

Daniel J. Norton Ph.D.

25 Stetson Ct., Room 139, Williamstown, MA, 01267
email: danieljnorton@gmail.com; phone: 781.454.8846 (mobile)

Education

Gordon College, B.A. <i>Psychology</i>	2005
Boston University, M.A. <i>Psychology</i>	2011
Boston University, Ph.D. <i>Clinical Psychology</i>	2015

Positions

<u>Years</u>	<u>Institution</u>	<u>Job Title</u>
7/2017 – present	Williams College	Visiting Assistant Professor
7/2015-6/2017	Massachusetts General Hospital	Clinical Fellow
7/2014-6/2015	McLean Hospital/Harvard Medical	Clinical Psychology Intern
9/2009-6/2015	Boston University	Graduate Student
1/2013-12/2013	Gordon College	Adjunct lecturer
6/2013-7/2013	UMass Boston	Adjunct lecturer
7/2005-8/2009	McLean Hospital	Research Assistant

Teaching Experience

Institution: **Williams College**

Years 7/2017-Present

Position: Visiting Assistant Professor of Psychology. Design and teach courses in Psychological Disorders, Senior Seminar in Psychology, and advanced seminar in Cognitive and Perceptual Changes in Mental Disorder.

Institution: **Gordon College**

Years 1/2013-5/2013, 9/2013-12/2013

Position: Adjunct lecturer. Designed and taught courses in Abnormal Psychology as well as Sensation and Perception. Responsible for all aspects of course design, implementation and evaluation of students.

Institution: **University of Massachusetts Boston**

Years 7/2013 – 8/2013

Position: Adjunct lecturer. Designed and taught in Sensation and Perception. Responsible for all aspects of course design, implementation and evaluation of students.

Grants, Honors, Awards

- National Research Service Award, National Institute of Neurological Disorders and Stroke (NIH) - F31 (\$97,735); Functional Characterization of Spatial Neglect in Parkinson's Disease (2011-2014).
- McLean Hospital's Rossano Mind, Brain & Behavior Pre-Doctoral Summer Fellowship (\$3,500); Isolation of Visual Inhibition Abnormality in Major Depressive Disorder, and its Relation to Depressive Symptomatology (2010)
- Melvin Yahr Travel award for Annual Congress on Parkinson's Disease (2014)
- Alzheimer's Association International Conference travel award winner (2016)
- Presidential University Graduate Fellowship awarded at Boston University for outstanding merit and test scores

Publications (peer reviewed, in chronological order)

Original Articles

- Chen, Y., Bidwell, L.C., **Norton, D.** (2006) Trait vs. state markers for schizophrenia: identification and characterization through visual processes. *Current Psychiatry Reviews*, 2, 431-8.
- Chen, Y., **Norton, D.**, McBain, R. (2008) Can persons with schizophrenia appreciate art? *Schizophrenia Research*, 105, 245-51.
- Chen, Y., **Norton, D.**, Öngür, D. (2008) Altered center-surround motion inhibition in schizophrenia. *Biological Psychiatry*, 64, 74-7.
- Chen, Y., **Norton, D.**, Öngür, D., Heckers, S. (2008) Inefficient face detection in schizophrenia. *Schizophrenia Bulletin*, 34, 367-74.
- Norton, D.**, Öngür, D., Stromeyer, C., Chen, Y. (2008) Altered 'three-flash' illusion in response to two light pulses in schizophrenia. *Schizophrenia Research*, 103, 275-82.
- Chen, Y., **Norton, D.**, McBain R. (2009) Visual processing as trait and state markers for schizophrenia. In: M Ritsner (Ed) *Neuropsychiatric Biomarkers, Endophenotypes, and Genes: Promises, Advances, and Challenges*. Springer, New York.
- Chen, Y., **Norton, D.**, McBain, R., Öngür, D., Heckers, S. (2009) Visual and cognitive processing of face information in schizophrenia: Detection, discrimination and working memory. *Schizophrenia Research*, 107, 92-8.
- McBain R., **Norton D.**, Chen Y. (2009) Females excel at basic face perception. *Acta Psychologica*, 130, 168-73.
- Norton D.**, McBain R, Chen Y. (2009). Reduced ability to detect facial configuration in middle-aged and elderly individuals: associations with spatiotemporal visual processing. *J Gerontol B Psychol Sci Soc Sci*. 64, 328-34.
- Norton, D.**, McBain, R., Holt, D., Öngür, D., Chen, Y. (2009) Association of impaired facial affect recognition with basic facial and visual processing deficits in schizophrenia. *Biological Psychiatry*, 65, 1094-8.
- McBain, R., **Norton, D.**, Chen, Y. (2010) A female advantage in basic face recognition absent in schizophrenia. *Psychiatry Research*, 177, 12-7.
- McBain, R., **Norton, D.**, Chen, Y. (2010) Differential roles of low and high spatial frequency content in abnormal facial emotion perception in schizophrenia. *Schizophrenia Research*, 122, 151-5.

- McBain, R., **Norton, D.**, Chen, Y. (2010) Is visual motion processing vulnerable to early aging? *The Open Behavioral Science Journal*, 4, 26-30.
- Chen, Y., McBain, R., **Norton, D.**, Öngür, D. (2011). Schizophrenia patients show augmented spatial frame illusion for visual and visuomotor tasks. *Neuroscience*, 172, 419-26.
- McBain, R., **Norton D.**, Kim J., Chen, Y. (2011) Reduced volitional control of a visually-bistable image in schizophrenia. *Journal of the International Neuropsychological Society*, 9, 1-6.
- Norton, D.**, Chen Y. (2011) Diminished priming of visual motion in schizophrenia. *Schizophrenia Research*, 127, 264-5.
- Norton, D.J.**, McBain, R., Öngür, D., Chen, Y. (2011) Perceptual training strongly improves visual motion perception in schizophrenia. *Brain and Cognition*. 77, 248-56.
- Chen, Y., Cataldo, A.C., **Norton, D.**, Öngür, D. (2012). Distinct facial processing in schizophrenia and schizoaffective disorders. *Schizophrenia Research*, 134, 95-100.
- Chen Y., **Norton D.J.**, McBain R., Gold J., Frazier J.A., Coyle J.T. (2012) Enhanced local processing of dynamic visual information in autism: Evidence from speed discrimination. *Neuropsychologia*, 50, 733-9.
- McBain R., **Norton D.J.**, Chen Y. (2012) Differential spatial frequency modulations on facial emotion detection. *The Open Behavioral Science Journal*, 6, 1.
- McBain R, **Norton D.J.**, Morris J, Yasamy M.T., Betancourt T.S. (2012). The role of health systems factors in facilitating access to psychotropic medicines: a cross-sectional analysis of the WHO-AIMS in 63 low- and middle-income countries. *PLoS Medicine*, 9, e1001166.
- Kim, J, **Norton, D.J.**, McBain R., Ongur, D., Chen, Y. (2013). Deficient biological motion perception in schizophrenia: results from a motion noise paradigm. *Frontiers in Psychology*, 4, 391.
- Chen Y, **Norton D.J.**, McBain R. (2014). Effects of domain-specific noise on visual motion processing in schizophrenia. *PLoS One*, 9, e99031
- Chen, Y., **Norton, D.J.**, Stromeyer, C. (2014). Prolonged temporal interaction for peripheral visual processing in schizophrenia: evidence from a three-flash illusion. *Schizophrenia Research*, 156, 190-6.

- Ekstrom, T, Maher, S, **Norton, D.J.**, Chen, Y. (2014). Within- and Between-Category Face Identity Discrimination: Association with Physical Facial Features. *The Open Behavioral Science Journal*, 8, 1-7.
- Hodges, B.H., Meagher, B.R., **Norton, D.J.**, McBain, R., Sroubek, A. (2014). Speaking from ignorance: Not agreeing with others we believe are correct. *Journal of Personality and Social Psychology*, 106, 218-34.
- Putcha, D., Ross, R.S., Rosen, M.L., **Norton, D.J.**, Cronin-Golomb, A., Somers, D.C., Stern, C.E. (2014). Diminished activation within cortical optic flow regions in Parkinson's disease. *Frontiers in Integrative Neuroscience*, 8, 57.
- Chen, Y., **Norton, D.J.**, McBain, R.K. (2015). Specific vulnerability of face perception to noise: a similar effect in schizophrenia patients and healthy controls. *Psychiatry Research*, 225: 619-24.
- Norton, D.J.**, Jaywant, A., Gallart-Palau, X., Cronin-Golomb, A. (2015). Normal discrimination of spatial frequency and contrast across visual hemifields in left-onset Parkinson's disease: Evidence against perceptual hemifield biases. *Vision Research*, 107: 94-100.
- Diaz-Santos, M., Cao, B., Yazdanbakhsh, A., **Norton, D.J.**, Nearing, S., Cronin-Golomb, A. (2015). Perceptual, cognitive and personality rigidity in Parkinson's disease. *Neuropsychologia*, 69:183-93.
- Norton, D.J.**, Nguyen, V.A., Lewis, M.F., Reynolds, G.O., Somers, D.C., Cronin-Golomb, A. (2016). Visuospatial attention to single and multiple objects is independently impaired in Parkinson's Disease. *PLoS One*, 1, e0150013.
- Norton, D.J.**, McBain, R.K., Pizzagalli, D.A., Cronin-Golomb A., Chen Y. (2016) Dysregulated inhibition of visual motion in major depression. *Psychiatry Research*, 240, 214-21.
- Norton, D.J.**, Amariglio, R., Aguirre-Acevedo, A.C., Opoka, S., Pulsifer, B., Jaimes, S.Y., Castrillon, G., Tirado, V., Munoz, C., Protas, H., Chen, K., Reiman, E., Lopera, F., Sperling, R.A., Quiroz, Y.T. (2017) Elevated subjective memory complaints in preclinical autosomal dominant Alzheimer's disease: divergent courses for informant and self-report. *Neurology*, 89, 1464-70.
- Quiroz, Y.T., Sperling, R.A., **Norton, D.J.**, Baena, A., Arboleda-Velasquez, J.F., Cosio, D., Schultz, A., Lapoint, M., Guzman-Velez, E., Miller, J.B., Kim, L.A., Chen, K., Tariot, P.N., Lopera, F., Reiman, E.M., Johnson, K. (In Press) Tau accumulation in the presenilin-1 E280A autosomal dominant Alzheimer's disease kindred: A cross-sectional PET imaging study. *JAMA Neurology*.

Under Review/ In Revision

Norton, D.J., Munro, C.E., Cronin-Golomb, A. (*In Revision*) Horizontal and vertical line bisection biases in left-onset Parkinson's disease are independent of saccadic abnormalities.

Abstracts, Papers, Posters presented

Chen, Y., **Norton, D.**, Öngür, D. (2006) Reduced Center-Surround Interaction in Visual Motion Processing of Schizophrenia: Evidence for Altered Spatial Organization of the Visual System. *Neuropsychopharmacology* 31 (supp. 1) s256.

Norton, D., Heckers, S., Öngür, D., Chen, Y. (2006) Perceptual priming of visual motion discrimination. Poster presented at annual meeting for the *Society for Research in Psychopathology*, and at *Harvard Medical School Psychiatry Day*. Boston, MA.

Chen, Y., **Norton, D.**, Öngür, D. (2007) Relationship between visual feature modulation and art appreciation in schizophrenia. Presented at *Society for Research in Psychopathology*. San Diego, CA.

Norton, D., Chen, Y. (2007) Dynamic and static visual functions in early and late stages of mental aging. Presented at *Harvard Medical School Psychiatry Day*. Boston, MA.

Norton, D., Öngür, D., Stromeyer, C., Chen, Y. (2007). Altered temporal interaction in response to two light pulses in schizophrenia. Presented at *Society for Research in Psychopathology*. Iowa City, IA.

Chen, Y., **Norton, D.**, McBain, R., Gold, J., Frazier, J., Coyle, J. (2008) Basic face detection deficit in adolescents with autism spectrum disorders. Presented at *Autism Consortium Annual Symposium*.

Hodges, B.H., **Norton, D.** (2008) Dissent as cooperation, and carrying as caring: Asch, Gibson, and values. Presented at *Society for Personality and Social Psychology*. Albuquerque, NM.

Meagher, B., Dennis, A., McBain, R., **Norton, D.**, Wu, J., Hodges, B. (2008) Speaking from ignorance: an inverse Asch effect. Presented at the meetings of the *Society for Personality and Social Psychology*. Albuquerque, NM.

- McBain, R., **Norton, D.**, Öngür, D., Chen, Y. (2008) A female advantage in perceptual processing of facial information absent in schizophrenia. Presented at conference for “the *Biological Basis for Psychiatric Disease*” at MIT McGovern Institute and Harvard Medical School Psychiatry Day. Cambridge, MA.
- Norton, D.**, McBain, R., Holt, D., Öngür, D., Chen Y. (2008) Roles of emotional, facial and visual signals in emotion recognition in schizophrenia. Presented at conference for “the *Biological Basis for Psychiatric Disease*” at MIT McGovern Institute and Harvard Medical School Mysell Psychiatry Day. Cambridge, MA.
- McBain, R., **Norton, D.**, Kim, J., Öngür, D., Chen, Y. (2009) Differential roles of basic visual information in fear and happiness perception in schizophrenia. Presented at Harvard Medical School Mysell Psychiatry Day. Boston, MA.
- Norton, D.**, McBain, R., Kim, J., Chen Y. (2009) Improvement of deficient visual motion perception in schizophrenia through perceptual learning. Presented at Harvard Medical School Mysell Psychiatry Day. Boston, MA.
- Norton, D.**, McBain, R., Chen Y. (2010) Reduced ability to detect facial configuration in middle-aged and elderly individuals: Associations with spatiotemporal visual processing. Presented at *Cognitive Aging Conference*. Atlanta GA.
- Norton, D.**, McBain, R., Ongur, D., Chen, Y. (2010) Perceptual learning strongly improves visual motion perception in schizophrenia. Presented at annual conference for *Association for Psychological Science*. Boston, MA.
- Norton, D.J.**, Laudate, T.M., Cronin-Golomb, A. (2011) Hemineglect in left-onset Parkinson’s disease is independent of visual scanning patterns. *Abstracts, International Neuropsychological Society 39th Annual Meeting*.
- Norton, D.J.**, Palau, X.G., Chen, Y., Cronin-Golomb A., (2011). Opposite central and peripheral perceptual biases during bisection of short and long lines: Compensation by attention? *Abstracts, 34th European Conference on Visual Perception*, Toulouse, France.
- Diaz-Santos, M, R., Monge, Z.A., **Norton, D.J.**, Cronin-Golomb, A. (2012) Contrast sensitivity in Parkinson’s disease with and without hallucinations. *Abstracts of the Cognitive Aging Conference*.
- Norton, D.J.**, Chen Y. (2012) Visual inhibition in depression. Presented at *McLean Research Day*, McLean Hospital, Belmont, MA.
- Reynolds, G.O., **Norton, D.J.**, Desai, N, Di Gaetano L., Cronin Golomb A. (2012) Differences in line bisection in younger and older adults: relation to peripheral contrast sensitivity. Presented at *Cognitive Aging Conference*, Atlanta, GA.

- Monge, Z.A., **Norton, D.J.**, Diaz-Santos, M., Gilmore, G.C., Cronin-Golomb, A. (2013) Visual search strategy in healthy aging, Alzheimer's disease, and Parkinson's disease. *Annual Science Symposium, Massachusetts Neuropsychological Society*, Boston MA.
- Munro, C., **Norton, D.J.**, Cronin Golomb A. (2013) The influence of target size and eccentricity on saccadic eye movements. *Annual Science Symposium, Massachusetts Neuropsychological Society*, Boston MA.
- Norton, D.J.**, Cronin-Golomb, A. (2013) Altered perception of spatial frequency but not contrast in left-onset Parkinson's Disease. Presented at *World Congress on Parkinson's Disease and related disorders*, Geneva Switzerland.
- Norton, D.J.**, Cronin-Golomb, A., Pizzagalli, D.A., Chen, Y. (2013) Increased center-surround suppression of early visual motion processing in current major depression. Presented at *Association for Psychological Science*, Washington D.C.
- Nguyen, V.A., **Norton, D.J.**, Cronin Golomb A. (2014) Deficient dynamic spatial attention in Parkinson's disease. *Cognitive Aging Conference*, Atlanta GA.
- Norton, D.J.**, Amariglio, R., Aguirre-Acevedo, D.C., Opoka, S., Pulsifer, B., Jaimes, S.Y., Castrillon, G., Tirado, V., Munoz³, C., Lopera, F., Sperling, R.A., Quiroz, Y.T. (2015). Associations Between Subjective Memory Complaints and Hippocampal Volume in Preclinical Early Onset Alzheimer's Disease. Presented at *MGH Clinical Research Day.*, Boston, MA.
- Quiroz, Y.T., Sperling, R., Baena, A., Arboleda-Velasquez, J., Schultz, A., Cosio, D., Lapoint, M., Judge, K., Jaimes, S., **Norton, D.J.**, Reiman, E., Lopera, F., Johnson, K. Tau and amyloid PET imaging in a Colombian kindred with autosomal-dominant Alzheimer's disease: A preliminary report. (2016) Presented at *Human Amyloid Imaging Conference*, Miami FL.
- Pulsifer, B., **Norton, D.J.**, Baena, A., Lopera, F., Quiroz, Y.T. (2016). Face-name association learning in autosomal-dominant Alzheimer's Disease. Presented at *Cognitive Aging Conference*, Atlanta, GA.
- Norton, D.J.**, Baena, A., Pulsifer, B., Lopera, F., Quiroz Y. Face-name recognition memory in preclinical autosomal-dominant Alzheimer's disease: An fMRI study. (2016) Presented at *Alzheimer's Association International Conference, Toronto, Canada*, 2016.
- Norton, D.J.**, Baena, A, Guzman-Velez, E, Lopera, F., Quiroz, Y.T. (2017) Short term visual memory binding deficits in preclinical AD: Relation to tau and amyloid burden. Presented at the *Association for Psychological Science annual convention*.

Professional Service

- Ad-hoc reviewer for the following journals:
 - *Journal of Abnormal Psychology*
 - *Journal of Consulting and Clinical Psychology*
 - *Journal of the International Neuropsychological Society*
 - *European Journal of Psychiatry*
 - *Journal of Cognitive Neuroscience*
 - *Schizophrenia Bulletin*
 - *Metabolic Brain Disease*
 - *Brain Research*
 - *Vision Research*
 - *Psychiatry Research*
 - *Journal of Gerontology Psychological Sciences*
 - *Nature: Scientific Reports*

Skills & Training

- Extensive experience in mentoring undergraduates and recent college graduates in research, and offering guidance in career development with a specific focus on obtaining admission to graduate school.
- Extensive training and experience in psychotherapy, with a focus applying empirically supported principles from CBT, ACT and interpersonal therapy.
- Extensive training in psychological assessment, including standardized assessment instruments, such as the Structured Clinical Interview for DSM-IV (SCID-IV), Anxiety Disorders Interview Schedule (ADIS-IV), Autism Diagnostic Observation Schedule (ADOS), Positive and Negative Syndrome Scale (PANSS), Wechsler Adult Intelligence Scale – IV and Diagnostic Interview for Personality Disorders.
- Extensive experience in designing and executing psychological experiments using psychophysical methods. This includes programming visual experiments from scratch using MATLAB, as well as collecting and analyzing eye-tracking data by creating custom analytical programs in MATLAB.
- Extensive experience collecting and analyzing fMRI data from human subjects.

- Extensive experience with statistical analysis using software packages such as R, LISREL, SPSS, SYSTAT, SigmaPlot, and MS Excel.

Clinical training

Institution: **Center for Anxiety and Related Disorders, Boston University**

Years 9/2010 – 5/2011

Position: Student practicum trainee in psychotherapy. Performed semi-structured diagnostic intake assessments of DSM-IV Axis-I disorders, focusing on mood and anxiety disorders. Provided short-term individual empirically supported cognitive behavioral therapy to the Boston Community.

Clinical Supervisor: Lisa Smith, Ph.D.

Institution: **Psychological Services Center, Boston University**

Years: 2010 - 2011

Position: Student practicum trainee in neuropsychological assessment. Performed comprehensive neuropsychological assessments to Boston University affiliates with ADHD and/or learning disabilities.

Clinical Supervisor: Rosemary Toomey, Ph.D.

Institution: **Behavioral Health Partial Hospital Program, McLean Hospital**

Years 9/2011 – 7/2012

Position: Student practicum trainee. Trained in individual consultation and short-term psychotherapy for individuals with severe mood, psychotic and personality disorders. Co-led five CBT-based therapy groups per week, meeting thrice weekly with three patients per week on average. Also administered semi-structured interviews for the assessment of personality disorders and Axis-I disorders.

Clinical Supervisors: Catherine Bell, Ph.D., Katrina McCoy, Ph.D., Kathryn Eve Lewandowski, Ph.D.

Institution: **Eating Disorders Program, Boston University**

Years 10/2012 – 5/2013

Position: Student practicum trainee. Trained in interpersonal and cognitive behavioral therapies for eating disorders including bulimia nervosa, anorexia nervosa and binge eating disorder.

Clinical Supervisors: Heather Thompson-Brenner, Ph.D., Director

Institution: **McLean Hospital, Harvard Medical School**

Years 7/2014 – 6/2015

Position: Clinical Psychology Intern. Individual and group therapist in partial hospital treating many forms of severe psychopathology. Specialty rotations in DBT for borderline personality disorder, motivational interviewing for substance abuse, case management, and exposure and response prevention for obsessive compulsive disorder. Advanced training didactics in suicide, ACT, and psychodynamic theory.

Clinical Director: Thröstur Björgvinsson, Ph.D.

Institution: **Massachusetts General Hospital, Harvard Medical School**

Years 7/2015 – 7/2017

Position: Clinical Fellow in Psychiatry. Provided individual psychotherapy and assessment for individuals with a range of presenting problems including anxiety, mood disorders, and psychosis. Focused training in CBT and empirically supported treatments in general.

Clinical Supervisor: Diana Ronnel, Ph.D.

References

<u>Name</u>	<u>Relationship</u>	<u>Email</u>
Alice Cronin-Golomb	Ph.D. Advisor	alicecg@bu.edu
David Barlow	Research Mentor	olenkao@bu.edu
Laurie Heatherington	Teaching Mentor	lheather@williams.edu