

BRANDON A. ALLY, PH.D.**Assistant Professor of Neurology****Boston University School of Medicine**

Bedford VA Hospital
 Center for Translational Cognitive Neuroscience
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Academic History

2005-2007 NIH Research Fellow in Cognitive Neuroscience, **Boston University School of Medicine**
 2004-2005 Post-Doctoral Fellow, Geriatric Neuropsychology, **Harvard Medical School**
 2003-2004 Pre-Doctoral Clinical Fellow, Geriatric Neuropsychology, **Harvard Medical School**
 2004 Ph.D., Clinical Neuropsychology, **University of Southern Mississippi**
 2002 M.A., Clinical Psychology, **University of Southern Mississippi**
 1996 B.A., Psychology, **University of Tennessee**

Professional Honors and Awards

2008-2013 NIH/NIA Patient-Oriented Research Career Development Award
 2008 Massachusetts Neuropsychological Society Laird Cermak Award for Memory Research
 2007-2009 NIH Clinical Research Loan Repayment Program
 2006-2009 NIH/NIA Ruth L. Kirschstein National Research Service Award
 2005-2006 Research Fellowship, Brigham and Women's Hospital, Department of Neurology
 2004-2005 Clinical Fellowship, Harvard Medical School, Geriatric Neuropsychology Laboratory
 2004-2005 Teaching Fellowship, Harvard Medical School, Department of Psychiatry
 2003-2004 Clinical Fellowship, Harvard Medical School, Department of Psychiatry
 2003 Graduate Research Dissertation Award, University of Southern Mississippi
 2002-2003 Graduate Research Assistantship, U of Southern Mississippi, Dept. of Psychology
 1999-2003 Graduate Student Scholarship, University of Southern Mississippi
 1999-2003 Graduate Fellowship Award, University of Southern Mississippi
 1996 University of Tennessee, Dean's List (Psi Chi, Beta Society)

Academic Appointments

2008- Director of Neuropsychology Research, Center for Translational Cognitive Neuroscience, Bedford VA Hospital, Bedford, MA
 2007- Assistant Professor, Department of Neurology, Boston University School of Medicine
 2007- Investigator, Center for Translational Cognitive Neuroscience, Bedford VA Hospital, Bedford, MA
 2006-2007 Instructor, Department of Neurology, Boston University School of Medicine
 2003-2005 Clinical Fellow, Department of Psychiatry, Harvard Medical School

Licensure and Certification

2008- Massachusetts Board of Registration of Psychologists (Lic#8906)

Committee Appointments

2008- Bedford VAMC Psychology Training Committee
 2007- Bedford VAMC Scientific Review Committee Member

Teaching Experience

2008- Staff Neuropsychologist, Bedford VAMC Neuropsychology Training Program
 2006-2008 Adjunct Neuropsychologist, Bedford VAMC Neuropsychology Training Program
 2004-2005 Lecturer, Geriatrics Seminar, Boston Consortium
 2004-2005 Instructor, Neuropsychology Lecture Series, Brockton / West Roxbury VA HCS
 2004-2005 Discussant, Neurobehavioral Grand Rounds, Harold Goodglass Aphasia Research Center
 2003-2004 Clinical Supervisor, Harvard Medical South Shore Residency Program
 2001-2003 Graduate Teaching Assistant, USM Clinical Psychology

Editorial Board

Ad Hoc Reviewer, *Journal of Cognitive Neuroscience*
 Ad Hoc Reviewer, *Brain and Cognition*
 Ad Hoc Reviewer, *Neuropsychology*
 Ad Hoc Reviewer, *Neuropsychologia*
 Ad Hoc Reviewer, *Biological Psychology*
 Ad Hoc Reviewer, *Psychophysiology*
 Ad Hoc Reviewer, *Behavior and Brain Functions*
 Ad Hoc Reviewer, *International Journal of Psychophysiology*

Grant Review Committees

2008 – Alzheimer’s Association, New Investigator Research Grant Review Panel
 2008 – Boston University Pilot Award Grant Review Panel

Professional Societies

Member, Cognitive Neuroscience Society
 Member, International Neuropsychological Society
 Member, Association for Psychological Science

Extramural Funding*Current*

Type: K23 Mentored Patient-Oriented Research Career Development Award [1K23 AG031925]
 Agency: NIH-National Institute on Aging (NIA)
 Period: 09/08 – 08/13
 Amount: TDC \$787,138
 Role: PI, “Using pictures to understand recognition memory in Alzheimer's disease”

Type: NIH Clinical Research Loan Repayment Program Funding [L30 AG031014]
 Period: 07/07 – 06/09
 Amount: \$38,365
 Role: PI, “Understanding Recognition Memory in Aging and Alzheimer's disease”

Past

Type: F32 National Research Service Award [1F32 AG027632]
 Agency: NIH-National Institute on Aging (NIA)
 Period: 05/06 – 04/09
 Amount: TDC \$156,810
 Role: PI, “Understanding memory for pictures in Alzheimer's disease”

Type: Harvard Center for Neurodegeneration and Repair Clinical Research Pilot Award
 Period: 04/06 – 03/07
 Amount: TDC \$20,138
 Role: PI, “P50 as a measure of cholinergic response in Alzheimer's disease”

Type: Boston University Alzheimer's Disease Center Pilot Award
 Period: 08/06 – 07/07
 Amount: TDC \$30,000
 Role: PI, “Posterior association cortex as a therapeutic marker in Alzheimer's disease”

Invited Presentations and Symposia

2008

Massachusetts Neuropsychological Society, Annual Laird Cermak Lecture, “Understanding the picture superiority effect in healthy and diseased memory”

Keynote Speaker, Alzheimer's Services of Cape Cod and the Islands, 11th Annual Alzheimer's Awareness Conference, “The worth of pictures in Alzheimer's disease: More than 1,000 words”

Memory Research Disorders Society, Symposium, What is the parietal lobe contribution to memory?, “Parietal contributions to recollection: ERP and lesion studies”

Bedford VA Neuropsychology Seminar Series, “Understanding human memory and memory disorders”

Keynote Speaker, Louisiana Alzheimer's Association Dementia Care Conference, Lafayette, LA, “Using research to inform our clinical interventions”

Louisiana Alzheimer's Association Dementia Care Conference, Lafayette, LA, “Understanding human memory and memory dysfunction”

Louisiana Alzheimer's Association Dementia Care Conference, Lake Charles, LA, “A research update on the risk for Alzheimer's disease”

Louisiana Alzheimer's Association Dementia Care Conference, Lake Charles, LA, “Understanding human memory and memory dysfunction”

2007

Boston University Alzheimer's Disease Research Center, “Parietal contributions to recollection: Evidence from aging and lesion data”

Boston University Alzheimer's Disease Research Center, “Understanding memory for pictures in Alzheimer's disease”

Louisiana Alzheimer's Association Annual Meeting, “Updates in Alzheimer's Disease Research”

2006

Harvard Medical School and Boston VAMC Geriatric Neuropsychology Laboratory, “The memorial power of pictures: Dissociating the neural correlates of recognition memory”

Charles River Association for Memory, Recent Memory Findings, “Role of parietal cortex is retrieval of mismatched stimuli”

NIH reverse site visit, Program Project Grant, Clinical Core, “Posterior association cortex in aging, MCI, and AD”

2004

International Neuropsychological Society, Invited Symposium, Dementia Risk, “Using event-related potentials to identify individuals at high risk for Alzheimer's disease”

Bibliography (*senior author is listed last*)Peer reviewed Papers

- Ally BA**, Jones GE, Cole JA & Budson AE. (2006). The P300 component in patients with Alzheimer's disease and their biological children. *Biological Psychology*, 72, 180-187.
- Ally BA**, Jones GE, Cole JA & Budson AE. (2007). Sensory gating in patients with Alzheimer's disease and their biological children. *American Journal of Alzheimer's Disease and Other Dementias*, 21, 439-447.
- Ally BA**, and Budson AE. (2007). The worth of pictures: Using high-density event-related potentials to understand the memorial power of pictures and the dynamics of recognition memory. *NeuroImage*, 35, 378-395.
- Hwang DY, Gallo DA, **Ally BA**, Black PM, Schacter DL, and Budson AE. (2007). Diagnostic monitoring of memory retrieval in patients with frontal lobe lesions: Further exploration of the distinctiveness heuristic. *Neuropsychologia*, 45, 2543-2552.
- Simons JS, Peers PV, Hwang DY, **Ally BA**, Fletcher PC and Budson AE (2008). Is the Parietal Lobe Necessary for Recollection in Humans? *Neuropsychologia*, 46, 1185-1191.
- Ally BA**, Waring JD, Beth EH, McKeever JD, Milberg WP, and Budson AE. (2008). Aging memory for pictures: Using high-density event-related potentials to understand the effect of aging on the picture superiority effect. *Neuropsychologia*, 46, 287-297.
- Ally BA**, Simons JS, McKeever JD, Peers PV, Budson AE. (2008). Parietal contributions to recollection: Electrophysiological evidence from healthy aging and patients with lateral parietal lesions. *Neuropsychologia*, 46, 1800-1812.
- Ally BA**, Gold CA, Budson AE. (in press). The picture superiority effect in patients with Alzheimer's disease and Mild Cognitive Impairment. *Neuropsychologia*.
- Ally BA**, Gold CA, Budson AE. (in press). An Evaluation of Recollection and Familiarity in Alzheimer's Disease and Mild Cognitive Impairment Using Receiver Operating Characteristics. *Brain and Cognition*.
- Beth EH, **Ally BA**, Waring JD, Budson AE. (in revision). Response bias for picture recognition in patients with Alzheimer's disease.
- Ally BA**, McKeever JD, Waring JD, Budson AE. (in revision). Pictures preserve frontal memorial processes in patients with mild cognitive impairment.
- Addis DR, Sacchetti D, **Ally BA**, Schacter DL, Budson AE. (submitted). Episodic simulation of future events is impaired in mild Alzheimer's disease.

Book Chapters

Brandon A. Ally. (in prep). Using EEG and MEG to understand brain physiology in dementia: Timing is everything. In Kowall, NW, Budson, AE. (Eds.) *The Handbook of Alzheimer's Disease and Other Dementias*. Blackwell Publishing

Published Abstracts

Pawlow LA, Jones GE, O'Brein CL, **Ally BA**, and Eubanks CL. (2001). The impact of Abbreviated Progressive Muscle Relaxation on salivary IgA and salivary cortisol. *Psychophysiology*, S75.

Ally, B., Jones, GE, and Cole JA. (2004). P300 as a Diagnostic Tool in those with Alzheimer's disease and their First Generation Biological Offspring. *Journal of the International Neuropsychological Society*, 10 (S1), p. 34.

Ally, BA, Jones, GE, and Cole JA. (2005). The endogenously evoked P50 potential in patients with Alzheimer's disease and their biological children. *Journal of the International Neuropsychological Society*, 11 (S1), p. 94.

Ally, BA, Beth, EH, Waring, JD, and Budson, AE. (2007) Memorial Response Bias in Patients with Alzheimer's Disease. *Journal of International Neuropsychological Society*.

Ally, BA, Waring, JD, Beth, EH, and Budson, AE. (2007) The effect of pictures on the neural correlates of recognition memory. *Journal of International Neuropsychological Society*.

Beth EH, **Ally BA**, Waring JD, Budson AE. (2007). Response bias in Alzheimer's disease: Examining pictures versus words. *Journal of Cognitive Neuroscience*.

McKeever JD, **Ally BA**, Beth EH, Budson AE. (2007). Dissociating the neural correlates of recognition memory in healthy older adults using pictures and words. *Journal of Cognitive Neuroscience*.

Gold CA, **Ally BA**, Budson AE. (2007). Recollection and familiarity in Alzheimer's disease: An evaluation using receiver operating characteristic analyses. *Journal of Cognitive Neuroscience*.

Ally BA, Waring JD, Beth EH, Budson AE. (2007). Using high-density event-related potentials to understand the memorial power of pictures and the dynamics of recognition memory. *Journal of Cognitive Neuroscience*.

Ally BA, Waring JD, Beth EH, McKeever JD, Budson AE. (2007). The effect of age on the neural correlates of recognition memory: Dissociations using pictures and words. *Brain and Cognition*.

Addis DR, Sacchetti DC, **Ally BA**, Beth EH, Schacter DL, Budson AE. (2008). Simulation of future events is impaired in mild Alzheimer's disease. *Brain and Cognition*.

Poster Presentations

Snell J, Jones G, Pawlow L, O'Brien C, and **Ally B**. (October 1999). The relationship between self-reported anxiety and visceral perception as measured by the MCS and Schandry heartbeat counting task. *Society for Psychophysiological Research*, Granada, Spain.

Rigby S, Pawlow L, Jones G, O'Brien C, and **Ally B**. (March 2000). Heartbeat perception during and between headaches in chronic migraine sufferers and normals. *Society for Psychophysiological Research*, Washington D.C.

Pawlow LA, Jones GE, O'Brien CL, Snell JB, & **Ally BA**. (July 2000). The Impact of Abbreviated Progressive Muscle Relaxation on Salivary Cortisol. *Society for Behavioral Medicine*, Nashville, TN.

Laura A. Pawlow, Gary E. Jones, Carol L. O'Brien, and **Brandon A. Ally**. (2001) The impact of Abbreviated Progressive Muscle Relaxation on salivary IgA and salivary cortisol. *Society for Psychophysiological Research*, Montreal, Quebec.

Ally, BA, Jones, GE, and Cole JA. (2005). The endogenously evoked P50 potential in patients with Alzheimer's disease and their biological children. *International Neuropsychological Society*, St. Louis, MO.

Ally BA & Budson AE. (2006). Using event-related potentials to gain insight into memorial judgments. *Boston University Neurology Research Day*, Boston, MA.

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Ellen H. Beth, **Brandon A. Ally**, Jill D. Waring, and Andrew E. Budson. (2006). The effect of picture detail on memory in patients with Alzheimer's disease. *Massachusetts Alzheimer's Disease Research Center Scientific Symposium*, Boston, MA.

Ally, BA, Beth, EH, Waring, JD, and Budson, AE. (2007) Memorial Response Bias in Patients with Alzheimer's Disease. *Journal of International Neuropsychological Society*, Portland, OR.

Ally, BA, Waring, JD, Beth, EH, and Budson, AE. (2007) The effect of pictures on the neural correlates of recognition memory. *Journal of International Neuropsychological Society*, Portland, OR.

Beth EH, **Ally BA**, Waring JD, Budson AE. (2007). Response bias in Alzheimer's disease: Examining pictures versus words. *Cognitive Neuroscience Society*, New York, NY.

McKeever JD, **Ally BA**, Beth EH, Budson AE. (2007). Dissociating the neural correlates of recognition memory in healthy older adults using pictures and words. *Cognitive Neuroscience Society*, New York, NY.

Gold CA, **Ally BA**, Budson AE. (2007). Recollection and familiarity in Alzheimer's disease: An evaluation using receiver operating characteristic analyses. *Cognitive Neuroscience Society*, New York, NY.

Ally BA, Waring JD, Beth EH, Budson AE. (2007). Using high-density event-related potentials to understand the memorial power of pictures and the dynamics of recognition memory. *Cognitive Neuroscience Society*, New York, NY.

Ally BA, Waring JD, Beth EH, McKeever JD, Budson AE. (2007). The effect of age on the neural correlates of recognition memory: Dissociations using pictures and words. Rotman Research Institute Conference, *Advances in Memory Research*, Toronto, Canada.

McKeever JD, **Ally BA**, Budson AE. (2007). Using high density ERPs to test the episodic buffer hypothesis. *Charles River Association for Memory*, Boston, MA.

Sacchetti D, Addis DR, **Ally BA**, Schacter DL, Budson AE. (2007). The effects of Alzheimer's disease on remembering the past and imagining the future. *Charles River Association for Memory*, Boston, MA.

McKeever JD, **Ally BA**, Beth EH, Budson AE. (2008). Using event-related potentials to understand the picture superiority effect in patients with MCI. *Massachusetts Alzheimer's Disease Research Center Scientific Symposium*, Boston, MA.

Spaniol M, Dodson C, **Ally BA**, Budson AE. (2008). Recognition and Source Memory in Alzheimer's Disease: Exploration into Metamemory. *Massachusetts Alzheimer's Disease Research Center Scientific Symposium*, Boston, MA.

Addis DR, Sacchetti DC, **Ally BA**, Beth EH, Schacter DL, Budson AE. (2008). Simulation of future events is impaired in mild Alzheimer's disease. Rotman Research Institute Conference, *Neuroimaging in Dementia*, Toronto, Canada.

Hussey E, **Ally BA**, Budson AE. (2008). An examination of response inhibition using pictures and words in older adults and patients with mild Alzheimer's disease. Tufts University, *Where vision meets memory*

McKeever JD, **Ally BA**, Budson AE. (2008). Using high-density ERPs to test the episodic buffer hypothesis of parietal lobe function in episodic memory. *Massachusetts Neuropsychological Society*

Hussey E, **Ally BA**, Budson AE. (2008). Using categorically-based exemplars to test response inhibition in patients with Alzheimer's disease. *Massachusetts Neuropsychological Society*

Smolinsky J, Piryatinsky I, **Ally BA**, Budson AE. (2008). Using mental imagery in healthy older adults and patients with Alzheimer's disease to improve memory for words. *Massachusetts Neuropsychological Society*

Hussey EP, O'Connor MK, **Ally BA**, & Budson AE. (2009). Can a visual imagery-based intervention improve healthy older adults' memory for word pairs? *Massachusetts Alzheimer's Disease Research Center & Boston University Alzheimer's Disease Center's Annual Scientific Symposium*

Smolinsky JG, Budson AE, **Ally BA**. (2009). The memorial benefit of visual imagery in Alzheimer's disease. *Massachusetts Alzheimer's Disease Research Center & Boston University Alzheimer's Disease Center's Annual Scientific Symposium*