

Curriculum Vitae **Thomas W. James**

Department of Psychological and Brain Sciences
Indiana University

Contact information

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Education

2001 PhD in Neuroscience, the University of Western Ontario,
 Thesis title: “fMRI response characteristics of object-processing brain regions”
 Advisor: Prof. M.A. Goodale
1996 MS in Neuroscience, the University of Western Ontario,
 Thesis title: “Factors influencing sex differences in object location memory”
 Advisor: Prof. D. Kimura
1992 BS in Psychology, the University of Western Ontario,
 Thesis title: “The effect of single- versus dual-parenting on gender-roles”
 Advisor: Prof. W. Roberts

University Experience

2007- Research Fellow, Kinsey Institute for Research in Sex, Gender and Reproduction
2004- Assistant professor, Psychological and Brain Sciences, Indiana University
2004- Assistant professor, Program in Neuroscience, Indiana University
2004- Assistant professor, Cognitive Science Program, Indiana University
2001-04 Postdoctoral fellow, Isabel Gauthier, Vanderbilt University
1996-97 Research assistant, Dept. of Psychology, UWO
1996-97 Statistics consultant, Dept. of Psychology, UWO
1994-95 Neuropsychology research assistant, Dept. of Psychology, UWO
1993-94 Visiting graduate student, Dept. of Psychological Science, Purdue University

Teaching Experience

2007- Introduction to Psychological and Brain Sciences – undergraduate course
2005- Neuroimaging: Theory and Methods – graduate course
2005- Laboratory in Neuroimaging Methods and Statistics – undergraduate lab course
2004-2006 Introductory Psychology I for Majors – undergraduate course
2004 Neuroimaging Methods and Statistics – undergraduate/graduate course

Research Interests

Object recognition
Functional neuroimaging
Multisensory integration
Visual, haptic and auditory perception
Priming and adaptation

Fellowships, Awards and Honors

2008 Vanderbilt University -- The Randolph Blake Early Career Award
2007 Human Brain Mapping Editors' Choice Award (2006)
2001-04 Canadian Institutes of Health Research -- Post Doctoral Fellowship
2001 the University of Western Ontario -- Neuroscience PhD Dissertation Award
2000 Southern Ontario Neuroscience Association --Presentation Award
1997-2001 Medical Research Council of Canada -- Studentship (PhD)
1994-2001 the University of Western Ontario -- Special University Scholarship
1992 the University of Western Ontario -- BS with Dean's Honour List

Professional Organizations and Memberships

1996-2004 Canadian Society for Brain, Behaviour and Cognitive Science
1996-2003 Human Behavior and Evolution Society
1999-2000 Association for Research in Vision and Ophthalmology
2000-2003 American Psychological Society
2002-2003 Cognitive Neuroscience Society
2004- Society for Neuroscience
1998- Organization for Human Brain Mapping
2004- Vision Sciences Society

Departmental, College and University Service

2008- Chair, IU IRF Finance committee
2007- Spokesperson, Cognitive Neuroscience area (PBS)
2007- Chair, IU IRF Safety committee
2006- Member, IU IRF Personnel committee
2005- Member, IU Imaging Research Facility operations committee
2004- Coordinator, Indiana University Neuroimaging Group
2007 Member, IU IRF Finance committee
2007 Chair, Indiana Neuroimaging Symposium planning committee
2004 Member, Brain imaging facilities and planning committee
2003 Coordinator, Vanderbilt Vision Research Center fMRI journal club
2000-2001 Coordinator, Roberts Research Institute fMRI journal club
1997-1998 Coordinator, Object/word recognition discussion group (UWO)

Editorial Service

Ad Hoc referee for:

Journals: Behavior Research Methods; BioMed Central; Brain; Brain and Cognition; Brain Research; Canadian Journal of Experimental Psychology; Consciousness and Cognition; Current Biology; European Journal of Cognitive Psychology; Experimental Brain Research; Human Brain Mapping; Journal of Experimental Psychology: General; Journal of Experimental Psychology: Human Performance and Perception; Journal of Neurophysiology; The Journal of Neuroscience; Neuroinformatics; NeuroImage; Neuropsychologia; Neuron; NeuroReport; Neuroscience; Neuroscience Letters; Memory and Cognition; Perception; Physiology and Behavior; Psychonomic Bulletin & Review; Trends in Cognitive Sciences; Vision Research

Granting Agencies:

United States-Israel Binational Science Foundation
National Science and Engineering Research Council of Canada (NSERC)
National Science Foundation (NSF)

Trainees

Honors Thesis Students

2008- Daniel Eylath – Psychology major
2009- Ross VanderKlok – Neuroscience major
2007-2009 Sharada Subramanian – Psychology major
2005-2008 Eunji Huh – Psychology major (neuroscience certificate)

Graduate Students

2005- Ryan A. Stevenson – PBS / PNS
2005- Sunah Kim - Cognitive Science / PNS
2008- Lindsay Dacheille – PBS
2005-2007 Lin-Yu Wang – PBS

Postdoctoral Fellows / Research Scientists

2006- Heather Rupp – Kinsey Institute
2005-2006 Brian S. Marks – Speech, hearing and sensory communication training grant
2006-2007 Todd Gureckis – Mathematical Modeling training grant

Ongoing Research Support

National Institutes of Health R01 MH057717-08
“Perceptual processes Evidence and Configurality”
(consultant; PI: Townsend)
09/01/2009-08/31/2009;

National Institutes of Health R21 MH082925
“Assessing the influence of oxytocin on postpartum depression using brain imaging”
(co-PI 20% effort; PI: Rupp)
01/01/2009-12/30/2010; \$250,000 total direct costs

National Institutes of Health T32 DC00012
“Training in speech, hearing and sensory communication”
(core faculty; PI: Pisoni)
07/01/2009-06/30/2013;

Indiana University, Faculty Research Support Program
“The influence of learning on audio-visual integration”
(PI: James)
07/01/2009-6/30/2010; \$50,443 total direct costs

Pending Research Support

National Institutes of Health R21 MH083960
“Neuroimaging evidence for accumulation models of object recognition”
(PI: James) (under review)
01/01/2010-12/30/2011; \$275,000 total direct costs

National Institutes of Health T32
“Research training in clinical science”
(core faculty; PI: Viken) (under review)
01/07/2009-30/06/2013; \$1,855,083 total direct costs

Completed Research Support

Indiana University, Faculty Research Support Program
“Rapid prototyping for cognitive neuroscience research”
(co-PI; PI: Craig)
01/01/2007-10/30/2008; \$94,596 total direct costs

Manuscripts in preparation or submitted for peer review

James, T.W., VanDerKlok, R.M., Kim, S., & Stevenson, R.A. (in prep). Metamodal auditory shape processing in the occipito-temporal cortex. *Cognitive, Affective, and Behavioral Neuroscience*.

James, T.W., VanDerKlok, R.M., Stevenson, R.A., & Kim, S. (in prep). Multisensory convergence in occipito-temporal cortex with audio-visual tool stimuli. *Neuropsychologia*.

Lee, S., Lang, A., Kim, S., Stevenson, R.A., & **James, T.W.** (in prep). Neural effects of exposure to emotional faces in media content.

Stevenson, R.A., VanDerKlok, R.M., Kim, S., & **James, T.W.** (in prep). Temporal synchrony and perceptual fusion of audiovisual speech. *Experimental Brain Research*.

Kim, S., & **James, T.W.** (in prep). Pathways of haptic object processing. In M. Hertenstein & S. Weiss (Eds.), *The Handbook of Touch*. New York: Springer.

Schneider, B.L., Wyatte, D.R., Harman-James, K., **James, T.W.**, & Busey, T.A. (in prep). The use of visual noise to elicit face-like expertise effects in fingerprint examiners.

Gureckis, T.M., **James, T.W.**, & Nosofsky, R.M. (submitted). Reevaluating dissociations between implicit and explicit category learning: An event-related fMRI study. *Journal of Cognitive Neuroscience*.

James, T.W., Huh, E., & Kim, S. (under review). Temporal and spatial integration of face, object, and scene features in occipito-temporal cortex. *Brain and Cognition*.

James, T.W., & Stevenson, R.A. (under review). The use of fMRI to assess multisensory integration during speech and object recognition. In M. Wallace & M. Murray (Eds.), *Frontiers in the neural bases of multisensory processes*. London: Taylor and Francis Group.

Stevenson, R.A., Altieri, N.A., Kim, S., Pisoni, D.B., James, T.W. (under revision). Neural processing of asynchronous audiovisual speech perception. *NeuroImage*.

Stevenson, R.A., Stevenson, L.D., Rupp, H.A., Kim, S., Janssen, E., & **James, T.W.** (under revision). Incorporating emotions specific to sexual response into the basic and dimensional theories of emotion using the Indiana Sexual Affective Word Set (ISAWS). *Archives of Sexual Behavior*.

James, T.W., & Kim, S. (under revision). Dorsal and ventral cortical pathways for visuo-haptic integration revealed using fMRI. In M.J. Naumer & J. Kaiser (Eds.), *Multisensory object perception in the primate brain*. New York: Springer.

Journal articles, proceedings, and book chapters

In press

Kim, S., & **James, T.W.** (in press). Enhanced effectiveness in visual-haptic object-selective brain regions with increasing stimulus salience. *Human Brain Mapping*.

James, T.W., & Cree, G. (in press). Perceptual and conceptual interactions in object recognition and expertise. In D. Bub, M.J. Tarr, & I. Gauthier (Eds.), *Perceptual Expertise: Bridging Brain and Behavior*. New York: Oxford University Press.

2009

James, T.W., Stevenson, R.A., Kim, S. (2009). Assessing multisensory integration with additive-factors and functional MRI. *Proceedings of the International Society for Psychophysics 25th Annual Meeting*.

Rupp, H.A., **James, T.W.**, Ketterson, E.D., Sengelaub, D.R., Janssen, E., & Heiman, J.R. (2009). The role of the anterior cingulate cortex in women's sexual decision making. *Neuroscience Letters*, 449, 42-47.

Rupp, H.A., **James, T.W.**, Ketterson, E.D., Sengelaub, D.R., Janssen, E., & Heiman, J.R. (2009). Neural activation in women in response to masculinized male faces: mediation by hormones and psychosexual factors. *Evolution and Human Behavior*, 30, 1-10.

Rupp, H.A., **James, T.W.**, Ketterson, E.D., Sengelaub, D.R., Janssen, E., & Heiman, J.R. (2009). Neural activation in the orbitofrontal cortex in response to male faces increases during the follicular phase. *Hormones and Behavior*, 56, 66-72.

Stevenson, R.A., Kim, S., & **James, T.W.** (2009). An additive-factors design to disambiguate neuronal and areal convergence: Measuring multisensory interactions between audio, visual, and haptic sensory streams using fMRI. *Experimental Brain Research*, 198, 183-194.

Stevenson, R.A., & **James, T.W.** (2009). Audiovisual integration in human superior temporal sulcus: Inverse effectiveness and the neural processing of speech and object recognition. *NeuroImage*, 44, 1210-1223.

Wong, A.C.-N., Jobard, G., James, K.H., **James, T.W.**, & Gauthier, I. (2009). Expertise with characters in alphabetic and non-alphabetic writing systems engage the same occipito-temporal area. *Cognitive Neuropsychology*, *26*, 111-127.

2008

Stevenson, R.A., & **James, T.W.** (2008). Affective auditory stimuli: Characterization of International Digitized Sounds (IADS) by discrete emotional categories. *Behavior Research Methods*, *40*, 315-321.

2007

James, T.W., Kim, S., & Fisher, J.S. (2007). The neural basis of haptic object processing. *Canadian Journal of Experimental Psychology*, *61*, 219-229.

Stevenson, R.A., Mikels, J.A., & **James, T.W.** (2007). Characterization of affective norms for English words by discrete emotional categories. *Behavior Research Methods*, *39*, 1020-1024.

Stevenson, R.A., Geoghegan, M.L., & **James, T.W.** (2007). Superadditive BOLD response in superior temporal sulcus with threshold non-speech objects. *Experimental Brain Research*, *179*, 85-95.

2006

James, T.W., Servos, P., Kilgour, A.R., Huh, E., & Lederman, S. (2006). The influence of familiarity on brain activation during haptic exploration of 3-D facemasks. *Neuroscience Letters*, *397*, 269-273.

James, T.W., & Gauthier, I. (2006). Repetition-induced changes in BOLD response reflect accumulation of neural activity. *Human Brain Mapping*, *27*, 37-46.

2005

James, T.W., James, K.H., Humphrey, G.K., & Goodale, M.A. (2005). Do visual and tactile object representations share the same neural substrate? In M.A. Heller and S. Ballesteros (Eds.), *Touch and Blindness: Psychology and Neuroscience*. Mahwah, NJ: Lawrence Erlbaum.

James, T.W., Shima, D.L., Tarr, M.J., & Gauthier, I. (2005). Generating complex three-dimensional stimuli (Greebles) for haptic expertise training. *Behavior Research Methods*, *37*, 353-358

James, K.H., **James, T.W.**, Jobard, G., Wong, A.C.-N., & Gauthier, I. (2005). Letter processing in the visual system: different activation patterns for single letters and strings. *Cognitive, Affective and Behavioral Neuroscience*, *5*, 452-466.

Kilgour, A.R., Kitada, R., Servos, P., **James, T.W.**, & Lederman, S. (2005). Haptic face identification activates occipito-temporal areas: an fMRI study. *Brain and Cognition*, *59*, 246-257.

2004

Blake, R., Sobel, K.S., & **James, T.W.** (2004). Neural synergy between kinetic vision and touch. *Psychological Science*, *15*, 397-402.

James, T.W., & Blake, R. (2004). Perceiving object motion using vision and touch. *Cognitive, Affective and Behavioral Neuroscience*, *4*, 201-207.

James, T.W., & Gauthier, I. (2004). Brain areas engaged during visual judgments by involuntary access to novel semantic information. *Vision Research*, *44*, 429-439.

Up to 2003

- Gauthier, I., **James, T.W.**, Curby, K.M., & Tarr, M.J. (2003). The influence of conceptual knowledge on visual discriminations. *Cognitive Neuropsychology*, *20*, 507-523.
- James, T.W.**, & Gauthier, I. (2003). Auditory and action semantic features activate sensory-specific perceptual brain regions. *Current Biology*, *13*, 1792-1796.
- James, T.W.**, Culham, J.C., Humphrey, G.K., Milner, A.D., & Goodale, M.A. (2003). Ventral occipital lesions impair object recognition but not object-directed grasping: A fMRI study. *Brain*, *126*, 2463-2475.
- James, T.W.**, Humphrey, G.K., Gati, J.S., Menon, R.S., & Goodale, M.A. (2002). Differential effects of viewpoint on object-driven activation in dorsal and ventral streams. *Neuron*, *35*, 793-801.
- James, T.W.**, Humphrey, G.K., Gati, J.S., Servos, P., Menon, R.S., & Goodale, M.A. (2002). Haptic study of three-dimensional objects activates extrastriate visual areas. *Neuropsychologia*, *40*, 1706-1714.
- James, T.W.**, Humphrey, G.K., Gati, J.S., Menon, R.S., & Goodale, M.A. (2000). The effects of visual object priming on brain activation before and after recognition. *Current Biology*, *10*, 1017-1024.
- Wilkinson, F., **James, T.W.**, Wilson, H., Gati, J.S., Menon, R.S., & Goodale, M.A. (2000). Radial and concentric gratings selectively activate human extrastriate form areas: an fMRI study. *Current Biology*, *10*, 1455-1458.
- Humphrey, G.K., **James, T.W.**, Gati, J.S., Menon, R.S., & Goodale, M.A. (1999). Perception of the McCollough effect correlates with activity in extrastriate cortex: A functional MRI study. *Psychological Science*, *10*, 444-448.
- James, T.W.**, Humphrey, G.K., Gati, J.S., Menon, R.S., & Goodale, M.A. (1999). Repetition priming and the time course of object recognition: An fMRI study. *Neuroreport*, *10*, 1019-1023.
- James, T.W.** & Kimura, D. (1997). Sex differences in remembering the locations of objects in an array: Location shift versus location exchange. *Evolution and Human Behavior*, *18*, 155-164.

Invited Symposia, Colloquia, and Seminars

- James, T.W.** (2009). Assessing multisensory integration with additive-factors and functional MRI. *Advances in Multi-modal Sensory Psychophysics* symposium at the *International Society for Psychophysics 25th Annual Meeting*, Galway Bay, Ireland.
- James, T.W.** (2009). fMRI of Agnosia Reveals Visual Pathways for Action and Perception, Department of Psychology, DePauw University, Greencastle, USA.
- James, T.W.** (2009). Neural substrates of visual-haptic object recognition, Department of Psychological Sciences, Vanderbilt University, Nashville, USA.
- James, T.W.** (2008). Assessing A/V multisensory integration using BOLD fMRI, *Current Perspectives in Multisensory Processing* symposium at the annual meeting of *Theoretical and Experimental Neuropsychology (TENNET)*, Waterloo, Canada.
- James, T.W.** (2007). Neural substrates of haptic object recognition, Department of Psychology, Dalhousie University, Halifax, Canada.
- James, T.W.** (2006). fMRI studies of object perception with visual agnosia, Department of Psychology, Miami University of Ohio, Oxford, USA.

- James, T.W.** (2006). Neural mechanisms of haptic face and object recognition. Department of Psychology, Miami University of Ohio, Oxford, USA.
- James, T.W.** (2005). Hierarchical processing of visual form and surface properties revealed by fMRI. School of Optometry, Indiana University, Bloomington, USA.
- James, T.W.**, & Gauthier, I. (2004). Experience induced changes in the timecourse of brain activation. *Computational Neuroimaging: Adaptation and Priming*, University of Minnesota, USA
- James, T.W.** (2004). Neural mechanisms of object recognition. Department of Psychology, Dalhousie University, Halifax, Canada.
- James, T.W.** (2004). Neural mechanisms of object recognition. Department of Cognitive and Linguistic Sciences, Brown University, Providence, USA.
- James, T.W.** (2004). Neural mechanisms of object recognition. Department of Psychology, Atkinson Faculty, York University, Toronto, Canada.
- James, T.W.** (2004). Neural mechanisms of object recognition. Department of Psychology, Indiana University, Bloomington, USA.
- Goodale, M.A., **James, T.W.**, Culham, J.C., Humphrey, G.K., & Milner, A.D. (2003). fMRI studies of action and perception pathways in the brain of an individual with visual form agnosia. Twenty-sixth Annual meeting of the *European Conference on Visual Perception*, Paris, France.
- Culham, J.C., **James, T.W.**, Steeves, J.E., Humphrey, G.K., Milner, A.D., & Goodale, M.A. (2003). fMRI investigations of spared visual abilities in a patient with visual form agnosia. *Meeting of the International Neuropsychological Symposium*, Mondello, Sicily.
- James, T.W.** (2002). Techniques for analyzing functional MRI datasets. *Brain Sciences Program Workshop: fMRI Methods*, Brown University, Providence, USA
- James, T.W.** (2002). fMRI response characteristics of object-processing brain regions. Department of Psychology, University of Toronto, Toronto, Canada.
- James, T.W.** (2000). The use of functional MRI in psychological research. Department of Psychology Department, the University of Western Ontario, London, Canada.
- James, T.W.** (1999). Imaging the damaged brain. *Citywide Neuropsychology Rounds*, London, Canada.

Contributed and Competitive Abstracts

2009

- James, T.W.**, Huh, E., & Kim, S. (2009). The fusiform face area is recruited more for sequential than holistic processing: an aperture viewing study. *Ninth Annual meeting of the Vision Sciences Society*, Sarasota, USA.
- Kim, S., Eylath, D., Stevenson, R.A., & **James, T.W.** (2009). Neuronal convergence of visual and somatosensory shape processing in both ventral and dorsal streams. Society for Neuroscience, 39th Annual Meeting, Chicago, USA.
- Kim, S., Eylath, D., Stevenson, R.A., Scott, A.T., & **James, T.W.** (2009). Inverse effectiveness in the left but not right lateral occipital cortex during visuo-haptic object categorization. *Tenth Annual International Multisensory Research Forum*, New York, USA.
- Rupp, H.A., **James, T.W.**, Ketterson, E.D., Sengelaub, D.R., Janssen, E., & Heiman, J.R. (2009). Menstrual cycle influences on women's attention and neural response to potential sexual partners. Annual meeting of the *Society for the Scientific Study of Sexuality*.

- Rupp, H.A., **James, T.W.**, Ketterson, E.D., Sengelaub, D.R., Janssen, E., & Heiman, J.R. (2009). Hormonal influences on women's neural responses and attention during sexual decision-making. Annual meeting of the *Society for Behavioral Neuroscience*.
- Stevenson, R.A., VanDerKlok, R.M., Kim, S., & **James, T.W.** (2009). Different neural networks underlie temporal asynchrony and semantic incongruity effects in audiovisual speech. Society for Neuroscience, 39th Annual Meeting, Chicago, USA.
- Stevenson, R.A., Altieri, N.A., Kim, S., Pisoni, D.B., & **James, T.W.** (2009) Different neural networks underlie temporal synchrony and stimulus saliency effects with audiovisual speech. *Aging and Speech Communication: An International and Interdisciplinary Research Conference*. Bloomington, USA.
- Stevenson, R.A., Kim, S., & **James, T.W.** (2009). Investigating viable criteria to assess neuronal convergence with BOLD fMRI. *Tenth Annual International Mutisensory Research Forum*, New York, USA.
- Stevenson, R.A., VanDerKlok, R.M., Kim, S., & **James, T.W.** (2009). Distinct BOLD responses with perceived synchronous and asynchronous audiovisual speech in multisensory STS. *Ninth Annual meeting of the Vision Sciences Society*, Sarasota, USA.

2008

- Huh, E., Kim, S., & **James, T.W.** (2008). The influence of sequential integration on brain activation in the left anterior fusiform gyrus. Second annual meeting of the *Indiana Neuroimaging Symposium*, Indianapolis, USA.
- Kim, S., Eylath, D., Stevenson, R.A., & **James, T.W.** (2008). Different neural characteristics between ventral and dorsal pathways in visuo-haptic object shape processing. Second annual meeting of the *Indiana Neuroimaging Symposium*, Indianapolis, USA.
- Kim, S., Eylath, D., Stevenson, R.A., & **James, T.W.** (2008). Evidence for ventral and dorsal neural pathways for visuo-haptic object recognition. Ninth *International Mutisensory Research Forum*, Hamburg, Germany.
- Lee, S., Kim, S., Stevenson, R.A., **James, T.W.**, & Lang, A. (2008). Neural effects of exposure to emotional faces: human and human-like animal cartoons versus human and animal pictures. Annual meeting of the *Society for Psychophysiological Research*, Austin, USA.
- Lee, S., Kim, S., Stevenson, R.A., **James, T.W.**, & Lang, A. (2008). Neural effects of exposure to emotional faces: human and human-like animal cartoons versus human and animal pictures. Second annual meeting of the *Indiana Neuroimaging Symposium*, Indianapolis, USA.
- Rupp, H.A., **James, T.W.**, Ketterson, E.D., Sengelaub, D.R., Janssen, E., & Heiman, J.R. (2008). Women's neural activation in response to potential sexual partners changes across the menstrual cycle. Annual meeting of the *Society for Psychophysiological Research*, Austin, USA.
- Rupp, H.A., **James, T.W.**, Ketterson, E.D., Sengelaub, D.R., Janssen, E., & Heiman, J.R. (2008). Women's neural activation in response to masculinized versus feminized male faces: mediation by hormones and psychosexual factors. Second annual meeting of the *Indiana Neuroimaging Symposium*, Indianapolis, USA.
- Stevenson, R.A., Altieri, N.A., Kim, S., & **James, T.W.** (2008). Effects of temporal synchrony on the neural processing of speech. Second annual meeting of the *Indiana Neuroimaging Symposium*, Indianapolis, USA.
- Stevenson, R.A., Altieri, N.A., Kim, S., & **James, T.W.** (2008). Anatomically and functionally distinct regions within multisensory superior temporal sulcus differentially integrate temporally-asynchronous speech. Ninth *International Mutisensory Research Forum*, Hamburg, Germany.

2007

- Krishnan, G., Marks, B.S., **James, T.W.**, & Cheng, H. (2007). A comparison of latency measurement techniques in functional MRI. *Fourth Annual Conference of the Organization for Human Brain Mapping*, Chicago, USA
- Rupp, H.A., **James, T.W.**, Ketterson, E.D., Sengelaub, D.R., Janssen, E., & Heiman, J.R. (2007). Menstrual cycle and partner risk modulate patterns of neural activation in women in response to photos of male faces. *The Society for Neuroscience*, 37th annual meeting, San Diego, USA.
- Rupp, H.A., **James, T.W.**, Ketterson, E.D., Sengelaub, D.R., Janssen, E., & Heiman, J.R. (2007). Menstrual cycle and partner risk modulate patterns of neural activation in women in response to photos of male faces. Annual meeting of the *International Academy of Sex Research*, Vancouver, Canada.
- Rupp, H.A., **James, T.W.**, Ketterson, E.D., Sengelaub, D.R., & Heiman, J.R. (2007). Menstrual cycle phase modulates women's neural activation patterns in response to photos of male faces. Annual meeting of the *Society for Behavioral Neuroendocrinology*, Pacific Grove, USA.
- Stevenson, R.A., Geoghegan, M.L., & **James, T.W.** (2007). Degrading audio-visual stimuli inversely affects superadditive multisensory enhancement in the BOLD signal. *Fourth Annual Conference of the Organization for Human Brain Mapping*, Chicago, USA

2006

- James, T.W.**, Kilgour, A.R., Servos, P., Kitada, R., Huh, E., & Lederman, S.J. (2006). Haptic exploration of facemasks recruits left fusiform gyrus. *Sixth Annual meeting of the Vision Sciences Society*, Sarasota, USA

2005

- Wong, A.C.-N., Jobard, G., **James, T.W.**, James, K.H., & Gauthier, I. (2005). Experience-associated neural selectivity to single characters. *Eleventh Annual Conference of the Organization for Human Brain Mapping*, Toronto, Canada.

2004

- James, T.W.**, & Gauthier, I. (2004). Backward masking reveals greater fMRI activation with primed objects. *Fourth Annual meeting of the Vision Sciences Society*, Sarasota, USA
- James, K.H., Martelli, M., **James, T.W.**, Pelli, D.G. & Gauthier, I. (2004). fMRI Reveals the Role of the Left Anterior Fusiform Gyrus in Letter Detection and Identification. *Fourth Annual meeting of the Vision Sciences Society*, Sarasota, USA.
- Kilgour, A.R., Servos, P., **James, T.W.**, & Lederman, S.J. (2004). Functional MRI of haptic face recognition. *Thirteenth Annual Rotman Research Institute Conference*, Toronto, Canada.

Up to 2003

- James, T.W.**, & Gauthier, I. (2003). fMRI Studies of Multi-Modal Semantic Knowledge using Artificial Concepts. *Third Annual meeting of the Vision Sciences Society*, Sarasota, USA
- Goodale, M.A., **James, T.W.**, Culham, J.C., Humphrey, G.K., & Milner, A.D. (2003). FMRI confirmation of a neurological dissociation between perceiving objects and grasping them. *Third Annual meeting of the Vision Sciences Society*, Sarasota, USA

- James, T.W.**, Sobel, K.V., & Blake, R. (2003). Human MT+ and the resolution of visual structure from motion by tactile perception. *Fourth annual meeting of the International Multisensory Research Forum*, Hamilton, Canada.
- Sobel, K.V., **James, T.W.**, & Blake, R. (2003). Tactile perception facilitates resolution of visual conflict. *Third Annual meeting of the Vision Sciences Society*, Sarasota, USA
- James, T.W.**, Humphrey, G.K., Gati, J.S., Menon, R.S., & Goodale, M.A. (2002). View Invariance in the Dorsal but not the Ventral Visual Stream Revealed using fMRI. *Second Annual meeting of the Vision Sciences Society*, Sarasota, USA
- James, T.W.**, Humphrey, G.K., Gati, J.S., Servos, P., Menon, R.S., & Goodale, M.A. (2001). Visual and haptic object priming have similar effects on activation in extra-striate cortex. *First Annual meeting of the Vision Sciences Society*, Sarasota, USA
- James, T.W.**, Humphrey, G.K., Gati, J.S., Menon, R.S., & Goodale, M.A. (2000). The Effects of Attention and Priming on Behavioural Performance and Brain Activation During Visual Object Recognition. *The Southern Ontario Neuroscience Association 20th Annual Meeting*, London, Canada.
- James, T.W.**, Humphrey, G.K., Gati, J.S., Menon, R.S., & Goodale, M.A. (2000). A new look at visual object priming and brain activation. *Southern Ontario Neuropsychology Group*, London, Canada.
- James, T.W.**, Humphrey, G.K., Gati, J.S., Menon, R.S., & Goodale, M.A. (1999). The fMRI Response in the Occipitotemporal and Parietal Cortex During Object Recognition. *The Society for Neuroscience 29th Annual Meeting*, Miami, USA
- James, T.W.**, Wilkinson, F., Wilson, H.R., Gati, J.S., Menon, R.S., & Goodale, M.A. (1999). fMRI Activation in Fusiform Face Area is Greater to Concentric than to Radial Displays. *The Association for Research in Vision and Ophthalmology Annual Meeting*, Fort Lauderdale, USA
- James, T.W.**, Humphrey, G.K., Gati, J.S., Menon, R.S., & Goodale, M.A. (1999). Activation of High-Level Visual Areas During the Recognition of Primed Stimuli. *The Association for the Scientific Study of Consciousness 3rd Annual Conference*, London, Canada.
- James, T.W.**, Humphrey, G.K., Gati, J.S., Menon, R.S., & Goodale, M.A. (1998). The McCollough Effect Produces Increased fMRI Signal in the Fusiform and Lingual Gyri. *Fourth Annual Conference of the Organization for Human Brain Mapping*, Montreal, Canada.
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