

Russell Alan Epstein

Department of Psychology
University of Pennsylvania
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ACADEMIC HISTORY

- 2014- Professor, Department of Psychology, University of Pennsylvania
- 2008-14 Associate Professor, Department of Psychology, University of Pennsylvania
- 2002-08 Assistant Professor, Department of Psychology, University of Pennsylvania
- 1999-2001 Research Scientist, Medical Research Council Cognition & Brain Sciences Unit, Cambridge, UK
- 1996-99 Postdoctoral Fellow, Department of Psychology, Harvard University and Department of Brain and Cognitive Sciences, MIT
- 1996 Ph.D., Applied Mathematics, Harvard University
Specialization in computer vision
Dissertation: "Learning object representations from grayscale images."
- 1991 B.A., Physics, University of Chicago

HONORS AND FELLOWSHIPS

- 2014 Fellow of the Association for Psychological Science
- 1996 NRSA Postdoctoral Fellowship
- 1991 National Science and Engineering Graduate Fellowship
- 1991 National Science Foundation Graduate Fellowship (declined)
- 1991 Phi Beta Kappa

GRANTS

(*=currently active)

- *NIH/NEI, R01 EY022350. "Neural mechanisms of landmark-based navigation." 2013-2016.
Principal Investigator. (\$750,000 total direct costs)
- *NIH/NEI, R21 EY022751. "Adaptation and multivoxel codes in high-level visual cortex." 2013-2016
(including NCE). Principal Investigator. (\$250,000 total direct costs)
- *NSF, SBE-0541957. "Spatial intelligence and learning center." 2006-2016. 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)

University of Pennsylvania Research Foundation. "Neural Mechanisms Underlying the Cognitive Benefits of Restorative Scenes." 2012-13. Principal Investigator. (\$28,000 total direct costs)

NIH/NEI, R01 EY016464. "Place representations in the human visual system." 2006-2012. Principal Investigator. (\$1,091,282 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. (\$74,900 total direct costs).

PUBLICATIONS

(* = research assistant, graduate student, or postdoctoral advisee)

Peer-Reviewed Journal Articles

*Julian, J.B., *Keinath, A.T., Muzzio, I.A. & **Epstein, R.A.** (2015). Place recognition and heading retrieval are mediated by dissociable cognitive systems in mice. *Proceedings of the National Academy of Sciences*, 112 (20): 6503-6508.

*Pegors, T.K., *Mattar, M.G., *Bryan, P.B. & **Epstein, R.A.** (2015). Simultaneous perceptual and response biases on sequential face attractiveness judgments. *Journal of Experimental Psychology: General*, 144 (3): 664-673.

*Pegors, T.K., Kable, J.W., Chatterjee, A. & **Epstein, R.A.** (2015). Common and unique representations in prefrontal cortex for face and place attractiveness. *Journal of Cognitive Neuroscience*, 27 (5): 959-973.

*Marchette, S.A., *Vass, L.K., *Ryan, J. & **Epstein, R.A.** (2014). Anchoring the neural compass: Coding of local spatial reference frames in human medial parietal cortex. *Nature Neuroscience*, 17 (11): 1598-1606.

Epstein, R.A. & *Vass, L.K. (2014). Neural systems for landmark-based wayfinding in humans. *Philosophical Transactions of the Royal Society London B*, 369 (1635).

*Troiani, V., *Stigliani, A., *Smith, M.E & **Epstein, R.A.** (2014). Multiple object properties drive scene-selective regions. *Cerebral Cortex*, 24 (4): 883-897.

Weisberg, S.M., *Schinazi, V.R., Newcombe, N.S., Shipley, T.S. & **Epstein, R.A.** (2014). Variations in cognitive maps: Understanding individual differences in navigation. *Journal of Experimental Psychology: Learning, Memory & Cognition*, 40 (3): 669-682.

- Bastin, J., Vidal, J.R., *Bouvier, S., Perrone-Bertolotti, M., Bemis, D., Kahane, P., David, O., Lacheaux, J.-P. & **Epstein, R.A.** (2013). Temporal components in the parahippocampal place area revealed by human intracerebral recordings. *Journal of Neuroscience*, 33 (24): 10123-10131.
- *Vass, L.K. & **Epstein, R.A.** (2013). Abstract representations of location and facing direction in the human brain. *Journal of Neuroscience*, 33 (14), 6133-6142.
- *Schinazi, V.R, Nardi, D., Newcombe, N.S., Shipley, T.F. & **Epstein, R.A.** (2013). Hippocampal size predicts rapid learning of a cognitive map in humans. *Hippocampus*, 23 (6), 515-528.
- Epstein, R.A.** & *Morgan, L.K. (2012). Neural response to visual scenes reveals inconsistencies between fMRI adaptation and multivoxel pattern analysis. *Neuropsychologia*, 50 (4), 530-543.
- *MacEvoy, S.P. & **Epstein, R.A.** (2011). Constructing scenes from objects in human occipitotemporal cortex. *Nature Neuroscience*, 14 (10), 1323-1329.
- *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.** (2014). Neural systems for visual scene recognition. In M. Bar & K. Keuper (Eds.), *Scene Vision*. Cambridge MA: MIT Press, pp. 105-134.
- Epstein, R.A.** & *Julian, J.B. (2013). Scene areas in humans and macaques. *Neuron*, 79 (4): 615-617.
- Epstein, R.A.** (2011). Cognitive Neuroscience: Scene Layout from Vision and Touch. *Current Biology* 21(11), R437-R438.
- Epstein, R.A.** & *MacEvoy, S.P. (2011). 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.** (2011). Disorders of visual-spatial perception and cognition. In K.M. Heilman & E. Valenstein (Eds.), *Clinical Neuropsychology, 5th 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.

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, PloS One, Proceedings National Academy of Sciences, Trends in Neuroscience, Vision Research , Visual Cognition

Ad-hoc grant reviewer: National Science Foundation, National Institutes of Health, Wellcome Trust UK, Human Frontiers Science Foundation

Book reviewer: W.W. Norton & Co., Oxford University Press, Princeton University Press

Program Committee: Cognitive Science Society (2011), Spatial Cognition (2014)

Invited talks:

Vespucci Institute on Brain and Space, Champalimaud Center for the Unknown, Lisbon Portugal (Sept. 2014)

SUNY Downstate Neural and Behavioral Science Seminar (May 2014)

Pennsylvania Spatial Cognition Symposium, Pennsylvania State University (May 2014)

Royal Society Theo Murphy International Scientific Meeting on Space in the Brain, Chicheley Hall, UK (May 2013)

Basque Center for Brain and Language, San Sebastian Spain (May 2012)

Concepts, Actions and Objects Workshop, Rovereto Italy (May 2012)

Interdisciplinary Research Symposium on Literature and Neuroscience, Cold Spring Harbor Laboratory (April 2012)

Department of Cognitive Sciences, Johns Hopkins University (Oct. 2011)

Cognitive Neuroscience Colloquium, CCNY (Oct. 2011)

Cognitive Sciences Society Symposium, Boston MA (July 2011)

University of Indiana Cognitive Science Colloquium (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)

Vision Sciences Series, Dept. of Brain & Cognitive Sciences, MIT (March 2010)

Visual Attention Seminar, Brigham & Women's Hospital, Cambridge MA (Feb. 2010)

Cognition Brain & Behavior Colloquium, Dept. of Psychology, 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 Insititute, San Francisco, CA. (Dec. 1997)

ACADEMIC SERVICE

2015	Lecturer Search Committee
2013-14	Neuroscience Planning Group (School of Arts and Sciences)
2013	Interim Director, Undergraduate Program in Cognitive Science
2013	Lecturer Search Committee, College of Liberal and Professional Studies
2013-	Advisory Board, Certificate in Social, Cognitive and Affective Neuroscience, Center for Neuroscience and Society
2011-13	Executive Committee, Behavioral and Cognitive Neuroscience Training Grant
2011-14	Penn Academic Senate, Executive Committee
2011-	Colloquium Organizer, Center for Cognitive Neuroscience
2002-03, 06-07, 10-11, 12-	Graduate Admissions Committee (Psychology)
2012-13	Ad-hoc member, Committee on Appointments and Promotions (School of Medicine)
2011-12	Faculty Search Committee, Basic Psychological Processes (Psychology)
2008, 10	Graduate Admissions Committee (Neuroscience)
2008-09	MRI Physicist Search Committee (Radiology)
2008-09	Faculty Search Committee, Clinical (Psychology)
2008	Honors Thesis Examiner (Swarthmore College)
2008-09	Colloquium Committee (Neuroscience)
2008-09, 10-11	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	Faculty Search Committee, Perception (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, S13, S15)
 Psych 349: Research Experience in Cognitive Neuroscience (F03, F04)
 Psych 249/459: Visual Cognition (S04, F04, S09)
 Psych 449: Cognitive Neuroscience of Consciousness (S11, F12, F13)

Graduate Courses

Psych 600: Cognitive Neuroscience Proseminar (S06, F07, F09, F10, F11, S12, S14)
 Psych 630: Cognitive Neuroscience of Memory Proseminar (S04)
 Psych 745: fMRI Data Analysis Seminar (F05, S09, F14)
 Psych 751: Special Topics in Cognition: Spatial Cognition (S08)

Lectures Given

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

2013-	Maria Olkkonen
2013-	Michael Bonner
2011-	Steven Marchette
2009-2011	Seth Bouvier
2008-2011	Victor Schinazi
2006-2009	Sean MacEvoy

Graduate Students (*NSF Graduate Fellowship, †NRSA predoctoral fellowship)

2015-	Alexander Keinath (Psychology—primary advisor Isabel Muzzio)
2013-	Alon Hafri (Psychology—joint with John Trueswell) *
2012-	Joshua Julian (Psychology) *
2009-14	Teresa Pegors (Psychology) *
2009-14	Lindsay Morgan Vass (Neuroscience) † -Winner of 2014 Flexner Award for best neuroscience Ph.D. dissertation at Penn
2008-12	Vanessa Troiani (Neuroscience—primary advisor Robert Schultz) *
2004-05	Matt McCabe (Psychology)

Graduate Students on rotation

2015	Christopher Angeloni (Psychology)
2012	Marieta Pehlivanova (Psychology)
2011	Marcelo Mattar (Psychology)

Graduate student thesis committee member:

2014-present	Khaing Win (Neuroscience)
2014-present	Alexander Keinath (Psychology)
2013-present	Marieta Pehlivanova (Psychology, Chair)
2012-present	Amy Price (Neuroscience, Chair)

2012-present	Marcelo Mattar (Psychology)
2012-2013	Betty Kim (Psychology)
2011-2015	Xuexin Wei (Psychology)
2011-present	Christine Boland (Psychology)
2010-2015	David Kahn (Neuroscience, Chair)
2010-2012	Vanessa Troiani (Neuroscience)
2009-2013	Marc Coutanche (Psychology, Chair)
2008-2012	Thomas Lee (Psychology)
2008-2012	Michael Bonner (Neuroscience)
2008-2009	Kartik Sreenivasan (Neuroscience)
2007-2008	Elizabeth Smith (Psychology, Chair)
2003-2009	Elaine Wencil (Psychology; Chair)
2003-2007	Prin Amorapanth (Neuroscience)
2003-2007	Robyn Oliver (Psychology)

Graduate student preliminary/candidacy examination committee member:

2014	Drew Jaegle (Neuroscience)
2014	Sonia Poltoratski (Psychology—Vanderbilt University)
2013	Noam Roth (Neurobiology)
2013	Alexander Keinath (Psychology)
2012	Sarah Metz (Psychology)
2012	Amy Price (Neuroscience)
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)

Research Assistants

2012-	Jack Ryan
2010-2012	Anthony Stigliani
2008-2010	Mary Smith
2007-2010	Emily Ward
2006-2007	Whitney Parker
2005-2007	Alana Feiler
2002-2005	Steve Higgins

Undergraduate Independent Study Students

2014-	Nicole Paul (BBB; independent study, Honors Thesis)
2014-	Monica Osher (Cognitive Science; independent study, Senior Honors Thesis)
2014	Greyson Abid (Cognitive Science; Senior Honors Thesis) -Alumni society prize for best honors thesis in Cognitive Science
2014	Simin Xi (Psychology; independent study)

2012	Yael Gottlieb (Cognitive Science; independent study)
2008-9	Calyso 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)

ABSTRACTS/CONFERENCE PRESENTATIONS

- Bonner, M.F., Ryan, J. & **Epstein, R.A.** (2015). Neural coding of navigational affordances in the local visual environment. May 2015: Vision Sciences Society, St. Petersburg Beach, FL.
- Paul, N.C., Marchette, S.A. & **Epstein, R.A.** (2015). Anchoring the internal compass: The role of geometry and egocentric experience. May 2015: Vision Sciences Society, St. Petersburg Beach, FL.
- Ryan, J., Julian, J.B. & **Epstein, R.A.** (2015). Coding of object size and object category in scene regions. May 2015: Vision Sciences Society, St. Petersburg Beach, FL.
- Hafri, A., Trueswell, J.C. & **Epstein, R.A.** (2015). Neural representations of human interactions. May 2015: Vision Sciences Society, St. Petersburg Beach, FL.
- Olkonnen, M., Mattar, M.G., Aguirre, G.K. & **Epstein, R.A.** (2015). Adaptation sharpens object representations: Evidence from shape discrimination thresholds. May 2015: Vision Sciences Society, St. Petersburg Beach, FL.
- Mattar, M.G., Olkonnen, M., Aguirre, G.K. & **Epstein, R.A.** (2015). Adaptation decorrelates object representations: Evidence from Multivoxel Pattern Analysis. May 2015: Vision Sciences Society, St. Petersburg Beach, FL.
- Julian, J.B., Ryan, J., Hamilton, R.H. & **Epstein, R.A.** (2015). The Occipital Place Area is causally involved in representing environmental boundaries during navigation. May 2015: Vision Sciences Society, St. Petersburg Beach, FL.
- Bryan, P.B., Julian, J.B. & **Epstein, R.A.** (2015). Rectilinearity is insufficient to explain category selectivity of the parahippocampal place area. May 2015: Vision Sciences Society, St. Petersburg Beach, FL.
- Julian, J.B., Keinath, A., Muzzio, I. & **Epstein, R.A.** (2015). Place recognition and heading retrieval are dissociable in mice (and possibly men). March 2015: Society for Research in Child Development, Philadelphia PA.
- Ryan, J., Julian, J.B., Hamilton, R.H. & **Epstein, R.A.** (2014). The occipital place area is causally involved in representing environmental boundaries during navigation. Nov. 2014: Society for Neuroscience, Washington DC.

- Olkonnen, M., Aguirre, G.K. & **Epstein, R.A.** (2014). Expectation does not affect fMRI adaptation in metric face space. Nov. 2014: Society for Neuroscience, Washington DC.
- Hafri, A.A., Trueswell, J.C. & **Epstein, R.A.** (2014). Neural representations of human interactions. Nov. 2014: Society for Neuroscience, Washington DC.
- Marchette, S.A., Vass, L.K., Ryan, J. & **Epstein, R.A.** (2014). Anchoring the neural compass: Coding of local spatial reference frames in human medial parietal cortex. Nov. 2014: Society for Neuroscience, Washington DC.
- Julian, J.B., Keinath, A., Muzzio, I. & **Epstein, R.A.** (2014). Place recognition and heading retrieval are dissociable in mice (and possibly men). Nov. 2014: Society for Neuroscience, Washington DC.
- Marchette, S.A., Morgan, L.K., Ryan, J.A. & **Epstein, R.A.** (2014). For familiar landmarks, parahippocampal cortex represents place identity, not just perceptual features. May 2014: Vision Sciences Society, St. Petersburg Beach, FL.
- Pegors, T., Bryan, P., Mattar, M. & **Epstein, R.A.** (2014). Decoupling perceptual and response biases in a sequential face judgment task. May 2014: Vision Sciences Society, St. Petersburg Beach, FL.
- Julian, J.B., Keinath, A. Muzzio, I. & **Epstein, R.A.** (2014). Place recognition and heading retrieval are dissociable in mice (and possibly men). May 2014: Vision Sciences Society, St. Petersburg Beach, FL.
- Vass, L.K. & Epstein, R.A. (2014). Neural representations underlying real-world spatial memory retrieval. April 2014: Cognitive Neuroscience Society, Boston MA.
- Marchette, S.A., Ryan, J., & **Epstein, R.A.** (2013). Navigation ability predicts the spatial organization of free recall. November 2013: Psychonomics Society, Toronto ON.
- Julian, J.B. & **Epstein, R.A.** (2013). The Landmark Expansion Effect: The Landmark Expansion Effect: Navigational Relevance Influence Memory of Object Size. November 2013: Psychonomics Society, Toronto ON.
- Morgan, L.K. & **Epstein, R.A.** (2013). Neural coding of location, facing direction, and views during spatial imagery. May 2013: Vision Sciences Society, Naples FL.
- Julian, J.B. & **Epstein, R.A.** (2013). The Landmark Expansion Effect: Navigational relevance influences memory of object size. May 2013: Vision Sciences Society, Naples FL.
- Marchette, S.A., Morgan, L.K., Ryan, J.A. & **Epstein, R.A.** (2013). Outside looking in: Searching for conceptual abstract representations of “place” in scene-selective cortex. May 2013: Vision Sciences Society, Naples FL.
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