

Indira C. Turney | Curriculum Vitae

Indira.turney@gmail.com

Education

Graduate

2012-Present

Ph.D. in Cognitive Psychology

Concentration: Cognitive Neuroscience

Degree Expected: Spring 2018 - *Proposed Dissertation*: Investigating neural effects of memory training to reduce false memories in older adults

Pennsylvania State University

State College, PA

M.S. in Cognitive Psychology

2012-2015

Concentration: Cognitive Neuroscience

Thesis: A systematic measure of relatedness in false memories

Pennsylvania State University

State College, PA

Non-Degree: Post-Baccalaureate Fellow in Psychology

2011-2012

Concentration: Cognitive Neuroscience

Research Focus: Genetics and brain functioning in older adults

University of Pittsburgh

Pittsburgh, PA

Undergraduate

2007-2011

Bachelor of Arts: Psychology

University of the Virgin Islands

St. Croix, VI

Honors: Magna Cum Laude

Research Experience

Graduate Research Assistant in Cognitive Neuroscience

2012-Present

Pennsylvania State University, State College, PA

Mentor: Nancy A. Dennis, Ph.D.

Projects:

Various ongoing projects in the area of false memory and aging

Funding: Year 1: Teaching Assistantship and Bunton Waller Fellowship

Years 2-4: National Science Foundation Graduate Research Fellowship

Year 5-6: Teaching Assistantship and Bunton Waller Fellowship

Post-Baccalaureate Fellow Researcher in Cognitive Neuroscience

2011-2012

University of Pittsburgh, Pittsburgh, PA

Mentor: Kirk I. Erickson, Ph.D.

Projects:

Effects of the Brain-Derived Neurotrophic Factor (BDNF) gene on brain volume in older adults

Apolipoprotein (APOE) polymorphisms and on cognitive functioning in middle-aged adults

Funding: Hot-Metal Bridge Post-Baccalaureate Fellowship

Research Assistant in Clinical Neuroscience

Summer 2010

Ohio State University
Mentor: Ruchika S. Prakash, Ph.D.
Project: Influence of Physical activity on Brain Plasticity and Cognitive Functions in MS
Funding: McNair Fellowship

Research Assistant in Psychology Summer 2009
University of Iowa, Iowa City, IA
Mentor: Michael Lovaglia, Ph.D.
Project: Hierarchical Structure of Long-Term Partner Characteristics among College Students
Funding: McNair Fellowship

Research Assistant in Psychology 2009-2010
University of the Virgin Islands, St. Croix, VI
Mentor: Aletha Bauman, Ph.D.
Project: Alcohol Levels among Undergraduates

Grants & Fellowships

Social, Life, and Engineering Science Imaging Center Dissertation Award 2016
Alfred P. Sloan Fellowship – PSU 2016
National Science Foundation – Graduate Research Fellowship Program 2013-2016
Bunton Waller Fellowship – PSU 2012-2017

Awards & Honors

Research and Graduate Studies Office Dissertation Support Award – PSU 2016
Center for Brain, Behavior, & Cognition Travel Award – PSU 2016
Penn State Psychology Dept. Travel Award 2016
Bruce V. Moore Graduate Fellowship in Psychology – PSU 2014
Research and Graduate Office Travel Award – PSU 2014
Office of Graduate Educational Equity Program Scholarship – PSU 2013, 2014
Cold Spring Harbor Laboratory Scholarship 2013
Multimodal Neuroimaging Training Program (MNTP: Pitt/CMU) 2012
Best Poster Presentation Award – University of Pittsburgh 2012
Post-Baccalaureate Fellow – University of Pittsburgh 2011-2012
National Conference on Mental Health and Disabilities
Student Research Fellowship 2010
Who's Who Among American Universities and Colleges 2010
FATTAH Conference on Higher Education Awardee 2010
McNair Scholar 2009-2011
Federation of American Societies for Experimental Biology
Student Research Travel Award 2009-2011
Summer Research Opportunity Program Scholar 2009, 2010
National Honors Society in Psychology (Psi Chi) 2009-
Thurgood Marshal Scholar and Awardee 2008-2010
Golden Key International Honour Society 2008-
University of the Virgin Islands' Honors Program 2008-2011
United States Model Congress Representative 2008
Dean's Honor's List - University of the Virgin Islands 2007-2011

Professional Training & Memberships

New York Neuropsychology Group (NYNG) - Annual Spring Conference	2016
Pennsylvania Black Conference on Higher Education	2013
American Psychological Sciences (Member)	2012-
American Psychological Association (Member)	2011-
Miss University of the Virgin Islands (1 st Runner Up)	2010
Advocacy Training (Women's Coalition)	2010

Leadership Service

Supervised Undergraduate Research Assistant's Honors Thesis	2016-2017
Black Graduate Student Association – Position: VP, etc.	2015-2016
Academic & Experimental Organization for Neuroscience – Positions: VP, etc.	2013-2014
Mentoring Undergraduate Research Assistants (4-5 Students)	2012-Present
Alpha Kappa Alpha Sorority, Incorporated	2010-
Undergraduate Student Government Association- Junior Senator	2009
Psi Chi National Honors Society for Psychology – Positions: President	2009-2011
Head Resident Assistant – UVI	2008-2011
Golden Key International Honour Society – Positions: Community Service Dir.	2008-2011
University of the Virgin Islands' Psychology Club	2008-2011
Volunteer Tutor in Math and Psychology – UVI	2008-2009

Methodology and Analysis Packages

Functional Magnetic Resonance Imaging	Structural Magnetic Resonance Imaging
Analysis of Functional NeuroImages	Freesurfer
Statistical Parametric Mapping (8 & 12)	Diffusion Tensor Imaging
FMRIB Software Library	FSL-Probabilistic Tractography & TBSS
Partial Least Squares Analyses	DSI Studio
Connectivity Analyses	Statistical Package for the Social Sciences
Seed-Based Connectivity (gPPI)	MATLAB
Lisrel	

Peer-Reviewed Publications

Accepted

Turney, I. C., Dennis, N. A., Maillet, D., & Rajah, M. N. (in press). Exploring the influence of encoding format on subsequent memory. *Memory*.

Turney, I. C., & Dennis, N. A. (2016). Elucidating the neural correlates of related false memories using a systematic measure of perceptual relatedness. *Neuroimage*.

Webb, C. E., **Turney, I. C.**, & Dennis, N. A. (2016). What's the Gist? The influence of schemas on the neural correlates underlying true and false memories, *Neuropsychologia*.

Dennis, N. A., Bowman, C. R., & **Turney, I. C.** (2015). Functional Neuroimaging of False Memories. In Duarte, Rose Addis, & Barense (Eds.), *The Cognitive Neuroscience of Human Memory*. Wiley-Blackwell.

Dennis, N. A., **Turney, I. C.**, Webb, C. E., & Overman, A. (2015). The effects of item familiarity on the neural correlates of successful associative memory encoding, *Cognitive, Affective, and Behavioral Neuroscience*.

In Preparation

Turney, I. C., Hakun, J., Ryan, C., & Dennis, N. A. (in prep). Structural connectivity in false memories.

Turney, I. C., & Dennis, N. A. (in prep). Elucidating age-related perceptual false memories.

Dennis, N. A., Webb, C. E., **Turney, I. C.** (in prep). Age-related differences in schematic true and false memory retrieval: The role of gist processing.

Conference Presentations

Talks

Turney, I. C., Johnson, C.E., & Dennis, N.A. (2014). *Exploring the neural correlates of true and false memory for conceptual pictures in older adults*. Talk presented at the 2014 Society for Neuroscience Conference, Washington, D.C.

Johnson, C.E., **Turney, I. C.**, & Dennis, N.A. (2014). *Examining the influence of thematic information on retrieval success*. Talk presented at the 2014 Society for Neuroscience Conference, Washington, D.C.

Posters

Turney, I. C., & Dennis, N. A. *A Systematic measure of perceptual relatedness in false*. Presented at the 2016 Cognitive Neuroscience Conference (April, 2016), New York City, NY.

Turney, I. C., & Dennis, N. A. *Age-related changes in the role of perceptual overlap in false memories*. Presented at the 2016 Cognitive Aging Conference (April, 2016), Atlanta, GA.

Turney, I. C., Maillet, D., Johnson, C. E., Dennis, N. A., & Rajah, M. N. *Exploring the Influence of Encoding Format on Subsequent Memory for Related Information in Older and Younger Adults*. Presented at the 2014 Cognitive Aging Conference (March, 2014), Atlanta, GA.

Johnson, C. E., **Turney, I. C.**, & Dennis, N. A. *Exploring the neural correlates of true and false memory for conceptual pictures*. Presented at the 2014 Cognitive Neuroscience Conference (April, 2014), Boston, MA

Bowman, C. R., **Turney, I. C.**, Dennis, N. A., & Adams, Jr., R. A. *The effects of face age on memory encoding: Neural similarities and differences in activity and functional connectivity*. Presented at the 2014 Cognitive Neuroscience Conference (April, 2014), Boston, MA

Turney, I. C., Weinstein, A. Erickson, K. I., et al. *The Effect of Brain-Derived Neurotrophic Factor (BDNF) gene on brain volume in older adults*. Presented at the 2012 Cognitive Aging Conference (March, 2012), Atlanta, GA.

Turney, I. C., Patterson, B., & Prakash, R. S. *Physical Activity and Cognitive Function in Multiple Sclerosis Patients*. Presented at the Fall Research Symposium at the University of the Virgin Islands (March, 2011), St. Croix, VI.

Turney, I. C., Patterson, B., & Prakash, R. S. *Physical Activity and Cognitive Function in Multiple Sclerosis Patients*. Presented at the 3rd Annual Institute of the Caribbean Exploratory NCMHD Research Center (October, 2010), St. Thomas, VI.

Turney, I. C., Patterson, B., & Prakash, R. S. *Physical Activity and Cognitive Function in Multiple Sclerosis Patients*. Presented at the Spring Research Symposium at the University of the Virgin Islands (September, 2010), St. Thomas, VI.

Turney, I. C., & Lovaglia, M. *Mate Selection in Young People*. Presented at the 2009 Annual Biomedical Research Conference for Minority Students (ABRCMS). (November, 2009), Phoenix, AZ

Turney, I. C., & Lovaglia, M. *Mate Selection in Young People*. Presented at the Fall Research Symposium at the University of the Virgin Islands (September, 2009), St. Croix, VI.

Invited Talks

False Memories and Cognitive Control: Studies from the CANLAB. May 2014
The Center for Brain, Behavioral, & Cognition - PSU

Teaching Experience

Co-Instructor – Seminar in Contemporary Psychology: SPM Course (PSY 511) Spring 2017
Pennsylvania State University
Lab Instructor – Research Methods (PSYCH 301W) Fall 2016
Excellent Evaluation Reviews – PSU
Teaching Assistant – Learning and Behavior (PSYCH 261) Spring 2013
Excellent Evaluation Reviews – PSU
Teaching Assistant – Learning and Memory (PSYCH 452) Fall 2012
Excellent Evaluation Reviews – PSU

Clinical Experience

Virgin Islands Pediatric Specialties, St. Croix, VI 2011
Applied Behavioral Analysis Training, St. Croix, VI 2011

References

Nancy A. Dennis, Ph.D.

Associate Professor of Psychology
Society for Cognition and Affective Neuroscience
Pennsylvania State University
Phone: 814.865.1712
Email: nad12@psu.edu

Natasha M. Rajah, Ph.D.

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Kirk I. Erickson, Ph.D.

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Center for the Neural Basis of Cognition
University of Pittsburgh
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Aletha Baumann, Ph.D.

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