CURRICULUM VITAE

Sean P. MacEvoy

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EDUCATION

9/98-7/03 Ph.D., Neuroscience, Brown University

9/93-5/97 Sc.B., *magna cum laude*, Neuroscience, Brown University

RESEARCH AND PROFESSIONAL POSITIONS

7/09-present Assistant Professor, Department of Psychology, Boston College

8/06-6/09 Postdoctoral Fellow, Center for Cognitive Neuroscience, University of Pennsylvania, Russell Epstein, mentor.

8/03-7/06 Postdoctoral Fellow, Department of Neurobiology, Duke University Medical Center, David Fitzpatrick, mentor

6/97-8/98 Research Assistant, Department of Neuroscience, Brown University

AWARDS/FELLOWSHIPS

Kirschstein-NRSA Individual Fellowship EY016319, National Eye Institute (2004-2006)

Duke University Medical Center Department of Neurobiology Postdoctoral Training Grant (2003-2004)

Howard Hughes Medical Institute Predoctoral Fellowship (1999-2003)

National Eye Institute Travel Fellowship, ARVO Annual Meeting (1999)

Dean's Fellowship, Brown University (1998-1999)

Undergraduate Award for Academic Excellence, Neuroscience Department, Brown University (1997)

Sigma Xi honor society (1997)

Hughes Undergraduate Research Fellowship (1996)

PUBLICATIONS

Research articles

MacEvoy, S.P. & Epstein, R.A. (2009). Decoding the representation of multiple simultaneous objects in human occipitotemporal cortex. *Current Biology, 19*, 943-947.

MacEvoy, S. P., Tucker, T. R., & Fitzpatrick, D. (2009) A precise form of divisive normalization supports population coding in primary visual cortex. *Nature Neuroscience, 12*, 637-645.

MacEvoy, S. P., Hanks, T. D., & Paradiso, M. A. (2008) Macaque V1 activity during natural vision: effects of natural scenes and saccades. *Journal of Neurophysiology, 99,* 460-472.

MacEvoy, S. P. & Epstein, R. A. (2007). Position selectivity in scene- and object-responsive occipitotemporal regions. *Journal of Neurophysiology, 98*, 2089-2098.

Huang, X., **MacEvoy**, S. P., & Paradiso, M. A. (2002). Perception of brightness and brightness illusions in the macaque monkey. *Journal of Neuroscience, 22*, 9618-9625.

MacEvoy, S. P. & Paradiso, M. A. (2001). Lightness constancy in primary visual cortex. *Proceedings of the National Academy of Sciences, 98*, 8827-8831.

MacEvoy, S. P., Kim, W., & Paradiso, M. A. (1998). Integration of surface information in primary visual cortex. *Nature Neuroscience, 1,* 616-620.

Book chapters

Paradiso, M. A., Blau, S., Huang, X., **MacEvoy,** S. P., Rossi, A. F., & Shalev, G. (2006). Lightness, filling-in, and the fundamental role of context in visual perception. *Progress in Brain Research, 155*, 109-123.

Paradiso, M. A., **MacEvoy**, S. P., Huang, X., & Blau, S. (2005). The importance of modulatory input for V1 activity and perception. *Progress in Brain Research, 149*, 257-267.

Commentaries

MacEvoy, S. P. & Fitzpatrick, D. (2006). Visual physiology: Perceived size looms large. *Current Biology, 9*, R330-332.

CONFERENCE ABSTRACTS

Slide Sessions

MacEvoy, S.P., & Epstein, R. (2009). The sum of its parts? Decoding the representation of multiple simultaneous stimuli objects in the human brain using fMRI [Vision Sciences Society Abstract]. *Journal of Vision, 9,* 781.

MacEvoy, S. P. & Epstein, R.A. (2007). Position selectivity in scene- and object-responsive occipitotemporal regions. *2007 Abstract Viewer/Itinerary Planner.* Washington, DC: Society for Neuroscience.

MacEvoy, S. P., Hanks, T. D., & Paradiso, M. A. (2002). Responses of macaque V1 neurons with natural scenes and saccades. Program No. 622.4. *2002 Abstract Viewer/Itinerary Planner.* Washington, DC: Society for Neuroscience.

Poster Sessions

MacEvoy, S.P., & Epstein, R.A. (2008) The sum of its parts? Decoding the representation of multiple simultaneous stimuli in human object-selective cortex. *2008 Abstract Viewer/Itinerary Planner,* Washington, DC: Society for Neuroscience.

MacEvoy, S. P., & Epstein, R. A. (2007). Position-invariant fMRI adaptation effects in scene-selective regions [Vision Sciences Society Abstract]. *Journal of Vision, 7,* 1046.

MacEvoy, S. P., Tucker T. R., & Fitzpatrick, D. (2005). Temporal evolution of V1 intracellular responses to superimposed gratings. Program No. 285.12. *2005 Abstract Viewer/Itinerary Planner.* Washington, DC: Society for Neuroscience. Online.

MacEvoy, S. P., Tucker, T. R., & Fitzpatrick, D. (2005). Characterizing V1 population responses to superimposed gratings [Vision Sciences Society Abstract]. *Journal of Vision, 5,* 429a.

MacEvoy, S. P., Tucker, T. R., & Fitzpatrick, D. (2004). Optical imaging of V1 population response to superimposed gratings. Program No. 986.17. *2004 Abstract Viewer/Itinerary Planner.* Washington, DC: Society for Neuroscience. Online.

MacEvoy, S. P. & Paradiso, M. A. (1999). Neural correlates of lightness constancy in primary visual cortex [Association for Research in Vision and Ophthalmology Abstract]. *Investigative Ophthalmology and Visual Science, 40,* S372.

Huang, X., **MacEvoy,** S. P., & Paradiso, M. A. (1999). Brightness perception, induction, and White's Effect in the macaque monkey [Association for Research in Vision and Ophthalmology Abstract]. *Investigative Ophthalmology and Visual Science, 40,* S950.

MacEvoy, S. P., Hall, J. C., & Paradiso, M. A. (1998). Neural correlates of brightness constancy in primary visual cortex. *1998 Annual Meeting Abstracts.* Washington, DC: Society for Neuroscience.

INVITED TALKS

Boston College, Dept. of Psychology (2009)

Dartmouth College, Dept. of Psychological and Brain Sciences (2009)

University of Pennsylvania, Dept. of Neuroscience (2008)

TEACHING EXPERIENCE

Fall 1999 (Brown University.): BN0167 Neuropharmacology (TA)

Spring 2001 (Brown University): BN0168 Computational Neuroscience (TA)

Fall 2001 (Smith College): History of Neuroscience Seminar (Guest lecturer)

Spring 2004 (Duke University): NBI 357 Vision and Sensory Systems (Guest lecturer)

PROFESSIONAL AND ACADEMIC SERVICE

Ad hoc reviewer: *Journal of Neuroscience, Current Biology, Proceedings of the National Academy of Science, Cerebral Cortex, Neuroscience Letters*

Secretary and Treasurer, Duke University Postdoctoral Association (2005-2006)

Postdoctoral Discussion Group Chair, Duke University Career Week (2005)

Communications Committee Chair, Duke University Postdoctoral Association (2004)

PROFESSIONAL AFFILIATIONS

Society for Neuroscience, 2003-present

Vision Sciences Society, 2004-present