

**Jessica A. Bernard**  
**Curriculum Vitae**  
Texas A&M University  
Department of Psychological and Brain Sciences  
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## ACADEMIC APPOINTMENTS

- August 2015      **Assistant Professor** Texas A&M University  
Department of Psychological and Brain Sciences
- September 2013-  
July 2015      **Post-Doctoral Fellow** University of Colorado Boulder,  
Department of Psychology and Neuroscience  
ADAPT Program  
Supervisor: Vijay Mittal, PhD
- October 2012 -  
August 2013      **Post-Doctoral Fellow** University of Colorado Medical School  
Neurology Department  
Supervisor: Benzi Kluger, M.D.

## EDUCATION

- August 2012      **PhD.** Department of Psychology, University of Michigan, Ann Arbor, MI  
Cognition & Cognitive Neuroscience Area.  
Advisor: Rachael D. Seidler, PhD  
Dissertation: The aging cerebellum: Cortico-cerebellar connectivity, volume,  
and the impact on behavior.
- August 2009      **M.S.** Department of Psychology, University of Michigan, Ann Arbor, MI  
Cognition & Cognitive Neuroscience Area.
- May 2007      **B.S.** Biological Psychology *cum laude*, Tufts University, Medford, MA

## RESEARCH TRAINING

- 2008-2012      LIFE – The Life Course: Evolutionary and Ontogenetic Dynamics,  
A collaborative graduate program between Max Planck Institute for Human  
Development, Berlin; Humboldt University, Berlin; Free University of Berlin;  
University of Zurich; University of Virginia, and University of Michigan; twice  
yearly academic meetings

Fall 2007            Intensive Course in Transcranial Magnetic Stimulation.  
Harvard Medical School Department of Continuing Education, Beth Israel  
Deaconess Medical Center. Directed by Alvaro Pascual-Leone, M.D., Ph.D.

## **GRANT FUNDING**

### **Active**

National Institute on Aging R01 (AG064010-01)

Title: A longitudinal investigation of the cerebellum in adulthood: anatomical and network changes, motor function, and cognition

Role: PI

Project Period: 9/1/19-5/31/24

Total Costs: \$3,049,115

Co-Is: Gerianne Alexander, Sharon Dormire, Marielle Engelen, Huiyan Sang

Goal: Determine trajectories of cerebellar structural and network decline during middle age and older adulthood with respect to motor and cognitive performance changes, and to examine sex differences in both cerebellar and behavioral trajectories

National Institute of Mental Health R01

Title: An examination of psychomotor disturbance in current and remitted MDD: An RDoC Study

Role: Co-Investigator

PIs: Stewart Shankman, Vijay Mittal, Sebastian Walther

Project Period: 4/1/19-3/31/24

Total Costs TAMU: \$100,645

Goal: Investigate psychomotor agitation and psychomotor retardation in patients with either current or remitted major depressive disorder to understand the relationship between psychomotor disturbance and disease course, and to determine differences in motor network connectivity in major depressive disorder.

Texas A&M Triads for Transformation

Title: Non-invasive modulation of the dopaminergic midbrain and the influence on motor learning and retention

Role: PI

Project Period: 5/1/2018-4/31/2019 (No Cost Extension)

Total Costs: \$30,000

Goal: Determine the impact of transcranial direct current stimulation targeting the midbrain, and purported to increase the release of dopamine, on motor learning and retention, as well as brain activation and resting state connectivity.

Catapult Seed Grant

Title: Stress, cognitive impairment, and self-management behaviors among rural minorities diagnosed with Type-2 diabetes

Role: Co-Investigator

PI: Idethia Shevon Harvey

Project Period: 1/15/2020-6/15/2021

Total Costs: \$30,000

Goal: The goal of this work is to understand how stress and cognitive impairment impact differences in Type-2 diabetes self-management in rural African Americans.

Swiss National Science Foundation (SNSF)

Title: Overcoming psychomotor slowing in psychosis – a combined neuroimaging and transcranial magnetic stimulation study on the pathophysiology of motor slowing

Role: Project Partner (SNSF equivalent of Co-Investigator)

PI: Sebastian Walther

Goal: Determine the efficacy of transcranial magnetic stimulation to treat psychomotor slowing in patients with psychosis, and to determine the mechanistic underpinnings for these effects using neuroimaging.

### **Under Review**

National Science Foundation CAREER Award

Title: CAREER: Shaky Scaffolding: The Cerebellum in Behavior and Cortical Function in Aging

Role: PI

Project Period: 6/1/2021-5/31/2026

Total Costs: \$854,658

Goal: Determine the role of cerebellar function in motor and cognitive behavior in older adults, and the degree to which cerebellar activation relates to cortical activation patterns.

National Institute on Aging R21

Title: The Role of Cognitive Impairment, Psychological Stressors, and Self-management Behaviors among African Americans (IMPAIRed) Study.

Role: Co-Investigator

PI: Idethia Shevon Harvey

Performance Period: 4/1/2021-3/31/2023

Total Costs: \$432,532

Goal: Examine the impact of cognitive function and impairment among African Americans diagnosed with chronic conditions.

National Science Foundation

Title: Monitoring Cognitive Decline Through Digital Sketch and Activity Recognition

Role: Co-PI

PI: Tracy Hammond

Performance Period: 5/1/2021-4/30/2025

Total Costs: \$2,000,000

Goal: Develop a sketch-based system to detect cognitive decline using digitized neuropsychological assessment and machine learning.

National Institute of Mental Health R03

Title: Subcortical network scaffolding and cortical network dysfunction across the psychosis spectrum

Role: PI

Performance Period: 7/1/2021-6/30/2023

Total Costs: \$140,883

Goal: Determine the degree to which subcortical network coherence gives rise to cortical network organization and alterations in psychosis, and in individuals with phenotypic variability in psychiatric symptomatology

National Institute on Aging R61/R33

Title: Managing COPD in the home setting using targeted nutrition alongside exercise rehabilitation: an efficacy trial, reCHARgE trial

Role: Co-I

PI: Marielle Engelen

Performance Period: 6/1/2021-5/31/2026

Total Direct Costs (Bernard): \$131,622

Goal: Determine the efficacy of home-based exercise in improving functional and cognitive outcomes for rural older adults with COPD.

### **Completed**

Brain and Behavior Research Foundation NARSAD Independent Investigator Award

Title: Cerebellar Stimulation and Verbal Working Memory in Early Course Psychosis: Insights from Functional Neuroimaging

Role: Co-Investigator

Project Period: 9/2017-8/2019 (No cost extension through April 2020)

Total Direct Costs: \$99,000

TAMU Direct Costs: \$13,060

Goal: Test the utility of cerebellar brain stimulation for improving working memory deficits in patients with early course psychosis.

Brain & Behavior Research Foundation (NARSAD) Young Investigator Grant

Donald and Janet Boardman Family Investigator

Title: Cerebello-Prefrontal Involvement in Error Processing and Rule Learning in Youth at Ultra High-Risk for Psychosis

Role: PI

January 15, 2015 – January 15, 2017

Direct Costs: \$65,000

Currently in No Cost Extension Through March 2018

National Institute of Mental Health (NIMH) Ruth L. Kirschstein National Research Service Award

Title: Cerebellar Contributions to Disease Course in Youth at High-Risk of Psychosis

F32MH102898-01

Role: Post-Doctoral Trainee

Sponsor: Vijay A. Mittal, Co-Sponsors: Marie T. Banich & Jessica A. Turner

October 2013-July 2015

Impact Score: 17 Percentile: 4

Direct Costs: \$98,428

National Institute of Aging (NIA) National Research Service Award (NRSA) Institutional Training Grant

NIA T32AG000279

October 2012-August 2013

Role: Post-doctoral Trainee

University of Colorado Denver, Department of Neurology

PI: Robert Schwartz

Mentor: Benzi Kluger, Co-Mentor: Roger Enoka

National Institute of Aging (NIA) National Research Service Award (NRSA) Institutional Training Grant

NIA T32AG000114

2010-2012

Role: Pre-doctoral Trainee

University of Michigan, Department of Psychology

PI: Richard Miller

Mentor: Rachael D. Seidler

## AWARDS & HONORS

2020	LIFE Outstanding Alumni Award, for continued excellence in interdisciplinary developmental science post PhD
2019	Dr. Robert M. Gates Inspiration Award (Teaching award, TAMU)
2017	Association for Psychological Science Rising Star
2016-2017	National Institutes of Health Clinical Loan Repayment Award (Renewal)
2015	International Congress on Schizophrenia Research Young Investigator Travel Award
2014-2016	National Institutes of Health Clinical Loan Repayment Award
October 2012- August 2013	University of Colorado Integrative Physiology of Aging T32 Training Grant
2012	Rackham One-Term Dissertation Fellowship, University of Michigan
2010-2012	University of Michigan Biology of Aging T32 Training Grant
2011	Elderhostel K. Patricia Cross Doctoral Research Grant Finalist (Top 7 Of Over 100 Applications)
2011	Rackham Conference Travel Grant, University of Michigan
2010	Rackham Conference Travel Grant, University of Michigan
2010	Barbara Perry Roberson Fellowship, University of Michigan
2009	Michigan Center for Advancing Safe Transportation Throughout the Lifespan (MCASTL) Student of the Year
2009	Barbara A. Oleshansky Memorial Award
2009	NSF Graduate Research Fellowship Program Honorable Mention
2008	Rackham Graduate Student Research Grant, University of Michigan
2008	Rackham Conference Travel Grant, University of Michigan

## SCHOLARLY WORKS

### Published Manuscripts

**H-index: 28 I10-index: 41 Total citations: 3,285**

### Metrics from Google Scholar Citations

\*TAMU Graduate Student, #TAMU Undergraduate Student

57. Mittal, V.A., **Bernard, J.A.**, Walther, S. Cerebellar-thalamic circuits play a critical role in psychomotor function. (In Press). *Molecular Psychiatry*.

56. Clark, S.V., Tannahill, A., Calhoun, V.D., **Bernard, J.A.**, Bustillo, J. & Turner, J.A. (In Press). Weaker cerebello-cortical connectivity within sensorimotor and executive networks in schizophrenia compared to healthy controls: Relationships with processing speed. *Brain Connectivity*.
55. Dean, D.J., **Bernard, J.A.**, Damme, D.S.F., Orr, J.M., & Mittal, V.A. (In Press). Longitudinal assessment and functional neuroimaging of movement variability reveals novel insights into motor dysfunction in clinical high risk for psychosis. *Schizophrenia Bulletin*.
54. Osborne, K.J., Damme, K.S.F., Gupta, T., Dean, D.J., **Bernard, J.A.**, & Mittal, V.A. (In Press). Timing dysfunction and cerebellar resting state functional connectivity abnormalities in youth at clinical high-risk for psychosis. *Psychological Medicine*.
53. Pelletier-Baldelli, A., Orr, J.M., **Bernard, J.A.**, & Mittal, V.A. (In Press) Social reward processing: a biomarker for predicting psychosis risk? *Schizophrenia Research*.
52. **Bernard, J.A.**, Nguyen, A., #Hausman, H.K., #Goen, J.R.M., \*Maldonado, T., \*Ballard, H.K., \*Jackson, T.B., #Eakin, S.M., \*Lokshina, Y. (2020). Shaky Scaffolding: Age Differences In Cerebellar Activation Revealed Through Activation Likelihood Estimation Meta-Analysis. *Human Brain Mapping*.1-27.
51. \*Jackson, T.B., \*Maldonado, T., Eakin, S.M., Orr, J.M., & **Bernard, J.A.** (2020). Cerebellar and prefrontal engagement during higher-order rule learning in older adulthood. *Neuropsychologia*, 148, 107620.
50. Orr, J.M., \*Lopez, J., \*Imburgio, M.J., Pelletier-Baldelli, A., **Bernard, J.A.**, & Mittal, V.A. (2020). Early signs of disrupted rule learning in adolescents at clinical high risk for psychosis. *Neuroimage: Clinical*, 27, 102286.
49. \*Maldonado, T., Orr, J.M., #Goen, J.R.M., & **Bernard, J.A.** (2020). Age differences in the subcomponents of executive functioning. *The Journals of Gerontology: Series B Psychological Sciences and Social Sciences*, 75(6), e31-e55.
48. #^Hausman, H.K., \*^Jackson, T.B., Goen, J.R.M., & **Bernard, J.A.** (2020). From synchrony to asynchrony: cerebellar-basal ganglia functional circuits in young and older adults. *Cerebral Cortex*, 30, 718-729. (^contributed equally)
47. \*Maldonado, T., #Goen, J.R.M., \*Imburgio, M.J., #Eakin, S.M., **Bernard, J.A.** (2019). High definition transcranial direct current stimulation to the cerebellum does not effect higher cognitive function. *PLOS ONE*, 14(10), e0222995.
46. Orr, J.M., Imburgio, M.J\*, **Bernard, J.A.**, Banich, M.T. (2019). Striatal-frontal network activation during voluntary task selection under conditions of monetary reward. *Cognitive, Affective, and Behavioral Neuroscience*, 19, 568-585.

45. \*Ballard, H., #Goen, J.R.M, \*Maldonado, T, & **Bernard, J.A.** (2019). Transcranial direct current stimulation to the posterior cerebellum facilitates motor sequence learning. *Journal of Neurophysiology*, 122, 490-499.
44. Damme, K., Gupta, T., Nusslock, R., **Bernard, J.A.**, Orr, J.M., & Mittal, V.A. (2019). Cortical Morphometry in the Psychosis Risk Period: A comprehensive perspective of surface features. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*, 4, 434-443.
43. Walther, S. **Bernard, J.A.**, Mittal, V.A., & Shankman, S.A. (2019). The utility of an RDoC motor domain to understand psychomotor symptoms in depression. *Psychological Medicine*, 49, 212-216.
42. Gupta, T., Dean, D.J., Kelley, N.J., **Bernard, J.A.**, Ristanovic, I., & Mittal, V.A. (2018). Cerebellar transcranial direct current stimulation (tDCS) improves procedural learning in nonclinical psychosis: a double-blind crossover study. *Schizophrenia Bulletin*. 44, 1373-1380.
41. Dean, D.J., Walther, S., **Bernard, J.A.**, & Mittal, V.A. (2018). Motor clusters reveal differences in risk for psychosis, cognitive function, and functional connectivity: evidence for vulnerability subtypes. *Clinical Psychological Science*, 6, 721-734.
40. **Bernard, J.A.**, Orr, J.M., Dean, D.J., & Mittal, V.A. (2018). The cerebellum and learning of non-motor associations in individuals at clinical-high risk for psychosis. *Neuroimage: Clinical*, 19, 137-146.
39. Clark, S.V., Ahmadi, A., **Bernard, J.A.**, Mittal, V.A., & Turner, J.A. (2018). Stronger default mode network connectivity is associated with poorer clinical insight in adolescents at ultra-high risk for psychosis. *Schizophrenia Research*, 193, 244-250.
38. **Bernard, J.A.** & Orr, J.M. (2017). Neuroimaging Biomarkers of Psychopathology: A Silver Bullet for Prediction, or Too Soon to Tell? *Journal of Ethics in Mental Health*, 10, 1-12.
37. Osborn, K.J., **Bernard, J.A.**, Gupta, T., Dean, D.J., Millman, Z., Vargas, T., Ristanovic, I., Schiffman, J., & Mittal, V.A. (2017). Beat Gestures and Postural Control in Youth at Ultrahigh Risk for Psychosis. *Schizophrenia Research*, 185, 197-199.
36. Mittal, V.A., **Bernard, J.A.**, & Northoff, G. (2017). A circuit-based perspective of motor research in psychiatric disorders. *Schizophrenia Bulletin*, 43(5), 949-955.
35. **Bernard, J.A.**, #Goen, J.R.M., Maldonado, T.\* (2017). A Case for Motor Network Contributions to Psychosis Symptoms: Evidence from Resting State Connectivity. *Human Brain Mapping*, 38(9), 4535-4545.
34. **Bernard, J.A.**, Orr, J.M., & Mittal, V.A. (2017). Cerebello-thalamo-cortical networks predict positive symptom progression in individuals at ultra-high risk for psychosis. *Neuroimage: Clinical*, 14, 622-628.

33. **Bernard, J.A.**, Russell, C.E., Newberry, R.E., #Goen, J.R.M., Mittal, V.A. (2017). Patients with schizophrenia show aberrant patterns of basal ganglia activation: evidence from ALE meta-analysis. *NeuroImage: Clinical*, 14, 450-463.
32. Gupta, T., Silverstein, S.M., **Bernard, J.A.**, Keane, B.P., Papatomas, T.V., Pelletier-Baldelli, A., Dean, D.J., Newberry, R.E., Ristanovic, I., & Mittal, V.A. (2016). Disruptions in neural connectivity associated with reduced susceptibility to a depth inversion illusion in youth at ultra high risk for psychosis. *NeuroImage: Clinical*, 12, 681-690.
31. **Bernard, J.A.**, Orr, J.M., & Mittal, V.A. (2016). Differential motor and prefrontal cerebello-cortical network development: evidence from multimodal neuroimaging. *NeuroImage*, 124 (Part A), 591-601.
30. Dean, D.J., Orr, J.M., **Bernard, J.A.**, Gupta, T., Pelletier-Baldelli, A., Carol, E.E., & Mittal, V.A. (2016). Hippocampal shape abnormalities predict disease progression in neuroleptic-free youth at ultra high risk for psychosis. *Schizophrenia Bulletin*, 42(1), 161-169.
29. **Bernard, J.A.**, Millman, Z.B., & Mittal, V.A. (2015). Beat and metaphoric gestures are differentially associated with regional cerebellar and cortical volumes. *Human Brain Mapping*, 36(10), 4016-4030.
28. **Bernard, J.A.** & Mittal, V.A. (2015). Updating the research domain criteria: the utility of a motor dimension. *Psychological Medicine*, 45(13), 2685-2689.
27. Pelletier-Baldelli, A., **Bernard, J.A.**, Mittal, V.A. (2015). Intrinsic functional connectivity and social processes in youth at ultra-high risk for psychosis. *PLoS One*, 10(8), e0134936.
26. **Bernard, J.A.** & Mittal, V.A. (2015). Dysfunctional activation of the cerebellum in schizophrenia: a functional neuroimaging meta-analysis. *Clinical Psychological Science*, 3(4), 545-566.
25. **Bernard, J.A.**, Orr, J.M., & Mittal, V.A. (2015). Abnormal hippocampal-thalamic white matter tract development and positive symptom course in adolescents at ultra high-risk for psychosis. *npj Schizophrenia*, 1, Article number 15009.
24. Festini, S.B., **Bernard, J.A.**, Kwak, Y., Peltier, S., Bohnen, N.I., Muller, M.L.T.M., Dayalu, P., & Seidler, R.D. (2015). Cerebellar connectivity in Parkinson's patients ON and OFF medication: evidence for compensatory and pathological connectivity. *Frontiers in Human Neuroscience*, 9, 214.
23. Dean, D.J., Kent, J.S., **Bernard, J.A.**, Orr, J.M., Gupta, T., Pelletier-Baldelli, A., Carol, E.E., & Mittal, V.A. (2015). Increased postural sway predicts negative symptom progression in youth at ultra high-risk for psychosis. *Schizophrenia Research*, 162(1-3), 86-89.

22. **Bernard, J.A.**, Leopold, D.R., Calhoun, V.D., & Mittal, V.A. (2015). Regional cerebellar volume and cognitive function from adolescence to late middle age. *Human Brain Mapping*, 36(3), 1102-1120.
21. **Bernard, J.A.** & Mittal, V.A. (2014). Cerebellar motor dysfunction in schizophrenia and psychosis risk: the importance of regional cerebellar analysis approaches. *Frontiers in Psychiatry Schizophrenia*, 5, 160.
20. Mittal, V.A., Dean, D.J., **Bernard, J.A.**, Orr, J.M., Pelletier-Baldelli, A.L., Carol, E., Gupta, T., Turner, J., Leopold, D., Robustelli, B., & Millman, Z. (2014). Neurological soft signs predict abnormal cerebellar-thalamic tract development and negative symptoms in adolescents at high-risk for psychosis: a longitudinal perspective. (Invited Submission). *Schizophrenia Bulletin*, 40(6), 1204-1215.
19. **Bernard, J.A.**, Dean, D.J., Kent, J.S., Orr, J.M., Pelletier-Baldelli, A., Lunsford-Avery, J., Gupta, T., & Mittal, V.A. (2014). Cerebellar Networks in Individuals at Ultra High-Risk of Psychosis: Impact on Postural Sway and Symptom Severity. *Human Brain Mapping*, 35(8), 4064-4078.
18. **Bernard, J. A.**, Peltier, S. J., Benson, B.L., Wiggins, J. L., Jaeggi, S. M., Buschkuhl, M., Jonides, J. Monk, C. S., & Seidler, R. D. (2014). Dissociable functional networks of the human dentate nucleus. *Cerebral Cortex*, 24(8), 2151-2159.
17. **Bernard, J.A.** & Seidler, R.D. (2014). Moving forward: Age effects on the cerebellum underlie cognitive and motor declines. *Neuroscience and Biobehavioral Reviews*, 42, 193-207.
16. Bo, J., Lee, C.M., Kwak, Y., Peltier, S.J., **Bernard, J.A.**, Buschkuhl, M., Jaeggi, S.M., Wiggins, J.L., Jonides, J., Monk, C.S., & Seidler, R.D. (2014). Lifespan differences in cortico-striatal resting state connectivity. *Brain Connectivity*, 4, 166-180.
15. Buschkuhl, M., Hernandez-Garcia, L., Jaeggi, S.M., **Bernard, J.A.**, & Jonides, J. (2014). Neural effects of short-term training on working memory. *Cognitive, Affective, and Behavioral Neuroscience*, 14, 147-160.
14. Dean, D.J., **Bernard, J.A.**, Orr, J.M., Pelletier, A.L., Gupta, T., Carol, E.E., & Mittal, V.A. (2014). Cerebellar morphology and procedural learning impairment in neuroleptic-naïve youth at ultra high-risk of psychosis. *Clinical Psychological Science*, 2, 152-164.
13. Lunsford-Avery, J.R., Orr, J.M., Pelletier-Baldelli, A.L., Dean, D.J., Smith Watts, A.K., **Bernard, J.A.**, Millman, Z.B., Mittal, V.A. (2013). Sleep dysfunction and thalamic abnormalities in adolescents at ultra high-risk for psychosis. *Schizophrenia Research*, 151, 148-153.

12. **Bernard, J.A.** & Seidler, R.D. (2013). Relationships between regional cerebellar volume and sensorimotor and cognitive function in young and older adults. *The Cerebellum*, 12, 721-737.
11. Seidler, R.D., Kwak, Y.B., Fling, B.W., & **Bernard, J.A.** (2013). Neurocognitive mechanisms of error-based motor learning. *Advances in Experimental Medicine and Biology*, 782, 39-60.
10. **Bernard, J. A.**, Peltier, S. J., Benson, B.L., Wiggins, J. L., Jaeggi, S. M., Buschkuehl, M., Fling, B.W., Kwak, Y., Jonides, J. Monk, C. S., & Seidler, R. D. (2013). Disrupted cortico-cerebellar connectivity in older adults. *NeuroImage*, 83, 103-119.
9. **Bernard, J.A.**, & Seidler R.D. (2013). Cerebellar contributions to visuomotor adaptation and motor sequence learning: An ALE meta-analysis. *Frontiers in Human Neuroscience*, 7:27.
8. **Bernard, J.A.** & Seidler, R.D. (2012). Hand dominance and age have interactive effects on motor cortical representations. *PLOS One*, 7(9): e45443.
7. **Bernard, J. A.**, Seidler, R.D., Hassevoort, K., Benson, B.L., Wiggins, J. L., Jaeggi, S. M., Buschkuehl, M., Jonides, J. Monk, C. S., & Peltier, S.J. (2012). Resting state cortico-cerebellar functional connectivity networks: A comparison of anatomical and data-driven approaches. *Frontiers in Neuroanatomy*, 6:31.
6. **Bernard, J.A.** & Seidler, R.D. (2012). Evidence for motor cortex dedifferentiation in older adults. *Neurobiology of Aging*, 33, 1890-1899.
5. Anguera, J.A., **Bernard, J.A.**, Reuter-Lorenz, P.A., Jaeggi, S.M., Buschkuehl, M., Benson, B.L, Jennett, S., Humfleet, J., Jonides, J., & Seidler, R.D. (2012). The effects of working memory resource depletion and training on sensorimotor adaptation. *Behavioural Brain Research*, 228, 107-115.
4. **Bernard, J.A.**, Taylor, S.F., & Seidler, R.D. (2011). Handedness, dexterity, and motor cortical representations. *Journal of Neurophysiology*, 105, 88-99.
3. Seidler, R.D., **Bernard, J.A.**, Burutolu, T.B., Fling, B.W., Gordon, M.T., Gwin, J.T., Kwak, Y., & Lipps, D.B. (2010). Motor control and aging: links to brain structural, functional and biochemical changes. *Neuroscience and Biobehavioral Reviews*, 34(5), 721-733.
2. Fling, B.W., **Bernard, J.A.**, Bo, J., & Langan, J. (2008). Corpus callosum and bimanual coordination in multiple sclerosis. *Journal of Neuroscience*, 28(29), 7248-7249. Journal club feature.
1. Keene, A.C., Krashes, M.J., Leung, B., **Bernard, J.A.**, & Waddell, S. (2006). *Drosophila* dorsal paired medial neurons provide a general mechanism for memory consolidation. *Current Biology*, 16, 1524-1530.

**Manuscripts Under Review/Revision**

Orr, J.M., \*Jackson, T.B., & **Bernard, J.A.** (Under Revision). Dissociable patterns of PFC-cerebellum connectivity with implications for hierarchical models of executive function. Preprint: <https://www.biorxiv.org/content/10.1101/431593v1.full>

##Imburgio, M.J., ##Ballard, H.K., \*Cornwall, A.C., Worthy, D.A., ‡**Bernard, J.A.**, & ‡Orr, J.M. (Under Revision). Non-invasive modulation of dopamine via prefrontal transcranial electrical stimulation. (# contributed equally; ‡ contributed equally). Preprint: <https://www.biorxiv.org/content/10.1101/697466v1.abstract>

\*Ballard, H.K., Eakin, S.M., Goen, J.R.M., \*Maldonado, T., & **Bernard, J.A.** (Under Revision). Using high-definition transcranial direct current stimulation to elucidate the role of the cerebello-thalamo-prefrontal network in explicit sequence learning. Preprint: <https://www.biorxiv.org/content/10.1101/727842v1.abstract>

Kim, T., Buchanan, J.J., **Bernard, J.A.**, Wright, D.L. (Under Review). Applying transcranial direct current stimulation at PMd facilitates online and offline gain for multiple motor skills acquired in a repetitive practice context.

**Manuscripts in Progress**

**Bernard, J.A.**, \*Ballard, H.K., & \*Jackson, T.B. (In Preparation). Dentato-thalamo-cortical connectivity and behavior across adulthood: a large-scale resting state functional connectivity investigation.

\*Ballard, H.K., \*Jackson, T.B., & **Bernard, J.A.** (In Preparation). The influence of reproductive stage on cerebellar network connectivity across adulthood.

\*Jackson, T.B. & **Bernard, J.A.** (In Preparation). Cerebellar-basal ganglia network connectivity as a foundation for cortical network coherence.

**Invited Talks**

Shaky scaffolding: Age differences in cerebellar function, structure, and networks and their impact on behavior. November 12, 2019. Vision and Cognition Laboratory, Boston University (virtual due to COVID-19).

Shaky scaffolding: age differences in cerebellar function, structure, and networks, and their impact on behavior, November 7, 2019. Department of Psychology Colloquium, Northeastern University.

The role of subcortical network coherence in cognitive and motor function in advanced age, April 5, 2019, Central for Translational Research on Aging and Longevity (Texas A&M University), Current Topics in Translational Research Seminar Series.

Cerebellum networks and symptom severity in ultra-high risk adolescents and patients with schizophrenia, February 16, 2017, Texas A&M Institute for Neuroscience (TAMIN) Seminar Series.

The cerebellum in cognition and motor function: lifespan developmental and clinical perspectives, October 2, 2015, Motor Neuroscience Seminar, Department of Kinesiology, Texas A&M.

The cerebellum in cognition and motor function: lifespan developmental and clinical perspectives. Department of Psychology, Center for Brain, Biology and Behavior, University of Nebraska-Lincoln. January 2015.

The cerebellum in cognition and motor function: lifespan developmental and clinical perspectives. Departments of Psychology and Neurology, University of Iowa, December 2014.

The cerebellum in cognition and motor function: lifespan developmental and clinical perspectives. Department of Psychology, Texas A&M University, October 2014.

The cerebellum in cognition and motor function: lifespan developmental and clinical perspectives. Clinical Psychology Brown Bag Series, The University of Colorado Boulder, September 8, 2014.

Cognitive contributions of the human cerebellum: Cortico-cerebellar networks, aging, & behavior. Determinants of Executive Function and Dysfunction Weekly Speaker Series, The University of Colorado, Boulder, February 28, 2012.

### Oral Conference Presentations

\*TAMU Graduate Student

**Bernard, J.A.** (2020). Cerebello-cortical networks in psychosis and aging. *International Society for Neuroimaging in Psychiatry*. Virtual symposium due to COVID-19

**Bernard, J.A.** (2020). Shaky scaffolding: Age differences in cerebellar function, structure, and networks and their impact on behavior. *32<sup>nd</sup> Annual Meeting of the Winter Conference on Neural Plasticity, St. Kitts & Nevis*

**Bernard, J.A.** (2019). Synchrony and asynchrony in cerebellar-basal ganglia functional circuits: implications for behavior and psychopathology. *74<sup>th</sup> Annual Meeting of the Society of Biological Psychiatry, Chicago, Illinois*

Presented as part of the symposium “Psychomotor Dysfunction in Major Depression: A Multimethod Symposium on This Understudied Aspect of Major Depression”

**Bernard, J.A.,** Orr, J.M., & \*Jackson, T.B. (2017). PFC-Cerebellum connectivity with implications for hierarchical models of executive function. *ARMADILLO Southwest Regional Conference for Cognition and Cognitive Neuroscience*.

Clark, S.V., Ahmadi, A., **Bernard, J.A.,** Turner, J.A., Mittal, V.A. (2017) Insight and cerebello-cortical connectivity in adolescents at ultra high-risk of schizophrenia. *16<sup>th</sup> International Congress on Schizophrenia Research, San Diego, CA*.

**Bernard, J.A.** (2016). Cerebellar networks, function, and positive symptom progression in psychosis risk. *71<sup>st</sup> Annual Meeting of the Society of Biological Psychiatry, Atlanta, GA*

Presented as part of the symposium “Role of Cerebellum In Schizophrenia Spectrum Disorders”

Boker, S.M., Seidler, R.D., & **Bernard, J.A.** (2014). Windowed cross-correlation of BOLD signals. *Alpine Brain Imaging Meeting, Champéry, Switzerland.*

Orr, J.M., Pelletier-Baldelli, A., Dean, D. J., **Bernard, J.A.**, & Mittal, V.A. (2013). Volumetric differences in youth at high risk for psychosis. *The Twenty Seventh Annual Meeting of the Society for Research in Psychopathology, Oakland, CA.* Paper Presentation Talk.

### Conference Posters

\*TAMU Graduate Student, #TAMU Undergraduate Student

\*Jackson, T.B. & **Bernard, J.A.** (2020). Cerebello-striatal resting state network efficiency and cortical network coherence. *The 27<sup>th</sup> Annual Meeting of the Cognitive Neuroscience Society*, Boston, MA. [Virtual conference due to covid-19.]

\*Maldonado, T. & **Bernard, J.A.** (2020). Cerebellar contributions to higher order cognition. *The 27<sup>th</sup> Annual Meeting of the Cognitive Neuroscience Society*, Boston, MA. [Virtual conference due to covid-19.]

\*Ballard, H.K., \*Jackson, T.B., & **Bernard, J.A.** (2020). The influence of reproductive stage on cerebellar network connectivity across adulthood. *The 27<sup>th</sup> Annual Meeting of the Cognitive Neuroscience Society*, Boston, MA. [Virtual conference due to covid-19.]

**Bernard, J.A.**, \*Ballard, H.K., & \*Jackson, T.B. (2020). Cerebellar dentate connectivity across adulthood: a large-scale resting state functional connectivity investigation. *The 27<sup>th</sup> Annual Meeting of the Cognitive Neuroscience Society*, Boston, MA. [Virtual conference due to covid-19.]

Gupta, T., Dean, D.J., Kelley, N.J., Bernard, J.A., Ristanovic, I., Mittal., V.A. (2019). Cerebellar tDCS improves procedural learning in nonclinical psychosis. *Organization for Human Brain Mapping Annual Meeting*, Rome, Italy.

\*Jackson, T.B., & **Bernard, J.A.** (2019). Age-related deficits in second order rule learning: an fMRI study. *The 26<sup>th</sup> Annual Meeting of the Cognitive Neuroscience Society*, San Francisco, CA.

\*Ballard, H.K., Goen, J.R.M., & **Bernard, J.A.** (2019). The effects of cerebellar transcranial direct current stimulation on the cognitive stage of sequence learning. *The 26<sup>th</sup> Annual Meeting of the Cognitive Neuroscience Society*, San Francisco, CA.

\*Maldonado, T., & **Bernard, J.A.** (2019). The effect of HD-tDCS over the cerebellum on higher order cognition. *The 26<sup>th</sup> Annual Meeting of the Cognitive Neuroscience Society*, San Francisco, CA.

- \*Maldonado, T., \*Imburgio, M.J., Orr, J.M., & **Bernard, J.A.** (2019). Age-Related Activation Differences in the Subcomponents of the Unity-Diversity Model of Executive Functioning: An ALE Meta-Analysis. *The 2019 Dallas Aging and Cognition Conference 2019*.
- Bernard, J.A.**, \*Jackson, T.B., & #Hausman, H.K. (2019). Cerebellar network contributions to age-related cognitive and motor performance differences. *The Dallas Aging and Cognition Conference 2019*.
- \*Ballard, H.K., Goen, J.R.M., \*Maldonado, T, **Bernard, J.A.** (2018). The effects of cerebellar transcranial direct current stimulation on the cognitive stage of sequence learning. *ARMADILLO Southwest Regional Conference for Cognition and Cognitive Neuroscience*.
- \*Ballard, H.K., \*Imburgio, M.J., \*Cornwall, A, Worthy, D.A., Orr, J.M., **Bernard, J.A.** (2018). Frontal transcranial direct current stimulation and midbrain function: dopaminergic modulation striatal connectivity, and behavior. *Texas A&M Institute for Neuroscience Spring Symposium*.
- #Hausman, H., \*Jackson, T.B., **Bernard, J.A.** (2018). Age-Related Declines in Cerebellar-Basal Ganglia Functional Circuits: Implications for Motor Function in Older Adulthood. *The 25<sup>th</sup> Annual Meeting of the Cognitive Neuroscience Society, Boston MA*.
- \*Maldonado, T, Orr, J.M., & **Bernard, J.A.** (2018). Differences in Decline in the Subcomponents of the Unity-Diversity Model of Executive Functioning between Younger and Older Adults: A Meta-Analysis. *The 25<sup>th</sup> Annual Meeting of the Cognitive Neuroscience Society, Boston, MA*.
- Bernard, J.A.**, Goen, J.R.M., & \*Maldonado, T. (2017). Cerebellar-Motor Connectivity in Patients with Schizophrenia: Insight Into Negative Symptom Severity. *The 24<sup>th</sup> Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA*.
- Orr, J.M., \*Jackson, T.B., & **Bernard, J.A.** (2017). Dissociable patterns of PFC-cerebellum connectivity with implications for hierarchical models of executive function. *The 24<sup>th</sup> Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA*.
- Pelletier-Baldelli, A., **Bernard, J.A.**, Orr, J. Gupta, T., Mittal, V.A. (2017). Do youth at risk for psychosis like being liked? A functional magnetic resonance imaging investigation into social reward processing. *Poster presentation for the Society of Research in Psychopathology, Denver, CO*
- Clark, S.V., **Bernard, J.A.**, Ahmadi, A., King, T.Z., Latzman, R.D., Turner, J.A., & Mittal, V.A. (2017). Cognitive insight in youth at ultra high-risk of psychosis: relationships with cognition, symptoms, and default mode connectivity. *Forty Fifth Annual International Neuropsychological Society Meeting, New Orleans, LA*.

- Russell, C.E., Newberry, R.E., Mittal, V.A., & **Bernard, J.A.** (2016). Patients with schizophrenia show aberrant patterns of basal ganglia activation: evidence from ALE meta-analysis. *The Thirtieth Annual Meeting of the Society for Research in Psychopathology, Baltimore, MD.*
- Bernard, J.A.**, Orr, J.M., Dean, D.J., & Mittal, V.A. (2016). Abnormal cerebellar activation in psychosis risk during learning: Support for cerebellar dysfunction. *The Twenty-Second Annual Meeting of the Organization for Human Brain Mapping, Geneva, Switzerland.*
- Bernard, J.A.**, Orr, J.M., & Mittal, V.A. (2015). Cerebello-thalamo-motor networks and positive symptom course in individuals at ultra-high risk for psychosis: evidence from functional & structural connectivity. *The Twenty-Ninth Annual Meeting of the Society for Research in Psychopathology, New Orleans, LA.*
- Pelletier-Baldelli, A., **Bernard, J.A.**, & Mittal, V.A. (2015). Affective and expressive negative symptoms: a longitudinal functional resting state connectivity study in youth at ultra high-risk for psychosis. *The Twenty-Ninth Annual Meeting of the Society for Research in Psychopathology, New Orleans, LA.*
- Orr, J.M., Newberry, R.E., **Bernard, J.A.**, & Mittal, V.A. (2015). Disrupted verbal selection and the association with negative symptoms in adolescents at ultra high-risk for psychosis. *The Twenty-Ninth Annual Meeting of the Society for Research in Psychopathology, New Orleans, LA.*
- Bernard, J.A.** & Mittal, V.A. (2015). Cerebello-cortical connectivity and symptom course in individuals at ultra high-risk for psychosis. *The Twenty-First Annual Meeting of the Organization for Human Brain Mapping, Honolulu, HI.*
- Boker, S.M., Seidler, R.D., & **Bernard, J.A.** (2015). Decomposing nonstationary relationships between multiple BOLD timeseries. *Alpine Brain Imaging Meeting, Champéry, Switzerland.*
- Bernard, J.A.**, Orr, J.M., & Mittal, V.A. (2015). Abnormal hippocampal-thalamic white matter tract development and disease course in adolescents at ultra high-risk for psychosis. *15<sup>th</sup> International Congress on Schizophrenia Research, Colorado Springs, CO.*
- Bernard, J.A.**, & Mittal, V.A. (2014). Cerebello-thalamo-cortical tractography in individuals at ultra high-risk for psychosis. *The Twenty-Eighth Annual Meeting of the Society for Research in Psychopathology, Evanston, IL.*
- Pelletier-Baldelli, A., **Bernard, J.A.**, & Mittal, V.A. (2014). Youth at ultra high-risk for psychosis show distinct functional connectivity associations with facial emotion recognition and social functioning. *The Twenty-Eighth Annual Meeting of the Society for Research in Psychopathology, Evanston, IL.*
- Dean, D.J., **Bernard, J.A.**, Orr, J.M., Gupta, T., Pelletier-Baldelli, A., Carol, E., Mittal, V.A. (2014). Psychosocial distress and increased cortico-striatal connectivity in youth at risk for

psychosis. *The Twenty-Eighth Annual Meeting of the Society for Research in Psychopathology, Evanston, IL.*

- Bernard, J.A., & Mittal, V.A.** (2014). Dysfunctional activation of the cerebellum in schizophrenia: a functional neuroimaging meta-analysis. *The Twentieth Annual Meeting of the Organization for Human Brain Mapping, Hamburg, Germany.*
- Festini, S.B., **Bernard, J.A.**, Kwak, Y., Peltier, S.J., Bohnen, N.I., Muller, M.L.T.M., Dayalu, P., & Seidler, R.D. (2014). Evidence for compensatory and pathological cerebellar connectivity in Parkinson's disease. *The Twenty-First Annual Meeting of the Cognitive Neuroscience Society, Boston, MA.*
- Festini, S.B., **Bernard, J.A.**, Kwak, Y., Peltier, S.J., Bohnen, N.I., Muller, M.L.T.M., Dayalu, P., & Seidler, R.D. (2013). Cerebellar resting state functional connectivity in Parkinson's patients ON and OFF medication. *Annual Meeting of the Society for Neuroscience, San Diego, CA.*
- Bernard, J.A.**, Orr, J.M., Dean, D.J., & Mittal, V.A. (2013). White matter of the middle and superior cerebellar peduncles in individuals at ultra high-risk of psychosis. *The Twenty Seventh Annual Meeting of the Society for Research in Psychopathology, Oakland, CA.*
- Bernard, J.A.** & Seidler, R.D. (2012). Do regional cerebellar volumes explain individual differences in sensorimotor function? *Annual Meeting of the Society for Neuroscience, New Orleans, LA.*
- Dean, D.J., **Bernard, J.A.**, Gupta, T., Pelletier, A., Avery, J., & Mittal, V.A. (2012). Non-declarative learning and cerebellar morphology in youth at-risk for psychosis. *The Twenty Sixth Annual Meeting of the Society for Research for Psychopathology, Ann Arbor, MI.*
- Bernard, J.A.**, Peltier, S.J., Hassevoort, K., Wiggins, J.L., Jaeggi, S.M., Buschkeuhl, M., Jonides, J., Monk, C.S., & Seidler, R.D. (2012). Resting state cortico-cerebellar functional connectivity patterns of the cerebellar lobules and vermis. *The Nineteenth Annual Meeting of the Cognitive Neuroscience Society, Chicago, IL.*
- Lee, C.M., Bo, J., Kwak, Y.B., Peltier, S.J., **Bernard, J.A.**, Jonides, J., Monk, C.S., & Seidler, R.D. (2011). Lifespan changes in cortico-striatal resting state connectivity. *Annual Meeting of the Society for Neuroscience, Washington, DC.*
- Bernard, J.A.**, Peltier, S.J., Wiggins, J.L., Jaeggi, S.J., Buschkeuhl, M., Jonides, J., Monk, C.S., & Seidler, R.D. (2011). Dissociable functional networks of the human dentate nucleus. *Methods for Studying Human Cerebellar Structure and Function Workshop, Johns Hopkins University, Baltimore, MD.*
- Bernard, J.A.**, & Seidler, R.D. (2010). Age differences in motor cortical maps. *Annual Meeting of the Society for Neuroscience, San Diego, CA.*

- Bernard, J.A.**, Peltier, S.J., Monk, C.S., Wiggins, J.L., & Seidler, R.D. (2010). Connectivity of the cerebellar dentate nucleus is correlated with working memory performance. *Second Biennial International Conference on Resting-State Functional Brain Connectivity, Milwaukee WI., and Annual Meeting of the Society for Neuroscience, San Diego, CA.*
- Bernard, J.A.**, Peltier, S. J., Monk, C.S., Wiggins, J.L. & Seidler, R.D. (2010). Mapping resting state connectivity of the human deep cerebellar nuclei. *The Sixteenth Annual Meeting of the Organization for Human Brain Mapping, Barcelona, Spain.*
- Jaeggi, S.M., Buschkuhl, M., Hernandez, L., **Bernard, J.A.**, & Jonides, J. (2010). Neural correlates of n-back training: A pseudo-continuous arterial spin labeling (pCASL) study. *The Seventeenth Annual Meeting of the Cognitive Neuroscience Society, Montreal, Canada.*
- Bernard, J.A.**, Trivedi, R., & Seidler, R.D. (2009). Motor cortical representations and interhemispheric communication with age. *Annual Meeting of the Society for Neuroscience, Chicago, IL.*
- Bernard, J.A.** & Seidler, R.D. (2009). Factors mediating motor cortical representations. *The Sixteenth Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA.*
- Bernard, J.A.** & Seidler, R.D. (2008). Relationships between handedness and interhemispheric transfer time. *The Life Course: Evolutionary and Ontogenetic Dynamics (LIFE) Fall Academy, Max Planck Institute for Human Development, Berlin, Germany.*
- Bernard, J.A.** & Seidler, R.D. (2008). Relationships between handedness and interhemispheric transfer time. *Third International Conference on TMS and tDCS, Göttingen, Germany.*
- Bernard, J.A.**, & Seidler, R.D. (2008). Relationships between handedness and interhemispheric transfer time in younger and older adults – Preliminary findings. *University of Michigan Geriatrics Symposium, Ann Arbor, MI.*

## PROFESSIONAL ACTIVITIES

### Grant Review Panels

2019 National Science Foundation Grant Reviewer

### Ad Hoc Manuscript Reviewer

Experimental Brain Research, NeuroImage, PLoS ONE, Neuroscience, Schizophrenia Bulletin, Neural Plasticity, Human Movement Science, Frontiers in Integrative Physiology, Journal of Abnormal Psychology, Brain and Behavior, Frontiers in Human Neuroscience, Medical Principles and Practice, Neuropsychologia, Cerebellum, Psychological Medicine, Human Brain Mapping, Journal of Motor Behavior, Cerebral Cortex, Journal of Neuroscience, Schizophrenia Bulletin, Developmental Cognitive Neuroscience, Journal of Applied Biomedicine, Attention Perception & Psychophysics, NeuroImage: Clinical, Psychiatry Research: Neuroimaging, Applied Neuropsychology: Adult, Neuropsychology Review, Neuroscience & Biobehavioral Reviews, Journal of Nervous and Mental Disease, Cognition, Biological Psychiatry, Aging

Neuropsychology and Cognition, Neuroscience Research, Brain Imaging and Behavior, Behavioral Brain Research, Brain Connectivity, Psychiatry Research, European Archives of Psychiatry and Clinical Neuroscience, Psychological Science, Proceedings of the National Academy of Sciences

### **Ad Hoc Grant Review**

Biotechnology and Biological Sciences Research Council (UK), 2014  
 Danish Council for Independent Research: Medical Sciences, 2015  
 Italian Ministry of Health, 2015  
 Research Foundation Flanders (FWO), 2016

### **Society Memberships**

Society for Neuroscience, Cognitive Neuroscience Society, American Psychological Society, Organization for Human Brain Mapping

### **Service Activities**

2020 – 2023	Texas A&M Council of Principal Investigators
2020	Presidential Clinical Research Partnership Review Panel (TAMU)
2018 – 2019	TAMU Department of Kinesiology Motor Neuroscience Faculty Search Committee
2017 – Present	TAMU Department of Psychology Undergraduate Studies Committee
2017 – 2019	Texas A&M Institute for Neuroscience Graduate Recruiting Committee
2017 - 2018	TAMU Department of Kinesiology Motor Neuroscience Faculty Search Committee
2016	NIMH Research Domain Criteria Motor Domain Council Workshop Participant
2016	TAMU Psychology Affective Neuroscience Faculty Search Committee
2016	TAMU APA Summer Research Scholars Mentor (An Nguyen, Truman State University)
2016 – 2017	TAMU Psychology Faculty Development & Awards Committee
2014 - Present	Organization for Human Brain Mapping Annual Meeting Abstract Reviewer
2011-2012	Cognition & Cognitive Neuroscience Graduate Admissions Committee
2011-2012	Cognition & Cognitive Neuroscience Departmental Associate (student representative at faculty meetings)
2008-2011	Cognition & Cognitive Neuroscience Area Recruitment Committee
2008	Brains Rule Day, Dec. 3, 2008, Hands On Museum, Ann Arbor, MI
2008 – Present	Tufts University Alumni Admissions Program, Alumni Interviewer
2008 – 2009	Science Fair Judge, Wachusett Regional High School
2008 – 2009	Invited lecture, “How do we study the brain?” Wachusett Regional High School
2007 – 2009	Cognition & Cognitive Neuroscience Area Forum Committee

### **TEACHING EXPERIENCE**

### **Doctoral Students**

Ted Maldonado 2016-Present  
Trevor Bryan Jackson 2017-Present  
Hannah Ballard, 2018- Present  
Tracey Slonim, 2020-Present  
Yana Lokshina, Rotating TAMIN Graduate Student, Fall 2018

### **Doctoral Dissertation Committees**

2015-2017 Andrea Pelletier-Baldelli, Psychology & Neuroscience, University of Colorado Boulder – Adjunct Member  
2015-2017 Kaileigh Byrne, Department of Psychological & Brain Sciences, Texas A&M University – Committee Member  
2015-2017 Bo Pang, Department of Psychological & Brain Sciences, Texas A&M University – Committee Member  
2016-2018 David Houghton, Department of Psychological & Brain Sciences, Texas A&M University – Committee Member  
2016-2018 Inchon Park, Division of Kinesiology, Texas A&M University – Committee Member  
2016-2019 Taewon Kim, Division of Kinesiology, Texas A&M University – Committee Member  
2017-2019 Gabriel Saenz, Department of Psychological & Brain Sciences, Texas A&M University – Committee Member

### **Masters Degree Committees**

2017-2018 Hakjoo Kim, Division of Kinesiology, Texas A&M University – Committee Member

### **Undergraduate Mentoring**

Psychology/Neuroscience 485/491 – Spring 2016-Present, 22 undergraduate students

### **Classroom Teaching**

Fall 2018, Psychology 107: Introduction to Psychology  
2019, 2020 Instructor of Record

Fall 2016,  
Spring 2017, Psychology 365: Psychology of Aging  
2018, 2019 Instructor of Record

Spring 2016 Psychology 689 Special Topics: Psychology & Neuroscience of Motor Control  
Instructor of Record

Winter 2010 Introduction to Developmental Psychology, University of Michigan, Ann Arbor  
Graduate Student Instructor  
Student Evaluation Rating: 4.5/5

Responsibilities: Running weekly discussion sections, designing discussion activities, grading papers and oral presentations, providing feedback on student writing, designed and gave lecture “The Physical Challenges of Aging”

- Fall 2009 Human Neuropsychology, University of Michigan, Ann Arbor, MI  
 Graduate Student Instructor  
 Student Evaluation Rating: 4.7/5  
 Responsibilities: Running weekly discussion sections including two lectures, grading weekly class assignments, oral presentations, and short answer exam questions
- Fall 2008 Introduction to Cognitive Psychology, University of Michigan, Ann Arbor, MI  
 Graduate Student Instructor  
 Student Evaluation Rating: 4.6/5  
 Responsibilities: Running weekly discussion sections, grading weekly quizzes and papers, writing exam questions
- 2007-2014 Undergraduate Lab Supervision, University of Michigan, Ann Arbor, MI  
 University of Colorado Boulder  
 Mentored 20+ undergraduate students, including 2 Senior Honors Thesis students  
 Thesis Students:  
 Riti Trivedi: Graduate of the University of Pennsylvania Dental School, 2014  
 Kelsey Hassevoort: Doctoral student in Neuroscience at the University of Illinois, Urbana-Champaign

### **Additional Training**

- 2012-2013 **Colorado Clinical & Translational Sciences Institute Colorado Mentor (CO-Mentor) Training Program.** Year-long training program with monthly meetings that covered effective mentoring strategies and techniques, particularly with respect to research mentoring.