

# Justin C. Hulbert

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St. John's College

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## EDUCATION

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- **Ph.D.** in Biological Science ■ *Expected, 2011* ■ **University of Cambridge** ■ Cambridge, England
- **University of St. Andrews** ■ *2007-2009* ■ St. Andrews, Scotland
- **M.A.** in Psychology ■ *2006* ■ **University of Oregon** ■ Eugene, OR
  - Master's Thesis: "The hippocampal modulation (H.M.) effect: inducing retrograde amnesia by executive control"
- **B.A.** Summa Cum Laude with Distinction in Psychology ■ *2005* ■ **University of Pennsylvania** ■ Philadelphia, PA
  - Honors Theses:
    - "The role of scene and syntax in mental verb acquisition" (*2004*)
    - "In memory of sleep: the role of sleep in declarative memory consolidation" (*2005*)

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## RESEARCH POSITIONS

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- Graduate Student supervised by Dr. Michael C. Anderson, MRC Cognition and Brain Sciences Unit, Cambridge UK, *2009-Present*
- Graduate Research Fellow supervised by Prof. Michael C. Anderson, School of Psychology, University of St. Andrews, *2007-2009*
- Graduate Research Fellow supervised by Prof. Michael C. Anderson, Department of Psychology, University of Oregon, *2005-2007*
- Summer Intern with Dr. Michael J. Kahana, Department of Psychology, University of Pennsylvania, *2007*
- Research Assistant with Dr. Sharon Thompson-Schill, Department of Psychology, Center for Cognitive Neuroscience, University of Pennsylvania, *2004-2005*
- Research Assistant with Dr. John Trueswell, Anna Papafragou, and Lila Gleitman, Department of Psychology, Institute of Research in Cognitive Sciences, University of Pennsylvania, *2004-2005*
- Research Assistant with Dr. Anne E. Kazak, Children's Hospital of Philadelphia, Division of Psychology, *2002-2005*

- Research Assistant with Dr. Steve Leff, Children's Hospital of Philadelphia, Division of Psychology, *2002-2005*

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#### TEACHING

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- Research Design & Analysis (*Spring, 2009*)
- Learning and Memory, Guest-Lecturer (*Winter, 2006; Spring, 2006*)
- Introductory Psychology, Guest-Lecturer (*Winter, 2007*)

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#### AWARDS, FELLOWSHIPS & GRANTS

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- Mind Science Foundation Research Award in Consciousness (\$15,000), "Gating Conscious Memories through Hippocampal Modulation" under the supervision of PI, Dr. Michael C. Anderson, *2010-2011*.
- Cambridge University Trust Overseas Student Bursary, *2009-2011*
- Best First Year PhD Poster, University of Cambridge Graduate School of Life Sciences Poster and Image Competition, *2010*
- Scottish Imaging Network: A Platform for Scientific Excellence (SINAPSE) Ph.D. Studentship, *2008-2009*
- National Science Foundation Graduate Research Fellowship, *2005-2008*
- Co-Principal Investigator, Lewis Center for Neuroimaging Pilot Data Grant (\$6,750) "Functional MRI Investigations of Memory & Attention", *2007*
- Graduate Education Committee Travel Award, University of Oregon, *2006, 2007*
- Nassau Fund Independent Research Grant, University of Pennsylvania, *2005*
- The President's Award for Undergraduate Research, University of Pennsylvania, *2004*
- Morris Viteles Award for Excellence in Undergraduate Psychology Research, University of Pennsylvania, *2004*
- Paula Menyuk Conference Travel Award, *2004*
- University of Pennsylvania Student Travel Fund Award, *2004*
- The Walt Disney Company Foundation Full-Tuition Scholarship, *2001-2005*

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#### PUBLICATIONS

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- **Hulbert, J.C.**, Shivde, G., & Anderson, M.C. (Submitted). Evidence for a retrieval-specific inhibition process underlying cue-independent forgetting.
- MacLeod, M.D. & **Hulbert, J.C.** (In Press). Retrieval inhibition, sleep, and the resolving power of human memory. Book chapter to appear in A.S. Benjamin

(Ed.), *Successful Remembering and Successful Forgetting: Essays in Honor of Robert A. Bjork*. North-Holland: Elsevier.

- **Hulbert, J.C. & Anderson, M.C.** (In Preparation). Retrieval, not new learning, is responsible for cue-independent retroactive interference.
- Ellenbogen, J.M., **Hulbert, J.C.**, Jiang, Y., & Stickgold, R. (2009). The sleeping brain's influence on verbal memory: Boosting resistance to interference. *PLoS ONE*, 4(1), e4117.
- **Hulbert, J.C. & Anderson, M.C.** (2008). The role of inhibition in learning. In A.S. Benjamin, S. de Belle, B. Etnyre & T. Polk (Eds.), *Human Learning: Biology, Brain, and Neuroscience* (pp. 7-20). North-Holland: Elsevier.
- Papafragou, A., **Hulbert, J.C.**, & Trueswell, J. (2008). Does language guide event perception? Evidence from eye movements. *Cognition*, 108(1), 155-184.
- Bedny, M., **Hulbert, J.C.**, & Thompson-Schill, S.L. (2007). Understanding words in context: the role of Broca's area in word comprehension. *Brain Research*, 1146, 101-114.
- Ellenbogen, J.M., **Hulbert, J.C.**, Stickgold, R., Dinges, D.F., & Thompson-Schill, S.L. (2006). Interfering with theories of sleep and memory: sleep, declarative memory, and associative interference. *Current Biology*, 16(13), 1290-1294.
- **Hulbert, J.C.** (2004). The role of scene and syntax in mental verb learning. *Res: Journal of Undergraduate Research and Writing*, 1, 74-97.

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#### SCHOLARLY PRESENTATIONS

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- **Hulbert, J.C. & Anderson, M.C.** (2010). Impairing Recognition Memory via Hippocampal Modulation. Poster presentation at the Recognition Memory Symposium, Bristol.
- **Hulbert, J.C. & Anderson, M.C.** (2010). Opening the Amnesic Window through Hippocampal Modulation. Poster presentation at the Cambridge Neuroscience Seminar, Cambridge University.
- **Hulbert, J.C.** (2010). Inducing Amnesia through Executive Control. Invited talk at the Graduate Society of St. John's College, Cambridge University.
- **Hulbert, J.C., & Anderson M.C.** (2009). Inducing Amnesia through Cognitive Control: The Hippocampal Modulation (H.M.) Paradigm. Poster presentation at the Annual Meeting of the Cognitive Science Society, Amsterdam, Netherlands.

- **Hulbert, J.C., & Anderson M.C. (2009).** Intentional Suppression and the Amnesic Penumbra. Poster presentation at the Association for Psychological Science 21<sup>st</sup> Annual Convention, San Francisco, California.
- **Hulbert, J.C., & Anderson M.C. (2009).** Resolving Retrieval Conflict through Inhibition. Poster presentation at the 16<sup>th</sup> Annual Cognitive Neuroscience Society Meeting, San Francisco, California.
- **Hulbert, J.C., & Anderson M.C. (2008).** Inducing Amnesia through Executive Control. Poster presentation at the Neuroscience & Cognitive Control (NeuroCog) Meeting, Ghent, Belgium.
- **Hulbert, J.C. & Anderson, M.C. (2008).** Cue-independent Impairment in Retrieval-Induced Forgetting reflects inhibition, not associative interference. Talk presented by second author at the 49<sup>th</sup> Annual Meeting of the Psychonomic Society, Chicago, Illinois.
- **Hulbert, J.C., Huddleston, E.J., & Anderson M.C. (2007).** Suppressing retrieval of an unwanted memory also disrupts new episodic encoding for events close in time. Poster presentation at the 14<sup>th</sup> Annual Cognitive Neuroscience Society Meeting, New York, New York.
- **Hulbert, J.C., Huddleston, E.J., & Anderson M.C. (2007).** Suppressing retrieval of an unwanted memory also disrupts new episodic encoding for events close in time. Short talk and poster presentation at the Oregon Chapter of the Society for Neuroscience Annual Meeting, Portland, Oregon.
- **Ellenbogen, J.M., Hulbert, J.C., Stickgold, R., Dinges, D.F., & Thompson-Schill, S.L. (2007).** Sleep, memory and associative interference. Poster presentation at the American Academy of Neurology 59<sup>th</sup> Annual Meeting, Boston, Massachusetts.
- **Ellenbogen, J.M., Hulbert, J.C., Stickgold, R., Dinges, D.F., & Thompson-Schill, S.L. (2006).** Sleep protects declarative memory from associative interference. Oral presentation by the first author at the Associated Professional Sleep Societies' SLEEP 2006 Conference, Salt Lake City, Utah.
- **Hulbert, J.C., Huddleston, E.J., & Anderson M.C. (2006).** The hippocampal modulation (H.M.) effect: Behavioral induction of amnesia. Poster presentation at the Association for Psychological Science 18<sup>th</sup> Annual Convention, New York, New York.
- **Papafragou, A., Hulbert, J.C., & Trueswell, J.C. (2006).** Does language guide event perception? Evidence from eye movements. Poster presented by first author at the 19<sup>th</sup> Annual CUNY Conference on Human Sentence Processing, New York, New York.
- **Rodriguez, A., Stehl, M. J., Alderfer, M., Hulbert, J.C., & Kazak, A.E. (2006).** Using innovative (video) technology in pediatric psychology intervention research. Paper

presented by first author at the National Conference on Child Health Psychology, Gainesville, Florida.

- Papafragou, A., Trueswell, J., & **Hulbert, J.C.** (2006). Mapping event perception onto language: Evidence from eye movements. Paper presented by first author at the Linguistic Society of America, New Mexico.
- Ellenbogen, J.M., **Hulbert, J.C.**, Thompson-Schill, S.L., & Dinges, D.F. (2005). Sleep and declarative memory: A century-old controversy. Poster presentation by first author at the 46<sup>th</sup> Annual Meeting of the Psychonomic Society, Toronto, Canada.
- **Hulbert, J.C.**, Ellenbogen, J.M., Dinges, D.F., & Thompson-Schill, S. (2005). Sleep and hippocampally-mediated memory: Sleep-dependent resistance to interference (SDRI). Oral presentation at the International Conference on Cognitive Neuroscience IX, Havana, Cuba.
- Bedny, M., **Hulbert, J.C.**, & Thompson-Schill, S. (2005). Contextual meaning selection during comprehension of homonymous and polysemous words. Poster presentation at the International Conference on Cognitive Neuroscience IX, Havana, Cuba.
- Bedny, M., **Hulbert, J.C.** & Thompson-Schill, S. (2005). Contextual meaning selection during comprehension of homonymous and polysemous words. Poster Presentation at the Cognitive Neuroscience Society 11th Annual Meeting, New York, New York.
- Papafragou, A., Cassidy K., Gleitman, L., & **Hulbert, J.C.** (2004). How children acquire mental verbs. Paper presented by first author at the Boston University Conference on Language Development, Boston, Massachusetts.

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#### SERVICE

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Ad Hoc Reviewer:

- Journal of Cognitive Neuroscience
- Cerebral Cortex
- Memory

President (2010-present)

- SBR, the Graduate Society of St. John's College, University of Cambridge

Scholarship Reviewer:

- The Implicit Laboratory Association Initiative

Supplemental Materials Contributor:

- Ward, J. (2009). *The Student's Guide to Cognitive Neuroscience* (2<sup>nd</sup> ed.). East Sussex, U.K.: Psychology Press.
- Eysenck, M.W. & Keane M.T. (2009). *Cognitive Psychology: A Student's Handbook* (6<sup>th</sup> ed.). East Sussex, U.K.: Psychology Press.
- Baddeley, A. Eysenck, M.W., & Anderson, M.C. (2008). *Memory*. East Sussex, U.K.: Psychology Press.

Ph.D. Student Representative

- Research Councils UK Forum on Transferrable Skills Training

Exam Invigilator

- St. John's College, University of Cambridge

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PROFESSIONAL MEMBERSHIPS

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- Society for Neuroscience (SfN)
- Cognitive Science Society (CSS)
- Association of Psychological Science (APS)
- Cognitive Neuroscience Society (CNS)
- Psi Chi (Chapter Co-President, 2004-2005)
- Phi Beta Kappa
- National Honor Society

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SUMMER SCHOOLS

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- Visceral Mind Summer School, Bangor University, 2010
- Marie Curie FP7 Advanced Training Course on Brain Imaging and Its Applications, Great Malvern, United Kingdom, 2010
- Steve Luck's ERP Bootcamp Summer Institute, Center for Mind & Brain, University of California, Davis, 2007

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CERTIFICATIONS

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- Transcranial Magnetic Stimulation (TMS) Certificate of Competence from the Magstim Brain Stimulation Training Course hosted by Prof. Vincent Walsh at University College London, *2009*.