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CURRICULUM VITAE

**AMISHI P. JHA**

December 2009

attention.psych.upenn.edu

mindbodyresearch.psych.upenn.edu

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**Education:**

- 1989-1993 B.S. University of Michigan, Ann Arbor (Psychology)  
1993-1998 Ph.D. University of California, Davis (Psychology: ERPs and Attention)  
1999-2001 Post-doctoral Fellow, Duke University (fMRI and Working Memory)

**Faculty Appointments:**

- 2002-Present Assistant Professor, University of Pennsylvania,  
Center for Cognitive Neuroscience and Dept. of Psychology

**University Affiliations:**

- 2002-present Member, Institute for Research in Cognitive Science  
2003-present Member, The David Mahoney Institute for Neurological Sciences  
2003-present Member, Dept. of Neuroscience Graduate Group

**Fellowships, Awards and Honors:**

- 1994-1996 McDonnell-Pew Predoctoral Training Fellow, UC-Davis  
1997 Schwall Foundation Medical Research Dissertation Award, UC-Davis  
1999-2001 NIMH Post-Doctoral Training Fellow, Duke University  
2004 Women in Science Trustees Summer Research Award, University of Pennsylvania  
2005 Mind and Life Senior Summer Institute Fellow  
2007 Charles Ludwig Award for Distinguished Teaching, University of Pennsylvania  
2009 Dean's Innovation in Teaching Award, University of Pennsylvania

**Grants:**

- 1996-1998 National Research Service Award (NIH Predoctoral Grant)  
"ERP Studies of Attention following Parietal Damage"  
(P.I. Jha, A.P.)
- 1999-2002 McDonnell-Pew Program in Cognitive Neuroscience Investigator Initiated Grant  
"Dissociating the Components of Working Memory: An Event-Related fMRI Study of  
Memory Load and Distraction"  
(\$200K, 2 years, P.I. Jha, A.P.)
- 2002-2003 Christian R. & Mary F. Lindback Foundation  
"The Neural Consequences of Taxing Human Memory"  
(\$17K, P.I. Jha, A.P.)
- 2002-2003 University of Pennsylvania Research Foundation  
"Keeping Visual Information In and Out of Working Memory"  
(\$15K, P.I. Jha, A.P.)
- 2004-2005 University of Pennsylvania Research Foundation

- “Neural Bases of Attention’s Role in Working Memory”  
(\$17K, P.I. Jha, A.P.)
- 2004-2005 Kessler Foundation  
“ERP and Behavioral Studies of Attention”  
(\$17K, P.I. Jha, A.P.)
- 2005-2006 Competitive Technologies Incorporated  
“Investigating the biobehavioral changes of neural-training with the MC Square Device”  
(\$90K, P.I. Baime, M., Co-I: Jha, A.P.)
- 2005-2006 University of Pennsylvania Research Foundation  
“Neural Effects of Mindfulness Meditation Training in ADHD”  
(\$40K, P.I. Ramsey, R, Co-I: Jha, A.P.)
- 2005-2006 University of Pennsylvania School of Arts and Sciences  
“Technology Support for Undergraduate Cognitive Neuroscience Instruction”  
(\$18K, P.I. Jha, A.P.)
- 2006-2007 National Institutes of Health-NCCAM (U01)  
(NCCAM=National Center for Complementary and Alternative Medicine)  
“Mindfulness Meditation: Regulating Eating and Obesity”  
Neuroimaging Supplement to investigate self-regulation of attention with meditation  
(\$125K, P.I. Kristellar, J; Co-I, Jha, A.P)
- 2006-2007 Mind & Life Institute Varela Research Prize  
“Improving Attention and Reducing Distractibility with Meditation Training”  
(\$15K, P. I: Adam Safron; Faculty Mentor: A.P. Jha)
- 2006-2009 National Institutes of Health-NCCAM (R21)  
“Neural Effects of Mindfulness Training on Attention”  
(\$250K/3 years, P.I. Jha, A.P.)
- 2007-2008 Kessler Foundation  
“Neurocognitive Effects of Attention Training with Mindfulness Meditation”  
(\$17K, P.I. Jha, A.P)
- 2008-2009 Hershey Foundation  
“Mutability of Working Memory and Attention in Teachers”  
(\$15K, P.I. Jha, A.P.)
- 2008-2009 Mind and Life Institute  
“Stabilty of Meta-Awareness and Attention in Students”  
(\$50K, P.I. Jha, A.P.)
- 2008-2009 John W. Kluge Foundation  
Attentional Improvements with Mindfulness Training  
(\$50K, P.I., Jha, A.P.)

- 2008-2009 Mind and Life Varela Research Award  
The Influence of Mindfulness Training in Patients with ADHD  
(\$15K, project mentor: Jha, A.P.)
- 2008-2011 US Department of Defence- Center for Excellence  
“Building Neurocognitive Reliance with Mindfulness Training in Soldiers”  
(\$63K/3 years, P.I., Jha, A.P.)
- 2008-2009 University of Pennsylvania Cancer Center  
“Investigating the Protective Potential of Meditation Training on Known Cognitive Decline during Cancer Treatment”  
(\$90K, Co-P.I, Jha, A.P., Co-PI., Newberg, Andrew.)
- 2008-2009 Emory University  
Contemplative Practices for Persons with Early-Stage Dementia and their Family Care Partners: Fostering Well-Being and Connectedness  
(Consultant, A.P., Jha; P.I. Susan Bauer-Wu)

**ACTIVE GRANTS (~\$2M Total Operating Costs)**

- 2009-2013 US Army (USAMRMC) US Department of Defense  
Neurobehavioral Effects of Battlemind vs. Mindfulness-based Military Training in Army Infantry Platoons (\$1M, P.I., Jha, A.P.)**
- 2009-2012 US Army (USAMRMC) US Department of Defense  
Optimizing Delivery of Mindfulness-Based Military Training Interventions in Army Infantry Cohorts (\$1M, P.I. Jha, A.P)**
- 2009-2011 Baumann Institute  
The Impact of Guided Awareness Instructions on Attention  
(\$37K, P.I. Jha, A.P.)**
- Pending (Pending Final Approval) US Army (USAMRMC) US Department of Defense  
Titrating Optimal Delivery of Mindfulness-Based Training Interventions  
(\$920K/3 Years, P.I. Jha, A.P)**

**Research Interests:**

1. Neural bases of attention and working memory as revealed by functional MRI, event-related potentials, and behavioral measures.
2. Neurobehavioral consequences of mindfulness-based attention training in military, education, and medical contexts.
3. Mutability of attention and working memory with the use of mood and mind-set manipulations to understand the relationship between cognitive and affective control processes
4. Intersection between clinical attentional disorders (e.g., Attention Deficit Disorder, MCI) and basic cognitive-neural mechanisms of attention

**Membership in Professional Societies:**

Cognitive Neuroscience Society  
 Psychonomic Society  
 Society for Neuroscience  
 Eastern Psychological Association

**Professional Activities:*****Scientific Advisor***

Garrison Institute Program on Education (2004-2005)  
 Goldie Hawn Foundation (2007-2008 ad hoc advisor for Mindfulness Education Initiative)  
 Northeast Cognitive Rehabilitation Research Network (2008-present)  
 Garrison Institute Education Leadership Council (2007-present)

***Professional Service Committees:***

Mind and Life Education Research Network Member (2007-present)  
 Mind and Life Program and Research Committee (2008-present)  
 Mind and Life Summer Research Institute Planning Committee (2008-present)  
 Mind and Life Summer Institute Selection Committee (2008-present)  
 Insight Meditation Society Scientific Research Committee (2008-present)  
 Emory-Tibet Partnership Neuroscience Education (2008-present)  
 NIH-NCCAM Center for Excellence Review Panel (2008)  
 NIH-NCCAM Working Group on Meditation Research (2008)  
 Mind and Life Varela Grant Review Committee (2008-present)  
 Mindfulness Research Group (Founding Member, 2009-present)

***Ad-Hoc Reviewer***

Cognition, Cognitive Affective and Behavioral Neuroscience, Cognitive Brain Research, Cerebral Cortex, Journal of Cognitive Neuroscience, Journal of Experimental Psychology: General, Journal of Neuroscience, National Science Foundation, Neuroimage, Neuroscience Letters, Perception and Psychophysics, Psychological Science, Psychophysiology, PLOSone

***Reviewing Editor***

Frontiers in Neuroscience (2008-present)  
 Emotion (2009) Action Editor for Special Issue on Mindfulness Meditation and Emotion Regulation

***Academic Service***

2003-2004 Rotation Talks Committee, Graduate Group in Neuroscience  
 2004-2006 Academic Advising Committee, Program in Neuroscience  
 2003-present AV Committee, Center for Functional Neuroimaging  
 2005-2006 Behavioral Neuroscience Search Committee Dept. of Psychology  
 2007-2008 Clinical Search Committee, Dept. of Psychology

**Teaching Activities:**

2007 Recipient of the Charles Ludwig Distinguished Teaching Award, Univ. of Pennsylvania  
 2009 Recipient of the Dean's Innovation in Teaching Award, Univ. of Pennsylvania

***Instructor, Undergraduate Courses:***

Psychology 155: Attention and Memory (avg. enrollment: 95)  
 Psychology 249: Cognitive Neuroscience of Meditation (avg. enrollment: 20)  
 Psychology 349: Research Experience in Cognitive Neuroscience (fMRI) (avg. enrollment: 20)

***Instructor, Graduate Courses:***

Psychology 604: Cognitive Neuroscience Proseminar  
 Psychology 751: Special Topics in Attention and Working memory

**Lecturer:**

Methods in Psychology (Graduate Course)  
 IRCS Summer Workshop in Cognitive Science (Undergraduate Workshop)  
 Northeast Cognitive Rehabilitation Research Network (Professional Training Course)  
 Penn SAS Preceptorial “Meditation and Attention”  
 Penn SAS Imaging Symposium “Brains at Work: Neuroimaging Studies of Working Memory”

**Graduate Students:****Research Advisor:**

2009-present Nicole Verrochi, Wharton, University of Pennsylvania  
 2009-present Kielty Turner, School of Social Work, University of Pennsylvania  
 2007-2009 Mindy Hong, Graduate School of Education, University of Pennsylvania  
 2005-2007 Sandra Dean, Graduate School of Education, University of Pennsylvania

**Primary Advisor:**

2003-2004 Elaine Wencil (Psychology)  
 2005-2009 Kartik Sreenivasan (Neuroscience) [CNS Graduate Research Award Recipient]

**Rotation Advisor:**

2003-2004 Leo Kim, Program in Neuroscience  
 2004-2005 Katherine Lindl, Program in Neuroscience  
 2005-2006 Eranda Jayawikreme, Psychology (Co-Advisor: Martin Seligman)  
 2005-2006 Kinjal Doshi (Psychology)  
 2007 Nina Hsu, Program in Neuroscience

**Masters Thesis Committee Member:**

2005 Kinjal Doshi, Psychology 699  
 2005 Eranda Jayawikreme, Psychology 699  
 2008 Sara Drucker Psychology 699  
 2007 Robert Bonnet, Graduate School of Education  
 2009 Anastasia Kiyonaga, Graduate School of Education

**Dissertation Committee Member:**

2002-2004 Joe Kable, Program in Neuroscience  
 2003-2005 Irene Kan, Psychology  
 2004-2006 Sandra Dean, Graduate Program in Education (Primary Advisor)  
 2005-2007 Marieke van Vugt, Program in Neuroscience (Chair)  
 2007-2009t Molly Hong, Graduate Program in Education (Primary Advisor)  
 2009-present Kielty Turner, Ph.D program in Social Work (Research Advisor)

**Undergraduate Students:**

\*CURF (College Undergraduate Research Fund) recipients. CURF is a competitive grant process that require a full proposal submission and internal University review

(2002-2003)\* Jordan Fishman, SAS, Psychology , \* Nicole Giuliani, SAS, Psychology , \* Jared Insellman, SAS, Psychology , \* Allison Waxman, SAS, Psychology ; (2003-2004) Misha Heller, SAS, Psychology, Jennifer Katz, SAS, Biological Basis of Behavior, \* Audrey Lustig, SAS, Biological Basis of Behavior, Ichane Tsai Wharton; Deepa Ravikumar, SAS, Psychology; (2004-2006) Alice Tang, SAS, Biological Basis of Behavior, \*Erik Malmgren-Samuel, SAS, Anthropology; (2006-2007) Deepak Sambhara, SAS, Biological Basis of Behavior, \*Zev Rosen, SAS, Psychology, Jonathon Goldstein, SAS, Psychology ; (2007-2008) Pauline Baniqued, Cognitive Science, SAS; Anish Mehta, SAS,

Biological Basis of Behavior; Katrina Fincher, SAS, Psychology; (2008-2009) Lauren Mancuse, Cognitive Science; Anish Mehta, BBB.

Visting Students: Prithi Chopra Central High School Philadelphia (2006-2007); Rudy Rivas University of Georgia (summer 2007); Wen Liu Livingston High School NJ (summer 2007); Yasmine Mourad Livingston High School NJ (summer 2008); April Ryles Cornell University (summer 2008)

### **Conferences/Symposia Organized**

1. April 2007 1<sup>st</sup> Preconference Research Day during 5<sup>th</sup> Annual meeting of the Center for Mindfulness in Medicine, Healthcare, and Society, Worcester, MA (University of Mass, Medical School) “Attention, Emotion, and Mindfulness” (co-organized with Philippe Goldin, Stanford University)
2. April 2008 2<sup>nd</sup> Preconference Research Day during 6<sup>th</sup> Annual meeting of the Center for Mindfulness in Medicine, Healthcare, and Society, Worcester, MA (University of Mass, Medical School) “Matrix of Mindfulness” (co-organized with Philippe Goldin, Stanford University)
4. December 2008 1<sup>st</sup> Bi-Annual Meeting of the Mindfulness Research Working Group Toronto, CA. Co-organized with Zindel Segal and Adam Anderson, University of Toronto)
5. April 2009 3<sup>rd</sup> Preconference Research Day during 7<sup>th</sup> Annual meeting of the Center for Mindfulness in Medicine, Healthcare, and Society, Worcester, MA (University of Mass, Medical School) “Biological Mechanisms of Mindfulness” (co-organized with Philippe Goldin, Stanford University)
6. Planned April 2010, Research Day during the Center for Mindfulness, Worcester, MA (University of Mass, Medical School). Co-organized with Philippe Goldin, Stanford University), during 8<sup>th</sup> Annual meeting of the Center for Mindfulness, Worcester, MA (University of Mass, Medical School)
7. Planned Oct. 2010, 2<sup>nd</sup> Bi-Annual Meeting of the Mindfulness Research Working Group Madison, WI. Co-organized with Richard Davidson, Zindel Segal, and Adam Anderson)
8. **(Competitive Application)** April 2010, Cognitive Neuroscience Society Annual Meeting Montreal, Canada. Symposium Organizer and Presenter “What Controls Cognitive Control: The Influence of Control Context”

### **Invited Presentations:**

- 2000 Cognitive Neuroscience Society, Pre-Conference Symposium
- 2001 Northwestern University  
University of Pennsylvania  
University of Illinois-Champaign-Urbana,  
UC-Irvine  
Cornell University
- 2002: Yale University  
University of Pennsylvania-Center for Cognitive Neuroscience
- 2003: Society for Neuroscience, Platform presentation at Symposium on Working Memory

- 2004: NASA-Cognition in Space  
University of Pennsylvania—IRCS  
University of Pennsylvania-Grand Rounds Dept. of Psychiatry  
University of Pennsylvania- Division of Sleep and Chronobiology
- 2005: Mind & Life Summer Research Institute  
Garrison Institute, Symposium on Mindfulness and Education  
Brown University (Fall 2005)
- 2006: Naropa University (Boulder, Co)
- 2007
1. University of California- Davis, Shamata Project Summit (February, 2007)  
“Influence of Intensive Mindfulness Training on Working Memory”
  2. Center for Mindfulness, Worcester, MA (March, 2007) Co-Organizer, Pre-Conference day long symposium “*From Basic Research to Clinical Interventions — Cognitive-affective Neuroscience and Clinical Applications of Mindfulness*”  
“MBSR Improves Subsystems of Attention”
  3. Mind and Life Summer Research Institute (June,2007; Garrison, NY)  
“Attention and Default Mode Processing with Mindfulness Training”
  4. Mind and Life Education Research Network  
“Alterations in Attention and Working Memory with Mindfulness Training in Teachers, Parents, and Children”  
(June, 2007, Boulder, CA; September, 2007; Wellesley, MA; Boulder Feb 2008)
  5. Mind & Its Potential 2007 (November 3, 2007; Sydney, Australia)
  6. Annual Meeting for the Association for Behavioral and Cognitive Therapies (Nov, 2007, Philadelphia)
- 2008
1. Gettysburg College (March, 2008)  
“Tuning and Training Attention and Working Memory”
  2. University of Michigan (April, 2008)  
“Tuning and Training Attention and Working Memory”
  3. Lehigh University (April, 2008)  
“Tuning and Training Attention and Working Memory”
  4. Center for Mindfulness, Worcester, MA (April, 2008) Co-Organizer, Pre-Conference day long symposium “*The Matrix of Mindfulness: Investigating Cognitive, Affective, and Somatic Effects in Basic Research and Clinical Treatment.*”
  5. Marine and Army Training Center, West Palm Beach, FL (April 2008)  
“Tuning and Training Attention and Working Memory”
  6. Villanova University (April 2008)  
“Tuning and Training Attention and Working Memory”
  7. Mind and Life Institute Meeting with His Holiness the Dalai Lama (April 2008)  
“The Influence of Mindfulness Training on Attention and Working Memory”
  8. June 2008 Mind and Life Summer Institute, Garrison, NY
  9. December 2008 University of Toronto, Dept of Psychology
- 2009-2010 (Invited)
1. February 2009 Mindfulness in Education Annual Meeting, Philadelphia PA  
Invited Keynote address

2. March 2009 Center for Mindfulness, Worcester, MA  
Conference co-organizer for preconference research day
3. April 2009 Mind and Life XIX, Dharamsala, India  
Attention and Executive Functions in Meditation –research meeting  
with the Dalai Lama
4. June 2009 US Congress, invited presentation w/Co-investigator Stanley by  
congressman Tim Ryan on use of Mindfulness in Military, Education,  
and Medical Contexts
5. June 2009 US Pentagon, invited presentation w/Co-investigator Stanley by Gen  
Xenakis on use of Mindfulness-Based Mind Fitness Training
6. September 2009 US Department of Defense Military Health Research Forum  
(MHRF) invited plenary lecture on “Mindfulness and Prevention as  
the *Medicine* of the Future” Kansas City, Mo.
7. September 2009 Penn State University, Dept. of Human Development and  
Psychology
8. December 2009, Brown University, Contemplative Studies Program
9. December 2009, Univ. of Pennsylvania, Dept. of Neurosurgery (Grand Rounds)
10. February 2010 New York University, Dept. of Psychology
11. April 2010, Worcester, MA, 8<sup>th</sup> Annual meeting of the Center for  
Mindfulness in Medicine, Healthcare, and Society, Worcester, MA (University of  
Mass, Medical School). Invited Keynote address
12. August 2010, Upaya Zen Center, Sante Fe, NM, (Zen Brain Series workshop)

### **In the Media**

NRP Morning Edition (July 2005), LA Times (July 2006)

NPR Voices of America (July 2007), Body and Soul (Oct 2007)

Book: Jackson, M: *Distracted* (2008)

All in the Mind (Nov 2007) Australian Public Radio

Prevention Magazine (June 2008)

Documentary “Seeds of Compassion” ([www.seedsofcompassion.org](http://www.seedsofcompassion.org)) (April 2008)

Book: Gallagher, W., RAPT, *Attention and a Focused Life* (2008)

Science Magazine, Careers, Carpenter, Siri (2009)

**Research Publications: Peer-Reviewed:**

(\*=project conducted in laboratory of APJ)

1. Reuter-Lorenz, P., and **Jha, A.P.**, Rosenquest, N. (1996). What is inhibited in the inhibition of return? *Journal of Experimental Psychology: Human Perception and Performance*. 22(2): 367-378.
2. **Jha, A.P.**, Kroll, N. E. A., Baynes, K., Gazzaniga, M.S. (1997). Memory Encoding Following Callosotomy. *Journal of Cognitive Neuroscience*. 9(1): 143-159.
3. Mangun, G.R., Buonocore, M., Girelli, M., **Jha, A.P.** (1998). ERP and FMRI. Measures of Visual Spatial Selective Attention. *Human Brain Mapping*. 6: 383-389.
4. Handy, T.C., **Jha, A.P.** and Mangun, G.R. (1999). Promoting novelty in vision: Inhibition of return modulates perceptual-level processing. *Psychological Science*. 10(2): 157-161.
5. **Jha, A.P.**, and McCarthy, G. (2000). The Influence of Memory Load upon Delay Interval Activity in a Working Memory Task: An Event-related Functional MRI Study. *Journal of Cognitive Neuroscience*. 12: 90-105.
6. Petrella, J.R., Lustig, C., Bucher, L.A., **Jha, A.P.**, Doraiswamy, P.M. (2002). Functional Brain “Reserve” and Risk for Alzheimer’s Disease. *American Journal of Geriatric Psychiatry*, 10(1): 112-113
7. **Jha, A.P.**(2002). Remembering Where: The Role of Selective Attention in Spatial Working Memory. *Cognitive Brain Research*. 15(1): 61-69.
8. \***Jha, A.P.**, Fabian, S.A., Aguirre, G.K. (2004). The Role of Prefrontal Cortex in Resolving Distractor Interference. *Cognitive, Affective, and Behavioral Neuroscience*, 4(4): 61-72.
9. Botvinik, M., **Jha, A.P.**, Bylsma, L., Fabian, S.A., Soloman, P.E., Prkachin, K.M. (2005). Viewing facial expressions of pain engages cortical areas involved in the direct experience of pain. *Neuroimage*, 25(1): 312-319.
10. Petrella J.R., Townsend B.A., **Jha A.P.**, Ziajko L.A., Slavin M.J., Lustig C., Hart, S.A., Doraiswamy P.M. (2005). Increasing Memory Load Modulates Regional Brain Activity in Older Adults as Measured by fMRI. *J Neuropsych Clin Neurosci*, 17(1): 75-83.
11. \***Jha, A.P.**, Giuliani, N., Ranucci, M.R. (2006). Organization of Mnemonic and Response Functions in Prefrontal Cortex. *Brain Research*. 1097:133-141.
12. \*Sreenivasan, K. and **Jha, A.P.** (2007). Selective Attention Supports Working Memory Maintenance by Modulating Perceptual Processing of Distractors. *Journal of Cognitive Neuroscience*. 19:32-41.
13. \***Jha, A.P.**, Kropfing, J., Baime, M.J. (2007). The Effects of Mindfulness Training on Attentional Subsystems. *Cognitive Affective and Behavioral Neuroscience*, 7:109-119.

14. \*Sreenivasan, K., Katz, J., **Jha, A.P.** (2007). Temporal Characteristics of Top-Down Modulations during Working Memory Maintenance: An ERP Study of the N170 Component. *Journal of Cognitive Neuroscience*, 19:1836-1844.
15. Dolcos, F., Miller, B., **Jha, A.P.**, McCarthy, G. (2007) Regional Brain Differences in the Effect of Distraction During the Delay Interval of a Working Memory Task. *Brain Research*, 1152:171-181.
16. \*Sreenivasan, K., Lustig, A., Goldstein, J., Riva, R., **Jha, A.P.** (2009). Perceptual Discriminability interacts with Attentional Selection of Faces. *Attention, Perception and Psychophysics*. 71(4), 837-846.
17. \*Stanley E, **Jha, A.P.** (2009) Mind Fitness and Mental Armor: Training the Mind to Improve Operational Effectiveness and Build Warrior Resilience. *Joint Force Quarterly (An Advisory Journal to the US Joint Chiefs of Staff)*, 55:144-151.
18. Stanley, E., Berger, C., Spitaletta, J., **Jha, A.P.** (in press), Mind Fitness in Counterinsurgency: Addressing the Cognitive Requirements of Population-Centric Operations, 90.2 (March/April 2010).
19. \***Jha, A.P.**, Stanley, E.A., Kiyonaga, A., Wong, L., Gelfand., L (in press) Examining the Protective Effects of Mindfulness Training on Working Memory and Affective Experience. *Emotion* (February 2010)
20. \***Jha, A.P.**, and Kiyonaga, A. (accepted), Working Memory-Triggered Adjustments in Dynamic Control, *Journal of Experimental Psychology, Learning, Memory, and Cognition*.

### Articles Under Review

Stanley, E.A, Kiyonaga, A., Schaldach, J.M., and Jha, A.P. (under review) The Effect of Mindfulness Training on Mood States and Perceived Stress Levels in an Extreme Stress Pre-Deployment Military Context” For submission to *Military Psychology*

### Articles In Preparation (\*=Full Draft available upon request)

- \*1. Jha, A. P., & Kiyonaga, A. (in preparation for *Developmental Psychology*). Dynamic Control of Working Memory Develops during Adolescence and Relates to Academic Achievement.
2. Jha, A. P., Mancuso, L., Baniqued, P., Kiyonaga, A., Wong, L., Baime., M.J. (in preparation for *Psychological Science*). Mindfulness Training Reduces Mind Wandering
3. Jha, A. P., Sreenivasan, K.K., Baniqued, P., and Wong, L. M., (in preparation for *JOCN*). Neural Correlates of Dynamic Adjustments in Cognitive Control during Working Memory
- \*4. Mehta, A., Sreenivasan, K. K., Rosen, Z. B., Rostain, A., Ramsey, R., & Jha, A. P. (in preparation for *Archives of General Psychiatry* ). The adult ADHD continuum as indexed by neural correlates of executive functioning.

- \*5. Sreenivasan, K. K., Sambhara, D., & Jha, A. P. (in preparation for JOCN). Memory-related parametric modulations of face-sensitive perceptual activity.
6. Sreenivasan, K. K., & Jha, A. P. (in preparation to Psychological Science). Words that Hurt, Hurt Working Memory
- \*7. Van Vugt, M. K., & Jha, A. P. (in preparation for PLOS Biology). Intensive Mindfulness Training Improves Working Memory.

**Books:**

Dean, S. & **Jha, A.P.** (under contract -planned publication date 2011—Cambria Press) Understanding the Achievement Gap: The Role of Attention and Working Memory in Academic Achievement.

**Book Chapters:**

- Mangun, G.R., Hopfinger, J.B., **Jha, A.P.** Hopf, J.-M. and Girelli, M. (2000). Electrophysiological and Neuroimaging Studies of Voluntary and Reflexive Attention. In: Driver, J. and Monsell, S. (Eds.). *Attention and Performance XVIII: The Control Over Cognitive Processes*, pp. 125-154. MIT Press: Cambridge, Mass.
- Mangun, G.R., **Jha, A.P.**, Hopfinger, J.B. and Handy, T.C. (2000). The Temporal dynamics and Functional Architecture of Attentional Processes in Human Extrastriate Cortex. In M.S. Gazzaniga, (Ed.) *The New Cognitive Neurosciences*, pp. 701-710. MIT Press: Cambridge Mass.
- Mangun, G.R., Hopfinger, J.B., and **Jha, A.P.** (2000). Integrating electrophysiology and neuroimaging in the study of human brain function. In: P. Williamson, A. M. Siegel, D. W. Roberts, V. M. Thandi, & M. S. Gazzaniga (Eds.) *Advances in Neurology* (Vol. 84). Neocortical Epilepsies. (pp. 35-50). Lippincott, Williams, & Wilkins: Philadelphia
- Jha, A.P.**, Baime, M.J., and Sreenivasan, K. (2009). Attention and Mindfulness-Training. Encyclopedia of Depression. Ingram, R editor.
- Jha, A.P.** (in press). What does Mindfulness Training Strengthen? Working Memory Capacity as a Functional Marker of Training Success. In: Baer, R (ed) *Assessing Mindfulness and Acceptance: Illuminating the Processes of Change*. New Harbinger Publications: New York, New York.

**Published Reports:**

Schoeberlein, D., Koeffler, T., and **Jha, A.P.** (2005) Contemplation and Education: The Current Status of Programs using Contemplative Techniques in K-12 Educational Settings: A Mapping Report. Garrison Institute: Garrison, N.Y.

**Selected Conference Abstracts:**

- \*Kiyonaga, A., Wong, L.M., and Jha, A.P. (2009) Examining the Lifespan Effects of "Control Adaptation" during Working Memory. Cognitive Neuroscience Society Annual Meeting, San Francisco, CA.

- Jha AP, Baniqued P, Sreenivasan KK, and Wong LM (March 2009). Examining the neural effects of conflict adaptation during working memory. Poster presented at the Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA.
- \*Sreenivasan KK, and Jha AP (November 2008). Positive emotional "distraction" protects against cognitive interference in working memory. Poster presented at the Annual Meeting of the Society for Neuroscience, Washington, DC.
- \*Rosen ZB, Baime MJ, Ramsay JR, Rostain A, Sreenivasan KK, and Jha AP (November 2008). Mindfulness training improves working memory performance in adults with ADHD. Poster presented at the Annual Meeting of the Society for Neuroscience, Washington, DC.
- \*Fincher, K.M., **Jha, A.P.** (2008) Examining the Attentional Costs of Self-Focused Attention. Cognitive Neuroscience Society, San Francisco, CA.
- \*Wong, L.M., van Vugt, M., Smallwood, J., Carpenter-Cohn, J., Baime, M., **Jha, A.P.** (2008) Mindfulness Training Reduces Mind Wandering during a Sustained Attention Task. Cognitive Neuroscience Society, San Francisco, CA.
- \*Sreenivasan K.K., Sambhara D., Rosen Z., and **Jha A.P.** The Top-down Influence of Memory Representations on Face Processing. Cognitive Neuroscience Abstracts 15. The 15<sup>th</sup> Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA, April 12-15, 2008.
- \*Sreenivasan K.K., Lustig A., and **Jha A.P.**: Attention to Faces Modulates Feedforward Perceptual Processing under Conditions of High Perceptual Load. Society for Neuroscience Abstracts 37. The 37<sup>th</sup> Annual Meeting of the Society for Neuroscience, San Diego California, November 3-7, 2007.
- \*Sreenivasan K.K., Rosen Z.B., Spiegel D., van Vugt M.K., and **Jha A.P.**: EEG Oscillations during Working Memory Maintenance Vary with Eventual Task Performance. Cognitive Neuroscience Abstracts 14. The 14<sup>th</sup> Annual Meeting of the Cognitive Neuroscience Society, New York New York, April 14-18, 2007.
- \*Hsu, Anderson, and **Jha A.P.** (2007)\***Featured in 2007 Society Press Book** Positive mood improves working memory, Society for Neuroscience, San Diego, CA
- \*Jayawikreme, E., **Jha, A.P.**, Seligman, M (2007) The Influence of Positive Affect on Attention. American Psychological Society, NY, NY.
- \*Lustig A., & **Jha, A.P.** (2006) Examination of the N170 to Delay-Spanning Noise Masks during Face Working Memory: An ERP Study. Cognitive Neuroscience Society Meeting. San Francisco, CA.
- \*Lustig A., Tsai, S., Shah, G., Krompinger, J, **Jha, A.P.** (2005) The Role of Selective Attention in Mindfulness. Cognitive Neuroscience Society Meeting. New York, N.Y.
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