS

Graduate Student, Brown University (August 2010-Present)

Advisor: David Badre (Cognitive Control and Memory Laboratory)

- Studying cognitive control of learning and memory, the role of rule-based and strategic processes in higher-level cognition, the organization of the frontal lobe, and executive function
- Using fMRI and computational models to study the role of frontostriatal circuits in learning and rule-guided memory retrieval

Lab Manager, Northwestern University (September 2008-August 2010)

Advisor: Joan Y. Chiao (Social Affective and Cultural Neuroscience Laboratory)

Advisor: Steven L. Franconeri (Visual Attention and Cognition Laboratory)

- Coordinated the research activities of over 20 undergraduate research assistants
- Used EEG, fMRI, eye-tracking, and behavioral methods to study the mechanisms of visual spatial relationship judgments, multifocal attention, and the influence of culture on empathy

Research Assistant, University of Chicago (April 2007-August 2008)

Advisor: David A. Gallo (Memory Research Laboratory)

- Investigated the neural basis of episodic memory monitoring processes

Student Technician, University of Chicago (October 2006-August 2008)

University of Chicago Medical Center – Center for Parkinson’s Disease and Movement Disorders

- Performed lab and clinical procedures in clinical studies of Cervical Dystonia, Huntington’s, and Parkinson’s patients

Research Assistant, Wayne State University School of Medicine (June 2006-September 2006)

Advisor: Manuel Tancer (Brain Research And Imaging Neuroscience Division, Detroit, MI)

- Used fMRI to study affective processing in bipolar patients

Updated December 2011