

Curriculum Vitae

Joel Robert Quamme

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Grand Valley State University
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EDUCATION

June 2004

Ph.D., Psychology, University of California, Davis, CA.

Dissertation: *The role of unitization in the representation of associations in human memory*

December 2000

M.A., Psychology, University of California, Davis, CA.

May 1997

B.A., Psychology, Jamestown College, Jamestown, ND

Thesis: *Independence of context reinstatement and serial position effects in recall*

EMPLOYMENT

August 2014 – Present

Associate Professor, Department of Psychology, Grand Valley State University, Allendale, MI

August 2008 – July, 2014

Assistant Professor, Department of Psychology, Grand Valley State University, Allendale, MI

August 2004 – July 2008

Post-Doctoral Research Associate, Department of Psychology, Princeton University, NJ

Supervisor: Kenneth A. Norman, Ph.D.

August 1997 – July 1998

Lecturer, Department of Psychology, Jamestown College, Jamestown, ND

RESEARCH INTERESTS

Cognitive and neural mechanisms underlying human memory

Retrieval and decision processes in recognition

Memory Disorders

Neuroimaging correlates of memory and cognition

Multivariate Modeling Methods

TEACHING INTERESTS

Human Memory

Cognitive Psychology

Cognitive Neuroscience

Introductory Psychology

Research Methods and Statistics

PUBLICATIONS

- Migo, E. M.*, Quamme, J. R.*, Holmes, S., Bendell, A., Norman, K. A., Mayes, A. R., & Montaldi, D. (2014). Individual differences in forced-choice recognition memory: Partitioning contributions of recollection and familiarity. *Quarterly Journal of experimental Psychology*, 67(11), 2189-2206. doi: 10.1080/17470218.2014.910240 [*co-first authors, alphabetical order]
- Quamme, J. R., Weiss, D. J., & Norman, K. A. (2010). Listening for recollection: a Multivoxel Pattern analysis of recognition memory retrieval strategies. *Frontiers in Human Neuroscience*, 4, 61. doi: 10.3389/fnhum.2010.00061
- Norman, K. A., Quamme, J. R., & Newman, E. (2009). Multivariate methods for tracking cognitive states. In F. Röstler, C. Ranganath, B. Röder, R. H. Kluwe. (Eds). *Neuroimaging of Human Memory: Linking cognitive processes to neural systems*. New York: Oxford University Press. 299-329.
- Migo, E., Montaldi, D., Norman, K. A., Quamme, J., & Mayes, A. (2009). The contribution of familiarity to recognition memory is a function of test format when using similar foils. *Quarterly Journal of Experimental Psychology*, 62, 1198-1215.
- Vann, S. D., Tsivilis, D., Denby, C. E., Quamme, J. R., Yonelinas, A. P., Aggleton, J. P., Montaldi, D., & Mayes, A. R. (2009). Impaired recollection but spared familiarity in patients with extended hippocampal system damage: convergence across three methods. *Proceedings of the National Academy of Sciences*, 106, 5442-5447.
- Haskins, A., Yonelinas, A. P., Quamme, J. R., & Ranganath, C. (2008). Perirhinal cortex supports encoding and familiarity-based recognition of novel associations. *Neuron*, 59, 554-560.
- Quamme, J. R., Yonelinas, A. P., & Norman, K. A. (2007). Effect of unitization on associative Recognition in amnesia. *Hippocampus*, 17, 192-200.
- Quamme, J. R., Yonelinas, A. P. & Kroll, N. E. A. (2006). Unpacking explicit memory: Separating recollection and familiarity. In H. Zimmer, A. Mecklinger & U. Lindenberger (Eds.) *Binding in Human Memory: A Neurocognitive Approach*. Oxford University Press. 445-466.
- Yonelinas, A. P. Quamme, J. R., Widaman, K. F., Kroll, N. E. A., & Knight, R. T. (2004). Mild hypoxia disrupts recollection, not familiarity: Reply to Wixted and Squire. *Cognitive, Affective, and Behavioral Neuroscience*, 4, 379-386.
- Quamme, J. R., Yonelinas, A. P., Widaman, K. F., Kroll N. E. A., & Sauvé, M. J. (2004). Recall and recognition in mild hypoxia: Using covariance structural modeling to test competing theories of explicit memory. *Neuropsychologia*, 42, 672-691.
- Quamme, J. R., Fredrick, C., Kroll N. E. A., Yonelinas, A. P., Dobbins, I. (2002). Recognition memory for source and occurrence: The importance of recollection. *Memory and Cognition*, 30, 893-907
- Yonelinas, A. P., Kroll, N. E. A., Quamme, J. R., Lazzara, M. L., Widaman, K. F., Sauvé, M. J., & Knight, R. T. (2002). Differential effects of extensive medial-temporal lobe damage or mild hypoxia on recollection and familiarity. *Nature Neuroscience*, 5, 1236-1241.

MANUSCRIPTS IN PREPARATION

- Quamme, J. R. Verbal Context and the word-frequency effect in associative recognition (Under revision)
- Quamme, J.R., Kurby, C., & Marks, L. *Event boundaries and associative recognition for narrative details*. (In preparation)

CONFERENCE PRESENTATIONS

- Poyer, A., & Quamme, J. R. (2020, November) *Effects of Source Similarity and Reporting Demands on Inadvertent Plagiarism*. Poster session presented at the Annual Meeting of the Psychonomic Society, Virtual Meeting
- Quamme, J. R., Kurby, C. A., & Marks, L. R (2018, November) *Event boundaries and recognition memory for associative information in narrative text*. Poster session presented at the Annual Meeting of the Psychonomic Society, New Orleans, LA.
- Quamme, J. R., Marks, L. R., & Kurby, C. A. (2015, November). *Event segmentation and associative recognition for narrative details*. Poster session presented at the Annual Meeting of the Psychonomic Society, Chicago, IL.
- Kurby, C. A., Quamme, J. R. & Marks, L. R. (2014, August), *Associative memory for story information is modulated by the perception of event boundaries*. Poster session presented at the Annual Meeting of the Society for Text and Discourse, Chicago, IL.
- Quamme, J. R., Migo, E., Holmes, S., Bendell, A., Norman, K. A., Mayes, A. R. & Montaldi, D. (2014, April). *Individual differences in older adults' forced-choice recognition memory: Partitioning contributions of recollection and familiarity*. Poster session presented at the Annual Meeting of the Cognitive Neuroscience Society, Boston, MA.
- Quamme, J. R., Tremble, L., & Rhodes, J. (2011, November). *Unitization and the word-frequency effect in recognition*. Poster session presented at the Annual Meeting of the Psychonomic Society, Seattle, WA.
- Quamme, J. R., Weiss, D. J., & Norman, K. A. (2008, April) *Pattern classification of recognition memory states in fMRI*, Poster session presented at the Annual Meeting of the Cognitive Neuroscience society, San Francisco, CA.
- Quamme, J. R., Weiss, D. J., & Norman, K. A. (2007, November). *Pattern classification of fMRI retrieval states during recognition memory*. Poster session presented at the Annual Meeting of the Psychonomic Society, Long Beach, CA.
- Haskins, A. L., Yonelinas, A. P., Quamme, J. R., & Ranganath, C. (2007, May). *Perirhinal cortex supports familiarity-based associated recognition of unitized pairs*. Poster session presented at the Annual Meeting of the Cognitive Neuroscience Society, New York, NY.
- Quamme, J. R., & Norman, K.A. (2006, October). *Using fMRI pattern classification of recollection and familiarity to predict false alarms in recognition memory*. Poster session presented at the Annual Meeting of the Society for Neuroscience, Atlanta, GA.

- Quamme, J. R. (2006, September). *fMRI pattern classification of recognition memory processes*. Paper presented at the meeting of the Memory Disorders Research Society, Toronto, ON.
- Quamme, J. R., Yonelinas, A. P., & Norman, K. A. (2005, November). *Preserved Associative Recognition in Amnesia is jointly related to Unitization and Familiarity*. Poster session presented at the Society for Neuroscience Meeting, Washington, DC.
- Quamme, J. R. (2005, October). *When does familiarity support associative recognition in amnesia?* Paper presented at the meeting of the Memory Disorders Research Society, Tucson, AZ.
- Quamme, J. R., & Yonelinas (2005, April). *Associative Recognition in Amnesia: the Role of Unitization*. Poster session presented at the meeting of the Cognitive Neuroscience Society, New York, NY.
- Yonelinas, A. P., & Quamme, J. R. (2003, November). *What do recognition ROCs tell us about recollection and familiarity?* Paper presented at the meeting of the Psychonomic Society, Vancouver, BC.
- Yonelinas, A. P., & Quamme, J. R. (2003, October). *The relationship(s) between recollection and familiarity*. Paper presented at the meeting of the Memory Disorders Research Society, Chicago, IL.
- Quamme, J. R., Yonelinas, A. P., Widaman, K. F., Kroll, N. E. A., & Sauve, M. J. (2003, September). *Recall and recognition in mild hypoxia: Using covariance structural modeling to test competing theories of explicit memory*. Paper presented at the meeting of the Society of Multivariate Experimental Psychology, Keystone, CO.
- Yonelinas, A. P., Kroll, N. E. A., Quamme, J. R., Lazzara, M.M., Sauve, M.J., Widaman, K.F., & Knight, R.T. (2002, July). *The Neuroanatomy of Remembering*. Paper presented at the meeting of the Cognitive Science Association for Interdisciplinary Learning, Hood River, OR.
- Yonelinas, A. P., Kroll, N. E. A., Lazzarra, M., & Quamme, J. R. (2002, April) *Two distinct forms of explicit memory supported by separate temporal lobe regions*. Invited address presented at symposium on neural and cognitive bases of recognition memory, meeting of the Cognitive Neuroscience society, San Francisco, CA.
- Quamme, J. R. & Yonelinas, A. P. (2001, November) *A role for familiarity in associative recognition*. Poster session presented at the meeting of the Psychonomic Society, Orlando, FL.
- Quamme J. R., Widaman, K. F., Yonelinas, A. P, Kroll, N. E. A., & Sauve, M. J. (2000, April). *Covariance structure modeling of recall and recognition in hypoxic individuals*. Poster session presented at the meeting of the Cognitive Neuroscience Society, San Francisco, CA.
- Quamme, J. R. (1998, April). *Independence of context reinstatement and serial position effects in recall*. Poster session presented at the meeting of the Midwestern Psychological Association, Chicago, IL.
- Quamme, J. & Cone, A. L. (1997, March). *Bloopers, Bunkerisms and Mixed Metaphors: A factor analytic study*. Poster session presented at the annual meeting of the Southeastern Psychological Association, Atlanta, GA.

Quamme, J. & Cone, A. L. (1995, April). *The radiating religious halo effect: A methodological study*. Poster session presented at the annual Red River Psychology Conference, Moorhead, MN.

COMMUNITY AND PUBLIC PRESENTATIONS

Quamme, J. (May, 2016) *Psychology And The Brain*. Presentation for grades 6, 7, and 8, Dickinson Academy, Grand Rapids. MI

Quamme, J. (July, 2012) *Understand And Strengthen Your Memory*. GRReads program, Grand Rapids Public Library, MI

COURSES TAUGHT

Grand Valley State University (2008- present):

PSY 370 Cognitive Neuroscience

PSY 365 Cognition

PSY 300 Research Methods

PSY 101 Introductory Psychology

University of California, Davis (2001-2004):

PSY 1 Introductory Psychology

Jamestown College (1996-1998):

PSY 101 Introductory Psychology

PSY 105 Introduction to Statistics

PSY 105 Computer Applications in Statistics

PSY 300 Learning and Cognition Laboratory

PSY 302 Experimental Psychology Laboratory

PROFESSIONAL AFFILIATIONS

Association for Psychological Science

Cognitive Neuroscience Society

Psychonomic Society

AWARDS AND HONORS

Cermak Travel Award, Memory Disorders Research Society, 2006 (\$500)

Block Grant, Department of Psychology, UC Davis, 8/99-6/00

Magna Cum Laude, Jamestown College, 5/97

Psi Chi Regional Research Award (Quamme & Cone, 1997)

Psychology Achievement Award, Jamestown College, 1996-7 year

Psychology Achievement Award, Jamestown College, 1995-6 year

College Fellow in Psychology, Jamestown College, appointed 4/96

Psi Chi, National Honor Society in Psychology, Jamestown College chapter, 1/95

Dean's list, Jamestown College, 1995 – 1997

ACADEMIC SERVICE

GVSU, 8/08 – present

Psychology Voyage Team, 2025-present
 Psychology AI task force, 2025-present
 Psychology Department Research committee, 2009–17, 2018-20, 2021-22 (Chair 2011-14; 2015-16; 2025-present)
 University Academic Senate (UAS; Elected), 2024- present
 Affiliate Faculty Search, Psychology Department, 2023-2024
 Psychology Department Personnel Committee, 2016-18, 2021-23 (Elected; Chair 2017-18, 2022-23)
 MCAT test prep course – Psychology section, 2020-2022
 CLAS Curriculum Committee, 2016-2022 (Elected)
 Psychology Department Advisory Committee, 2015-16, 2010-11, 2018-2020 (Elected)
 Laboratory Assistant Search, Psychology Department, 2015, 2018
 Faculty Search, Behavioral Neuroscience area, 2013-14
 Academic Module, Transitions Fall Orientation Program, 2013
 Interviewer, Scholarships of Distinction, 2013
 Faculty Search, Behavioral Neuroscience area, 2012-13
 Older Adult subject pool development group; Psychology Department; 2010-11
 Developmental Peer-review of Teaching, Working Group, Psychology Department, Winter, 2010
 Student Visitation Day Representative, Psychology Department, Winter 2010
 Faculty meeting recorder, Psychology Department, Fall 2008 – Winter 2009

UC- Davis, 10/98-6/04

Student member of faculty search committee, position in Cognitive Psychology, 10/02-12/02
 Coordinator, Perception-Cognition Seminar series, 10/00-6/01
 Student reviewer, psychology graduate admissions, Cognitive area, 10/00 – 12/00

Jamestown College, 10/96-5/97

Student member of faculty search committee, position in Social Psychology, 10/96 – 4/97

PROFESSIONAL SERVICE

Ad-hoc reviewer, peer-reviewed journals

Addiction; Behavior Research Methods; Brain & Cognition; Cognition; Cognitive Psychology; Discourse Processes; European Journal of Cognitive Psychology; Experimental Psychology; Hippocampus; Journal of Cognitive Neuroscience; Journal of Experimental Psychology: Learning, Memory & Cognition; Journal of Memory and Language; Memory; Memory and Cognition; NeuroImage; Neuropsychologia; Psychological Medicine; Psychonomic Bulletin and Review; Quarterly Journal of Experimental Psychology

Ad-hoc reviewer, grant proposals

National Science Foundation, USA (BCS division, Cognitive Neuroscience Program)
 Wellcome Trust, UK (Programme Grant, Neuroscience and Mental Health area)
 German Israeli Foundation (GIF) for Scientific Research and Development, Israel