

## **Russell Alan Epstein**

Department of Psychology  
University of Pennsylvania  
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### **EDUCATION/TRAINING**

- 1991 B.A., Physics, University of Chicago
- 1996 Ph.D., Applied Mathematics, Harvard University  
Specialization in computer vision  
Dissertation: "Learning object representations from grayscale images."  
Advisor: Alan L. Yuille
- 1996-99 Postdoctoral Fellow, Department of Psychology, Harvard University and Department of Brain and Cognitive Sciences, MIT  
Advisor: Nancy Kanwisher

### **EMPLOYMENT**

- 1999-2001 Research Scientist, Medical Research Council Cognition & Brain Sciences Unit, Cambridge, UK
- 2002-08 Assistant Professor, Department of Psychology, University of Pennsylvania
- 2008- Associate Professor, Department of Psychology, University of Pennsylvania

### **HONORS AND FELLOWSHIPS**

- 1996-99 National Research Service Award (Postdoctoral Fellowship)
- 1991-94 National Science and Engineering Graduate Fellowship
- 1991 National Science Foundation Graduate Fellowship (declined)
- 1991 Phi Beta Kappa

### **GRANTS**

NSF, SBE-0541957. "Spatial intelligence and learning center." 2006-2011. Co-Investigator, Member of Leadership Group, and head of U. Penn component. (\$19,500,000 total direct costs; \$602,452 total U Penn direct costs; PI: Nora S. Newcombe).

NIH/NEI, R01 EY016464. "Place representations in the human visual system." 2006-2011. Principal Investigator. (\$1,125,000 total direct costs)

Whitehall Foundation, 2004-05-99-APL. "Place Learning in the Human Cortex." 2004-2007. Principal Investigator. (\$190,875 total direct costs).

University of Pennsylvania Research Foundation. "Location and Orientation Codes in the Human Brain." 2004. Principal Investigator. (\$15,000 total direct costs)

Alzheimers Research Trust (UK). "The functional contribution of medial temporal lobe memory regions to profiles of memory impairments in dementia: An interdisciplinary project using neuropsychological and neuroimaging methodologies." Collaborative Investigator. (PI: Kim S. Graham)

NIH, National Research Service Award F32 MH011459. "Repetition Blindness and Location Codes." 1997-1999. Principal Investigator (\$74,900 total direct costs).

## PROFESSIONAL ACTIVITIES

*Member:* Society for Neuroscience, Vision Sciences Society

*Ad-hoc reviewer:* Brain & Language, Brain Research, Cerebral Cortex, Consciousness & Cognition, Current Biology, Developmental Psychology, European Journal of Neuroscience, Experimental Brain Research, Hippocampus, Journal of Cognitive Neuroscience, Journal of Experimental Psychology: General, Journal of Neurology Neurosurgery and Psychiatry, Journal of Neurophysiology, Journal of Neuroscience, Journal of Vision, Nature Neuroscience, Neuroimage, Neuron, Neuropsychologia, Perception, Perception & Psychophysics, Proceedings National Academy of Sciences, Trends in Neuroscience, Vision Research, Visual Cognition

*Ad-hoc grant reviewer:* National Science Foundation, National Institutes of Health (ad-hoc committee), Wellcome Trust UK

*Program Committee:* Cognitive Science Society (2011)

*Invited talks:*

Cognitive Sciences Society Symposium, Boston MA (July 2011)  
Cognitive Science Colloquium, University of Indiana (April 2011)  
MIT Scene Understanding Symposium (SUNs, January 2011)  
The Science of the Arts, Brain Sciences Institute, Johns Hopkins University (Oct. 2010)  
Association for Psychological Sciences, Boston MA (May 2010)  
NSF Conference on Spatial Learning, Harvard University (May 2010)  
Dept. of Psychology, University of Illinois, Urbana-Champaign (April 2010)  
Dept. of Brain & Cognitive Sciences, MIT (March 2010)  
Visual Attention Seminar, Brigham & Women's Hospital, Cambridge MA (Feb. 2010)  
Dept. of Psychology, Cognition Brain & Behavior Colloquium, Harvard University (Feb. 2010)  
Department of Psychological and Brain Sciences, Johns Hopkins University (Nov. 2009)  
International Conference on Vision in 3-D Environments, York University (June 2009)  
Department of Psychology, Northwestern University (Jan. 2009)  
Neuroscience of Social Decision Making, Princeton University (Oct. 2008)  
Philoctetes Center for the Multidisciplinary Study of Imagination, New York (May 2008)  
Center for Cognitive Science, Rutgers University (March 2008).  
Horizons of Vision Research Conference, California State University Long Beach (March 2008).  
Dept of Psychology, Rice University (Nov. 2007)  
Vision Lab, Dept. of Psychology, Harvard University (Sept. 2007)  
Dept. of Neuroscience, Brown University (Sept. 2007)  
Dept. of Brain & Cognitive Sciences, MIT (Sept. 2007)  
Vision Sciences Society Symposium, Sarasota FL (May 2007)  
MIT Scene Understanding Symposium (SuNS; February 2007).  
Academy of Neuroscience for Architecture: 5th Annual Workshop, Washington DC (Nov. 2006)  
fMRI Users Group, NYU (Nov. 2006)  
Dept. of Psychology, University of Delaware (Oct. 2006)  
Dept. of Psychology, West Chester University (April 2006)

Dept. of Psychology, Yale University (Sept. 2005)  
Academy of Neuroscience for Architecture: 3rd Annual Workshop, Woods Hole MA (August 2005)  
Dept. of Psychology, University of Western Ontario (March 2005)  
Society for Neuroscience Minisymposium, San Diego CA (Nov. 2004)  
Dept. of Psychology, Vanderbilt University (Oct. 2004)  
Dept. of Psychology, Princeton University (March 2004)  
Dept. of Psychology, McGill University (March 2001)  
Center for Neuroscience, UC Davis (Feb. 2001)  
Dept. of Psychology, Stanford University (Feb. 2001)  
Dept. of Psychology, University of Chicago (Feb. 2001)  
Dept. of Psychology, University of Pennsylvania (Jan. 2001)  
Dept. of Psychology, UCLA (Feb. 2000)  
Wellcome Dept. of Cognitive Neurology, University College London (Jan. 2000)  
School of Psychology, University of Wales, Bangor U.K. (Nov. 1999)  
Dept. of Psychology, Dartmouth College (Feb. 1999)  
Smith-Kettlewell Eye Research Institute, San Francisco, CA. (Dec. 1997)

## ACADEMIC SERVICE

2011-12	Penn Academic Senate
2002-03, 06-07, 10-11	Graduate Admissions Committee (Psychology)
2008-09, 10-11	Graduate Admissions Committee (Neuroscience)
2008-10	MRI Physicist Search Committee (Radiology)
2008-09	Clinical Search Committee (Psychology)
2008	Honors Thesis Examiner (Swarthmore College)
2008	Colloquium Committee (Neuroscience)
2008, 10	Organizing Committee, Behavioral and Cognitive Neuroscience Retreat
2008	Recruitment Advisory Committee (School of Medicine)
2007	Imaging Symposium Organizing Committee (Arts and Sciences)
2003-05	Computing Czar (Center for Cognitive Neuroscience)
2002-03	Colloquium Committee (Psychology)
2002-03	Perception Search Committee (Psychology)
2002-03	Penn Reading Project Committee (Arts and Sciences)

## TEACHING/MENTORING

### *Undergraduate Courses*

Psych 149: Cognitive Neuroscience (S05, S06, S07, S08, F08, F10, S12)  
Psych 349: Research Experience in Cognitive Neuroscience (F03, F04)  
Psych 249/459: Visual Cognition (S04, F04, S09)  
Psych 449: Cognitive Neuroscience of Consciousness (S11)

### *Graduate Courses*

Psych 600: Cognitive Neuroscience Proseminar (S06, F07, F09, F10, F11, S12)  
Psych 630: Cognitive Neuroscience of Memory Proseminar (S04)  
Psych 745: fMRI Data Analysis Seminar (F05, S09)  
Psych 751: Special Topics in Cognition: Spatial Cognition (S08)

### *Lecturer*

IRCS Summer Workshop in Cognitive Science (03, 06, 07, 08, 09, 11)  
 Psych 442: Neurobiology of Learning and Memory (Fall 08)  
 INSC 573: Core III Systems and Integrative Neuroscience (Spring 09)

*Postdoctoral Fellows*

2011-	Steven Marchette
2009-2011	Seth Bouvier
2008-2011	Victor Schinazi
2006-2009	Sean MacEvoy

*Graduate Students*

2011	Marcelo Mattar (Psychology rotation student)
2010-	Teresa Pegors (Psychology)
2009-	Lindsay Morgan (Neuroscience)
2008-2009	Vanessa Troiani (Neuroscience rotation student)
2004-2005	Matt McCabe (Psychology)

*Graduate student thesis committee member:*

2010-present	Vanessa Troiani (Neuroscience)
2010-present	David Kahn (Neuroscience, Chair)
2009-present	Marc Coutanche (Psychology, Chair)
2008-present	Thomas Lee (Psychology)
2008-present	Michael Bonner (Neuroscience)
2008-2009	Kartik Sreenivasan (Neuroscience)
2007-present	Elizabeth Smith (Psychology, Chair)
2003-2009	Elaine Wencil (Psychology; Chair)
2003-2007	Prin Amorapanth (Neuroscience)
2003-2007	Robyn Oliver (Psychology)

*Graduate student preliminary examination committee member:*

2011	Marcelo Mattar (Psychology)
2011	Christine Boland (Psychology)
2011	Isaac Schamberg (Psychology)
2010	David Kahn (Neuroscience)
2008	Nina Hsu (Neuroscience)
2008	Michael Bonner (Neuroscience)
2006	Joshua Jacobs (Neuroscience)
2006	Kartik Sreenivasan (Neuroscience)
2005	Daniel Drucker (Psychology)
2004	Athena Atkipis (Psychology)
2003	Bei Xiao (Neuroscience)

*Undergraduate Independent Study Students*

2008-9	Calypso Montouchet (Visual Studies; Senior Thesis)
2007-8	Ross Avila (Psychology; Senior Thesis)
2007-8	Gisela Garrett (Visual Studies; Senior Thesis)
2004-6	Whitney Parker (Biological Basis of Behavior; Senior Honors Thesis) (Eliot Stellar award for most outstanding honors thesis presentation by a BBB major)

2005-6	Santiago Tenorio (Visual Studies; Senior Thesis)
2005-6	Carlos Ferrer (Visual Studies; Senior Thesis)
2004-5	Karen Jablonski (Biological Basis of Behavior; Senior Honors Thesis)
2003	David Pendorff (Cognitive Science; Independent Study)

## PUBLICATIONS

### *Peer-Reviewed Journal Articles*

- MacEvoy, S.P. & **Epstein, R.A.** (2011). Constructing scenes from objects in human occipitotemporal cortex. *Nature Neuroscience*, in press.
- Morgan, L.K., MacEvoy, S.P., Aguirre, G.K. & **Epstein, R.A.** (2011). Distances between real-world locations are represented in the human hippocampus. *Journal of Neuroscience*, 31, 1238-1245.
- Ward, E.J., MacEvoy, S.P. & **Epstein, R.A.** (2010). Eye-centered encoding of visual space in scene-selective regions. *Journal of Vision*, 10 (14),6.
- Schinazi, V.R. & **Epstein, R.A.** (2010). Neural correlates of real-world route learning. *Neuroimage* 53, 725-735.
- Epstein, R.A.** & Ward, E.J. (2010). How reliable are visual context effects in parahippocampal cortex? *Cerebral Cortex*, 20: 943-7.
- MacEvoy, S.P. & **Epstein, R.A.** (2009). Decoding the representation of multiple simultaneous objects in human occipitotemporal cortex. *Current Biology*, 19, 943-947.
- Epstein, R. A.** (2008). Parahippocampal and retrosplenial contributions to human spatial navigation. *Trends in Cognitive Science*, 12, 388-396.
- Epstein, R.A.**, Parker, W.E. & Feiler, A.M. (2008). Two kinds of fMRI repetition suppression? Evidence for dissociable neural mechanisms. *Journal of Neurophysiology*, 99: 2877-2886.
- Dove, A., Manly, T., **Epstein, R.** & Owen, A.M. (2008). The engagement of mid-ventrolateral prefrontal cortex and posterior brain regions in intentional cognitive activity. *Human Brain Mapping*, 29: 107-119.
- Macevoy, S.P. & **Epstein, R.A.** (2007). Position selectivity in scene- and object-responsive occipitotemporal regions. *Journal of Neurophysiology*, 98: 2089-2098.
- Epstein, R.A.**, Parker, W.E. & Feiler, A.M. (2007). Where am I now? Distinct roles for parahippocampal and retrosplenial cortices in place recognition. *Journal of Neuroscience*, 27: 6141-6149.
- Epstein, R.A.**, Higgins, J.S. Jablonski, K., & Feiler, A. (2007). Visual scene processing in familiar and unfamiliar environments. *Journal of Neurophysiology*, 97: 3670-3683.
- Epstein, R.A.** & Higgins, J.S. (2007). Differential parahippocampal and retrosplenial involvement in three types of visual scene recognition. *Cerebral Cortex*, 17: 1680-1693.

- Hon, N., **Epstein, R.A.**, Owen, A.M. & Duncan, J. (2006). Frontoparietal activity with minimal decision and control. *Journal of Neuroscience*, 26: 9805-9809.
- Epstein, R.A.**, Higgins, J.S., Parker, W., Aguirre, G.K. & Cooperman, S. (2006). Cortical correlates of face and scene inversion: A comparison. *Neuropsychologia*, 44: 1145-1158.
- Gauthier, I., Curby, K.M., Skudlarski, P. & **Epstein, R.A.** (2005). Individual differences in FFA activity suggest independent processing at different spatial scales. *Cognitive, Affective & Behavioral Neuroscience*, 5: 222-234.
- Epstein, R.A.** (2005). The cortical basis of visual scene processing. *Visual Cognition*, 12: 954-978.
- Lee, A.C.H., Bussey, T.J., Murray, E.A., Saksida, L.M., **Epstein, R.A.**, Kapur, N., Hodges, J.R. & Graham, K.S. (2005). Perceptual deficits in amnesia: challenging the medial temporal lobe 'mnemonic' view. *Neuropsychologia*, 43: 1-11.
- Epstein, R.A.**, Higgins, J.S. & Thompson-Schill, S.L. (2005). Learning places from views: Variation in scene processing as a function of experience and navigational ability. *Journal of Cognitive Neuroscience*, 17: 73-83.
- Epstein, R.** (2004). Art, consciousness, and the brain: Lessons from Marcel Proust. *Consciousness & Cognition*, 13: 213-240.
- Epstein, R.**, Graham, K.S. & Downing, P.E. (2003). Viewpoint-specific scene representations in human parahippocampal cortex. *Neuron*, 37: 865-876.
- Epstein, R.**, DeYoe, E.A., Press, D.Z., Rosen, A.C. & Kanwisher, N. (2001). Neuropsychological evidence for a topographical learning mechanism in parahippocampal cortex. *Cognitive Neuropsychology*, 18: 481-508.
- Epstein, R.** (2000). The neural-cognitive basis of the Jamesian stream of thought. *Consciousness & Cognition*, 9: 550-575. [Response to commentary on this article: **Epstein, R.** (2000). Substantive thoughts about substantive thoughts: A reply to Galin. *Consciousness & Cognition*, 9: 584-590.]
- Yuille, A.L., Snow, D., **Epstein, R.** & Belhumeur, P.N. (1999). Determining generative models of objects under varying illumination: Shape and albedo from multiple images using SVD and integrability. *International Journal of Computer Vision*, 35: 203-222.
- Epstein, R.** & Kanwisher, N. (1999). Repetition Blindness for locations: Evidence for automatic spatial coding in an RSVP task. *Journal of Experimental Psychology: Human Perception and Performance*, 25: 1855-1866.
- Epstein, R.**, Harris, A., Stanley, D. & Kanwisher, N. (1999). The parahippocampal place area: Recognition, navigation, or encoding? *Neuron*, 23: 115-125.
- Epstein, R.** & Kanwisher, N. (1998). A cortical representation of the local visual environment. *Nature*, 392: 598-601.

*Peer-Reviewed Conference Proceedings Articles*

- Epstein, R.**, Yuille, A.L. & Belhumeur, P.N. (1996). Learning object representations from lighting variations. In *Object Representation in Computer Vision II: ECCV 96 International Workshop*, J. Ponce, A. Zisserman & M. Hebert, eds. Springer Lecture Notes in Computer Science, 179-199.
- Epstein, R.**, Hallinan, P.W. & Yuille, A.L. (1995). 5±2 eigenimages suffice: An empirical investigation of low-dimensional lighting models. In *Proceedings of the IEEE Workshop on Physics-Based Modeling in Computer Vision*, 108.
- Epstein, R.** & Yuille, A.L. (1994). Training a general purpose deformable template. In *Proceedings of the First IEEE Conference on Image Processing, Vol. 1*. Austin, TX: IEEE Society Press, 203-207.

*Book Chapters and Non-Peer Reviewed Articles*

- Epstein, R.A.** (2011). Cognitive Neuroscience: Scene Layout from Vision and Touch. *Current Biology* 21(11), R437-R438.
- Epstein, R.A.** & MacEvoy, S.P. (in press). Making a scene in the brain. In L. Harris & M. Jenkin (Eds.), *Vision in 3d Environments*. Cambridge: Cambridge University Press.
- Farah, M.J. & **Epstein, R.A.** (in press). Disorders of visual-spatial perception and cognition. In K.M. Heilman & E. Valenstein (Eds.), *Clinical Neuropsychology, 5<sup>th</sup> Edition*. Oxford: Oxford University Press.
- Kanwisher, N., Downing, P., **Epstein, R.**, & Kourtzi, Z. (2001). Functional Neuroimaging of Human Visual Recognition. In R. Cabeza and A. Kingstone (Eds.), *The Handbook on Functional Neuroimaging*, pp. 109-152. Cambridge MA: MIT Press.
- Owen, A.M., **Epstein, R.** & Johnsrude, I.S. (2001). fMRI: Applications to Cognitive Neuroscience. In P. Jezzard, P.M. Matthews and S.M. Smith (Eds.), *Functional Magnetic Resonance Imaging of the Brain: Methods for Neuroscience*, pp. 311-327. Oxford: Oxford University Press.

*Popular Press Articles*

- Sukel, K. & **Epstein, R.** (2007). Building for the shattered mind: Partnering brain science and architecture. *Cerebrum: The Dana Forum on Brain Sciences*. Published online.

**ABSTRACTS/CONFERENCE PRESENTATIONS**

- Bouvier, S.E. & **Epstein, R.A.** (2011). Early vs. late components of category selectivity in the parahippocampal place area: A rapid acquisition fMRI study. May 2011: Vision Sciences Society, Naples, FL.
- Morgan, L.K., Aguirre, G.K. & **Epstein, R.A.** (2011). Neural coding of location and facing direction on a familiar college campus. May 2011: Vision Sciences Society, Naples, FL.

- Stigliani, A., MacEvoy, S.P. & **Epstein, R.A.** (2011). Diagnostic Objects Facilitate Scene Categorization. May 2011: Vision Sciences Society, Naples, FL.
- Pegors, T. & **Epstein, R.A.** (2011). Sensitivity to the aesthetic value of scenes in the parahippocampal place area. May 2011: Vision Sciences Society, Naples, FL.
- Kraemer, D.J., Schinazi, V.R., Cankwell, P.B., **Epstein, R.A.** & Thompson-Schill, S.L. (2011). Individual Differences in Spatial Navigation: The Influence of Cognitive Styles. April 2011: Cognitive Neuroscience Society, San Francisco, CA.
- Kraemer, D.J., Schinazi, V.R., Cankwell, P.B., **Epstein, R.A.** & Thompson-Schill, S.L. (2010). Individual Differences in Spatial Navigation: The Influence of Cognitive Styles. Nov 2010: Psychonomics Society, St. Louis MO.
- Bouvier, S. & **Epstein, R.** (2010). Early vs. late components of category selectivity in the parahippocampal place area: A rapid acquisition fMRI study. Nov 2010: Society for Neuroscience, San Diego CA.
- MacEvoy, S.P. & **Epstein, R.A.** (2010). Neural construction of scenes from objects in human occipitotemporal cortex. Nov 2010: Society for Neuroscience, San Diego CA.
- Pegors, T. & **Epstein, R.A.** (2010). Neural coding of scene affordance. May 2010: Vision Sciences Society, Naples, FL.
- Morgan, L.K., MacEvoy, S.P., Aguirre, G.K. & **Epstein, R.A.** (2010). Adaptation for landmark identity and landmark location on a familiar college campus. May 2010, Vision Sciences Society, Naples, FL.
- Schinazi, V.R., **Epstein, R.A.**, Nardi, D., Newcombe, N. & Shipley, T. (2009). The acquisition of spatial knowledge in an unfamiliar campus environment. Nov. 2009, Psychonomics Society, Boston MA.
- Morgan, L.K., MacEvoy, S.P., Aguirre, G.K. & **Epstein, R.A.** (2009). Decoding scene categories and individual landmarks from cortical response patterns. Oct 2009, Society for Neuroscience, Chicago IL.
- MacEvoy, S.P. & **Epstein, R.A.** (2009). Building scenes from objects: A distributed pattern perspective. Oct 2009, Society for Neuroscience, Chicago IL.
- Smith, M.E. & **Epstein, R.A.** (2009). Posterior parahippocampal cortex responds to placeness but not context. Oct 2009, Society for Neuroscience, Chicago IL.
- Troiani, V. & **Epstein, R.A.** (2009). One parahippocampal mechanism or two? Overlap between place and context effects assessed with multi-voxel pattern analysis. Oct 2009, Society for Neuroscience, Chicago IL.
- MacEvoy, S.P. & **Epstein, R.A.** (2009). The sum of its parts? Decoding the representation of multiple simultaneous stimuli in human object-selective cortex. May 2009, Vision Sciences Society, Naples FL.

- Epstein, R.A.**, Smith, M.E. & Ward, E.J. (2009). What is the function of the parahippocampal place area? Testing the context hypothesis. May 2009, Vision Sciences Society, Naples FL.
- Schinazi, V.R. & **Epstein, R.A.** (2009). Learning a real-world route: A functional magnetic resonance imaging (fMRI) study. March 2009, Association of American Geographers, Las Vegas NV.
- Macevoy, S.P. & **Epstein, R.A.** (2008). The sum of its parts? Decoding the representation of multiple simultaneous stimuli in human object-selective cortex. Nov 2008, Society for Neuroscience, Washington DC.
- Schinazi, V. & **Epstein, R.A.** (2008). Memory for route direction in real-world navigation. Nov 2008, Society for Neuroscience, Washington DC.
- Epstein, R.A.** & Ward, E.J. (2008). How reliable are "context" effects in the parahippocampal place area? Nov 2008, Society for Neuroscience, Washington DC.
- Ward, E.J., Parker, W.E., Feiler, A.M. & **Epstein, R.A.** (2008). Adaptation for individual places but not for place categories in scene-selective cortical regions. May 2008, Vision Sciences Society, Naples FL.
- Macevoy, S.P. & **Epstein, R.A.** (2007). Position selectivity in human scene- and object-responsive occipitotemporal regions. Oct. 2007, Society for Neuroscience, San Diego CA.
- Feiler, A., **Epstein, R.A.** & Aguirre, G.K. (2007). The map in the brain: Distributed cortical representations of large-scale space. May 2007, Vision Sciences Society, Sarasota FL.
- Parker, W., Higgins, J.S., Feiler, A. & **Epstein, R.A.** (2007). Two kinds of fMRI repetition suppression? May 2007, Vision Sciences Society, Sarasota FL.
- Macevoy, S. & **Epstein, R.A.** (2007). Position-invariant fMRI adaptation effects in scene-selective regions. May 2007, Vision Sciences Society, Sarasota FL.
- Epstein, R.A.**, Parker, W. & Feiler, A. (2006). Where is this place? Distinct roles for parahippocampal and retrosplenial cortices in topographical memory retrieval. Oct. 2006, Society for Neuroscience, Atlanta GA.
- Epstein, R.A.** & Higgins, J.S. (2006). Parahippocampal and retrosplenial involvement in two kinds of scene recognition. May 2006, Vision Sciences Society, Sarasota FL.
- Epstein, R.A.** & Higgins, J.S. (2005). Where is it? What is it? What's going on? Neural correlates of three different scene recognition tasks. Nov. 2005, Society for Neuroscience, Washington DC.
- Epstein, R.A.**, Higgins, J.S. & Jablonski, K. (2005). Scene processing in familiar and unfamiliar environments. April 2005, Cognitive Neuroscience Society, New York.
- Hon, N., Duncan, J., **Epstein, R.** & Owen, A. (2004). On the role of the frontoparietal network: Attention, task, or awareness? June 2004, Organization of Human Brain Mapping, Budapest.
- Epstein, R.** & Higgins, J.S. (2004). Moving forward, moving left, and spinning in place: An fMRI study of spatial transformations of the body. May 2004, Vision Sciences Society, Sarasota FL.

- Higgins, J.S. & **Epstein, R.** (2004). Moving forward, moving left, and spinning in place: An fMRI study of spatial transformations of the body. April 2004, Cognitive Neuroscience Society, San Francisco CA.
- Lee, A.C.H., Buckley, M.J., **Epstein, R.**, Gaffan, D., Hodges, J.R., & Graham, K.S. (2003). The role of human perirhinal cortex in visual perception. *Society for Neuroscience Abstracts*, 29.
- Thompson-Schill, S. L., Higgins, J. S., & **Epstein, R.** (2003). Individual differences in navigational ability predict viewpoint-specific priming in parahippocampal cortex. *Society for Neuroscience Abstracts*, 29.
- Epstein, R.**, Thompson-Schill, & S. L., Higgins, J. S. (2003). Viewpoint-specific and viewpoint-invariant scene priming in parahippocampal cortex. *Society for Neuroscience Abstracts*, 29.
- Epstein, R.**, Hon, N. & Duncan, J. (2003). Neural signature of consciously-perceived visual events. May 2003, Vision Sciences Society, Sarasota FL.
- Gauthier, I. & **Epstein, R.** (2002). Spatial frequency channels in the human FFA. June 2002, Organization for Human Brain Mapping, Sendai, Japan.
- Epstein, R.**, Graham, K.S., Kanwisher, N. & Downing, P.E. (2002). Scene representations in the parahippocampal place area are viewpoint-specific. May 2002, Vision Sciences Society, Sarasota FL.
- Epstein, R.** (2002). Topography of visual scene representation in human occipitotemporal cortex: An event-related fMRI study. April 2002, Cognitive Neuroscience Society, San Francisco, CA.
- Gauthier, I. & **Epstein, R.** (2001). The role of spatial frequencies in face-selective areas: Task-dependent effects. *NeuroImage*, 13 (6): S883.
- Epstein, R.** & Kanwisher, N. (2001). Mnemonic functions of parahippocampal cortex: An event-related fMRI study. *NeuroImage*, 13 (6): S663.
- Epstein, R.**, DeYoe, E.A., Press, D.Z., & Kanwisher, N. (2000). Parahippocampal cortex lesions impair the ability to learn new scenes. April 2000, Cognitive Neuroscience Society, San Francisco, CA.
- Gauthier, I. **Epstein, R.** & Gore, J.C. (1999). The contribution of high and low spatial frequencies to the processing of objects, faces and scenes. April 1999, Cognitive Neuroscience Society, Washington D.C.
- Epstein, R.**, Kanwisher, N., Stanley, D. & Harris, A. (1998). The parahippocampal place area: Perception, memory, or route-planning? *Society for Neuroscience Abstracts*, 24: 594.9.
- Epstein, R.** & Kanwisher, N. (1998). The parahippocampal place area: A cortical representation of the local visual environment. *NeuroImage*, 7 (4): S341.
- Epstein, R.** & Kanwisher, N. (1998). The parahippocampal place area: A cortical region specialized for the perception of spatial layout. *Investigative Ophthalmology and Visual Science*, 39 (4), 4169.

- Epstein, R.** & Kanwisher, N. (1998). The parahippocampal place area: A cortical representation of the local visual environment. April 1998, Cognitive Neuroscience Society, San Francisco CA.
- Epstein R.** & Kanwisher, N. (1998). A cortical region specialized for the perception of scenes but not objects. February 1998. Eastern Psychological Association, Boston MA.
- Epstein R.** & Kanwisher, N. (1997). fMRI reveals a double dissociation between object and scene perception. November 1997. Object Perception and Memory Workshop, Philadelphia PA.
- Epstein, R.** & Kanwisher, N. (1996). Repetition blindness for locations. November 1996. Psychonomics Society, Chicago IL.