

*Curriculum Vitae*

- **Name:** Brendan Eliot **DEPUE**
- **Address:** Department of Psychological and Brain Sciences  
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Google Scholar: <http://scholar.google.com/citations?user=XEsQItEAAAAJ&hl=en&oi=ao>

- **Education:**

- 2009 Ph.D., University of Colorado at Boulder, Neuroscience  
fMRI Methods
- 2009 Ph.D., University of Colorado at Boulder, Cognitive Psychology  
fMRI Methods
- 2005 M.A., University of Colorado at Boulder, Neuroscience
- 2005 M.A., University of Colorado at Boulder, Cognitive Psychology
- 2000 B.A., University of Wisconsin at Madison, Physical Anthropology, Psychology

- **Professional Appointments:**

- 2015-current Affiliated Professor, Anatomical Sciences and Neurobiology, University of Louisville, Louisville, KY 40229
- 2014-current Endowed Chair of Behavioral Brain Imaging, Psychological and Brain Sciences, University of Louisville, Louisville, KY 40229
- 2014-current Assistant Professor, Psychological and Brain Sciences, University of Louisville, Louisville, KY 40229
- 2009-2014 Postdoctoral Fellow, University of Colorado at Boulder, Boulder, CO 80309

- **Awards:**

- 2017-18 Faculty Favorite Teaching Nomination, University of Louisville, Louisville, KY
- 2017-18 Faculty Fellowship, The Commonwealth Center for Humanities and Society, University of Louisville, Louisville, KY
- 2015-16 National Institute of Mental Health – Loan Repayment Program.
- 2014 Faculty Excellence Award, University of Louisville, Louisville, KY
- 2012-14 National Institute of Mental Health – Loan Repayment Program.
- 2009-13 Postdoctoral Fellowship Award, University of Colorado at Boulder
- 2008-09 Dosier Award for the most outstanding graduate student in Psychology and Neuroscience, University of Colorado at Boulder
- 2007-08 Department of Psychology and Neuroscience Travel Award, University of Colorado at Boulder
- 2006-07 Department of Psychology and Neuroscience Travel Award, University of Colorado at Boulder

- **Research Area:**

My work concerns the cognitive neuroscience of self or inhibitory regulation and the brain mechanisms that allow for guided and controlled behavior across a wide range of behavioral domains, including motoric, cognitive, emotional and social. I employ functional magnetic resonance imaging (fMRI), anatomical imaging, diffusion weighted imaging (DWI), event related potentials (ERP) and electroencephalography (EEG) to assess the specific brain mechanisms that enable individuals to successfully modulate information and behavior.

- **Peer Reviewed Publications:**

\* Indicates shared contribution and authorship.

# Indicates supervised research assistant or student.

#Stoica, T., #Knight, L.K., #Naaz, F., #Ramic, M. & **Depue, B.E.** (In Press). Cortical Morphometry and Structural Connectivity Relate to Executive Function and Estradiol Level in Healthy Adolescents. *Brain and Behavior*.

Raber, J., Arzy, S., Boulanger Bertolus, J., **Depue B.E.**, Haas, H.E., Hofmann, S.G., et al. (In Press). Current Understanding of Fear Learning and Memory in Humans and Animal Models and the Value of a Linguistic Approach for Analyzing Fear Learning and Memory in Humans. *Neuroscience and Biobehavioral Reviews*.

- #Knight, L.K. & **Depue, B.E.** (2019). New Frontiers in Anxiety Research: Translational Potential of the Bed Nucleus of the Stria Terminalis. *Frontiers in Psychiatry, 10*, 510.
- Sullivan, D.R., Marx, B., Chen, M., **Depue, B.E.**, Hayes, S.M. & Hayes, J.M. (2019). Behavioral and Neural Correlates of Memory Suppression in PTSD. *The Journal of Psychiatric Research, 112*, 30-37.
- #Faul, L., #Fogleman, N.D., Mattingly, K.M. & **Depue, B.E.** (2019). Inhibitory Control Mediates a Negative Relationship Between Body Mass Index and Intelligence: A Neurocognitive Investigation. *Cognitive, Affective and Behavioral Neuroscience, 19*, 392-408.
- ##Naaz, F., ##Knight, L.K., & **Depue, B.E.** (2019). Explicit and Ambiguous Threat Processing Evoke Functionally Dissociable Activation Profiles in the Amygdala and Bed Nucleus of the Stria Terminalis. *The Journal of Cognitive Neuroscience, 31*, 543-559.
- #Knight, L.K., #Fogleman, N.D., #Stoica, T. & **Depue, B.E.** (2019). Convergent Neural Correlates of Empathy and Anxiety during Socioemotional Processing. *Frontiers in Human Neuroscience, 13*, 94.
- LaFaver, K., #Faul, L., #Jacob, A., & **Depue, B.E.** (2018). Neuroimaging of Functional Movement Disorders (FMD) Before and After a Multidisciplinary Rehabilitation Program. Paper presented at American Academy of Neurology, Los Angeles, CA. *Neurology 90*, S30. 006.
- Lyle, K.B., Dombroski, B., #Faul, L., Hopkins, R., #Naaz, F., Switala, A. & **Depue, B.E.** (2017). Bimanual Coordination Positively Predicts Episodic Memory: A Combined Behavioral and MRI Investigation. *Brain and Cognition, 118*, 71-79.
- #Fogleman, N.D., #Naaz, F., #Knight, L.K., #Stoica, T., #Patton, S.C. & **Depue, B.E.** (2017). Reduced Lateral Prefrontal Cortical Volume is Associated with Performance on the Modified Iowa Gambling Task: A Surface-Based Morphometric Analysis of PTSD, Mild TBI and Comorbid PTSD/Mild TBI in OEF/OIF/OND Combat-Deployed Veterans. *Psychiatry Research: Neuroimaging, 267*, 1-8.
- #Knight, L.K., #Naaz, F., #Stoica, T. & **Depue, B.E.** (2017). Lifetime PTSD and Geriatric Depression Symptomatology Relate to Altered Dorsomedial Frontal and Amygdala Morphometry. *Psychiatry Research: Neuroimaging, 267*, 59-68.
- ##Senholzi, K., \***Depue, B.E.**, Banich, M.T., Correll, J. & Ito, T.A. (2016). How Racial Stereotypes Affect Brain Activation During Decisions Regarding Threat. *Social Neuroscience, 10*, 651-662.
- Godinez, D.A., Willcutt, E.G., **Depue, B.E.**, Burgess, G.C., Andrews-Hanna, J.R. & Banich, M.T. (2016). Familial Risk and ADHD Specific Neural Activity revealed by a Case-Control, Discordant Twin Pair Design. *Psychiatry Research: Neuroimaging, 233*, 458-465.

- Banich, M.T., Mackiewicz, K.L., **Depue, B.E.**, & Burgess, G.C. (2015). Multiple Modes of Clearing One's Mind of Current Thoughts: Overlapping and Distinct Neural Systems. *Neuropsychologia*, *69*, 105-117.
- Depue, B.E.**, Orr, J., #Smolker, H.R. #Naaz, F. & Banich, M.T. (2015). The Organization of Right Prefrontal Networks Reveals Common Mechanisms that Coordinate Inhibitory Regulation of Cognitive, Emotion and Motor Processes. *Cerebral Cortex*, bhu324, 1-13.
- Weiland, B.J., Thayer, R.E., **Depue, B.E.**, #Sabbineni, A., Bryan, A.D. & Hutchison, K.E. (2015). Daily Marijuana Use Is Not Associated with Brain Morphometric Measures. *The Journal of Neuroscience*, *35*, 1505-1512.
- \*Banich, M.T. & \***Depue, B.E.** (2015). Recent Advances in Understanding Neural Systems that Support Inhibitory Control. *Current Opinion in Behavioral Sciences*, *1*, 17-22.
- Reineberg, A.E., Andrews-Hanna, J.R., **Depue, B.E.** & Banich, M.T. (2015). Resting-state Networks Predict Individual Differences in Common and Specific Aspects of Executive Function. *Neuroimage*, *104*, 69-78.
- \*#Smolker, H.R., \***Depue, B.E.**, Reineberg, A.E., Orr, J. & Banich, M.T. (2015). Individual Differences in Regional Prefrontal Morphometry and Fractional Anisotropy are Associated with Different Constructs of Executive Function. *Brain Structure and Function*, *220*, 1291-1306.
- Depue, B.E.**, Olson-Madden, J.H., #Smolker, H.R., Rajamani, M., Brenner, L.A. & Banich, M.T. (2014). Reduced Amygdala Volume is associated with Deficits in Inhibitory Control: A Voxel and Surface-Based Morphometric Analysis of Comorbid PTSD/mTBI. *BioMedical Research, Special Issue: Translational Neuroimaging in Mood and Anxiety Disorders*, 1-11.
- Tzur, R., & **Depue, B.E.** (2014). Conceptual and Brain Processing of Unit Fraction Comparisons: A Cogneuromathed Study. Paper presented at PME. Vancouver, B.C. *Proceedings of PME*, *38*, 5, 297-304.
- Depue, B.E.**, Ketz, N., Mollison, M.V., Nyhus, E., Banich, M.T. & Curran, T. (2013). Event Related Potentials and Neural Oscillations during Volitional Suppression of Memory Retrieval. *Journal of Cognitive Neuroscience*, *25*, 1624-1633.
- Depue, B.E.** (2012). A Neuroanatomical Model of Prefrontal Inhibitory Modulation of Memory Retrieval. *Neuroscience and Biobehavioral Reviews*, *36*, 1382-1399.
- Depue, B.E.**, & Banich, M.T. (2012). Increased Inhibition and Enhancement of Memory Retrieval are Associated with Decreased Hippocampal Volume. *Hippocampus*, *22*, 651-655.

- Depue, B.E.** (2011). Prefrontal Interaction with the Hippocampus: An Integrative Review and Model of the Think/No-Think Task with Implications for Psychiatric Conditions. *Anatomy and Physiology, Special Issue: Memory and Behavioral Disorders, S2*, 1-8.
- Munakata, Y., Herd, S.A., Chatham, C.H. **Depue, B.E.**, Banich, M.T., & O'Reilly, R.C. (2011). A Unified Framework for Inhibitory Control. *Trends in Cognitive Science, 15*, 453-459.
- Depue, B.E.**, Burgess, G.C., Willcutt, E.G., #Ruzic, L., & Banich, M.T. (2010). Inhibitory Control of Memory Retrieval and Motor Processing Associated with the Right Lateral Prefrontal Cortex: Evidence from Deficits in Individuals with ADHD. *Neuropsychologia, 48*, 3909-3917.
- Depue, B.E.**, Banich, M.T., Burgess, G. C., Bidwell, L.C., & Willcutt, E.G. (2010). Behavioral Performance Predicts Grey Matter Reductions in the Right Inferior Frontal Gyrus in Young Adults with Combined Type ADHD. *Psychiatry Research: Neuroimaging, 182*, 231-237.
- Depue, B.E.**, Burgess, G.C., Willcutt, E.G., #Ruzic, L., & Banich, M.T. (2010). Symptom-correlated brain regions in adult ADHD: Their organization, variability, and relation to behavioral performance. *Psychiatry Research: Neuroimaging, 182*, 96-102.
- Burgess, G.C., **Depue, B.E.**, #Ruzic, L., Bidwell, L.C., Willcutt, E.G., Du, Y.P., & Banich, M.T. (2010). Attentional Control Activation Relates to Working Memory in Attention-Deficit/Hyperactivity Disorder. *Biological Psychiatry, 67*, 632-640.
- Banich, M.T., Burgess, G.C., **Depue, B.E.**, #Ruzic, L., Bidwell, L.C., Hitt-Laustsen, S., Du, Y.P., & Willcutt, E.G. (2009). The neural basis of sustained and transient attentional control in young adults with ADHD. *Neuropsychologia, 37*, 3095-3104.
- Banich, M.T., Mackiewicz, K.L., **Depue B.E.**, Whitmer, A., Miller, G.A., & Heller, W. (2009). Cognitive Control Mechanisms, Emotion, and Memory: A neural perspective with implications for psychopathology. *Neuroscience and Biobehavioral Reviews, 33*, 613-630.
- Depue, B.E.**, Curran, T., & Banich, M.T. (2007). The Prefrontal Cortex Orchestrates the Suppression of Emotional Memories via a Two-Phase Process. *Science, 317*, 215-219.
- Depue, B.E.**, Curran, T., & Banich, M.T. (2007). Commentary response: "Memory Suppression in PTSD Treatment?" *Science, 318*, 1722-1724.
- Depue, B.E.**, Banich, M.T., & Curran, T. (2006). Suppression of Emotional and Nonemotional Content in memory: Effects of Repetition on Cognitive Control. *Psychological Science, 17*, 441-447.

Under Review:

#Faul, L., #Knight, L.K., #Jacob, A., LaFaver, K. & **Depue, B.E.** (Under Review, Submitted 7/19).  
Neural Activity Changes After Inpatient Rehabilitation for Functional Movement Disorders.

#Stoica, T., #Patton, S., #Knight, L.K. & **Depue, B.E.** (Under Review, Submitted 5/19). Gender  
Differences in the Neural Processing of Negative Stimuli Relate to Personality Traits.

#Ueda, Y., **Depue, B.E.**, Shoji, Y., Toyomura, F. & Tokashiki, R. (Under Review, Submitted 4/19).  
Changes in Activation and Connectivity of Insular Cortex Before and After Botulinum Toxin  
Injection in Patients with Spasmodic Dysphonia.

- **Invited Chapters:**

- \* Indicates shared contribution and authorship.

- # Indicates supervised research assistant or student.

**Depue, B.E.** & #Stoica, T. (In Press). Neuroimaging Insights into Behavioral Phenotypes of Autism  
Spectrum Disorder. *The Genetics and Neuroimaging of Autism Spectrum Disorders*. G.  
Barnes & A. El-Baz, eds., New York, NY, TDS.

**Depue, B.E.** (2009). False Memory Syndrome. *Corsini's Encyclopedia of Psychology*. 4th  
edition. P. Rossi, ed., Hoboken, NJ, John Wiley & Sons.

- **Extramural Funding:**

In Submission/Resubmission:

2019- Science and Technology Center, NSF. Center for Collaborative Human-Machine  
Interfaces for Physical Tasks (C-Interface) (Submitted 6/19).

2019- R21, NIMH. "Engaging Mechanisms to Optimize Fear Extinction in Anorexia  
Nervosa: Indexing Behavioral, Physiological and Neurobiological Pathways"  
(Resubmitted 6/19).  
5/20-4/23  
\$450,000  
Co-I. 1/4 (P.I. Levinson)

Current Awarded:

2019-2021 Young Investigator Grant, NARSAD. "Neural Mechanisms of Anxiety  
Regulation: Control of the Bed Nucleus of the Stria-Terminalis" (Awarded).  
1/19-1/21  
\$70,000  
P.I.

Completed:

2010-14 Colorado Brain Trust. “Executive Dysfunction and Self-Harm Behavior: An Examination of Veterans with Traumatic Brain Injury, Post Traumatic Stress Disorder, or Both.”  
\$342,000  
Co-I. 1/3 (P.I. Banich)

- **Intramural Funding:**

*In Submission/Resubmission:*

*Current Awarded:*

*Completed:*

2018-19 University of Louisville IRIG. “Neural Circuitry Underlying Learning during Exposure Therapy in Individuals with Eating Disorders”.  
6/18-6/19  
\$10,000  
Co-P.I. 1/2 (P.I. Levinson/Depue)

2017-18 University of Louisville IRIG. “A Dyadic Mindfulness Intervention for College Students and their Roommates - Mechanisms and Health Effects”.  
1/17-1/18  
\$10,000  
Co-I. 1/3 (P.I. Sephton)

2014-18 University of Louisville Research Support. “Neuroimaging of Cognitive, Affective and Motoric Processes”.  
7/14-7/18  
\$60,000  
P.I.

- **Teaching Philosophy:**

I have developed and taught many courses to instill an understanding of Cognitive Neuroscience and Neuroimaging for both undergraduate and graduate students. As general introduction to the methods, **Introduction to fMRI** and **Brain and Behavior** for undergraduates that serve as core courses for a new Neuroscience Major. As well as, more complex courses **Functional Neuroanatomy** and **Introduction to Neuroimaging Analysis** courses for graduate students that explains more in-depth the methodology and gives the students hands on experience analyzing fMRI data. Most recently, both **Emotion Processes in the Brain** and **Neurobiological Basis of Personality**, were developed to help both cognitive and clinical psychology/neuroscience students view translational aspects from a biological basis. Student evaluations have been exceptionally high and I was recently nominated for a faculty favorite for teaching.

- **Teaching Experience:**

Graduate:

- 2019-current Emotion Processes in the Brain, University of Louisville
- 2017-current The Neurobiology of Advanced Personality Theory, University of Louisville
- 2015- current Translational Neuroscience, University of Louisville
- 2015- current Synaptic Organization of the Central Nervous System, University of Louisville  
(contributing lecturer)
- 2015- current Functional Neuroanatomy, University of Louisville  
(contributing lecturer)
- 2015- current Introduction to Neuroimaging Analysis, University of Louisville

Undergraduate:

- 2018- current Brain & Behavior, University of Louisville
- 2017- current Topics in Neuroimaging, University of Louisville
- 2009-13 Lecturer: Cognitive Psychology, University of Colorado at Boulder
- 2003-09 TA: Cognitive Psychology; Perception and Cognition Core; Psychopathology,  
University of Colorado at Boulder

- **Talks, Colloquia and Symposia:**

International:

- 2017 Lyle, K. B., Leppanen, M. L., & **Depue, B. E.** Unimanual dexterity positively predicts children's episodic memory: A behavioral and neuroimaging investigation. Psychonomic Society. *Vancouver, Canada.*
- 2017 LaFaver, K. & **Depue, B.E.** Neurorehabilitation in Functional Movement Disorder: Neuroimaging Evidence from an Intensive Inpatient Intervention Program. International Conference on Functional Neurological Disorders. *Edinburgh, Scotland.*
- 2012 **Depue, B.E.**, Banich, M.T., Olson-Madden, J., Roesch, E. & Brenner, L. Co-Occurring PTSD and Mild TBI among Combat Veterans associated with Abnormal Grey Matter Volume: Reductions Predicted by Decreased Control over



Negative Memory Information. International Conference on Traumatic Brain Injury. *Edinburgh, Scotland.*

- 2011 **Depue, B.E.** Inhibition of Memory Retrieval: rLPFC interactions with the Hippocampus. International Conference on Memory. *York, England.*
- 2009 **Depue, B.E.** The Prefrontal Cortex Orchestrates the Suppression of Emotional Memories via a Two-Phase Process. Cognition and Emotion-Forced Choice Between Siamese Twins? *Wuerzberg, Germany.*
- 2008 **Depue, B.E.** Suppression of Emotional Memories: Evidence from Clinical Populations. British Cognitive Behavioral Therapy Conference, *Edinburgh, Scotland.*
- 2007 **Depue, B.E.** Neural Mechanisms of Emotional Memory Suppression: Evidence from fMRI. International Conference on Memory, *Sydney, Australia.*

*National:*

- 2019 #Brosof, L.C., #Knight, L., #Hunt, K.J., Levinson, C.A., & **Depue, B.E.** Imaginal Exposure Eating Disorder Fear Scripts are Associated with Increased Activation Related to Threat and Internally Processed Thought Compared to Neutral Scripts: A Proof-of-Concept fMRI Study. International Conference of Eating Disorders, *New York, NY.*
- 2018 LaFaver, K. & **Depue, B.E.** Functional Neuroimaging of Functional Movement Disorders (FMD) Before and After a Rehabilitation Program. American Academy of Neurology, *Los Angeles, CA.*
- 2016 Lyle, K.B., **Depue, B.E.**, Dombroski, B.A., Switala, A.E., Hopkins, R.F. & Leppanen, M.L. Bimanual coordination positively predicts episodic memory: A joint behavioral and neuroimaging investigation. Psychonomics Society. *Boston, M.A.*
- 2016 **Depue, B.E.** Structure, Function and Connectivity of Self-Regulatory Processes: From Bench to Bedside. University of Colorado at Boulder *Boulder, CO.*
- 2015 **Depue, B.E.** Translational Neuroimaging: Amygdala Morphometry. Denver Veteran's Administration. *Denver, CO.*
- 2014 Tzur, R., & **Depue, B.E.** Brain Processing of Whole-Number vs. Fraction Comparisons: Impact of Constructivist-based Task Design on Reaction Time and Distance Effect. Annual meeting of the American Educational Research Association.

*Philadelphia, PA.*

2013 **Depue, B.E.** A Neuroanatomical Model of Prefrontal Inhibitory Modulation of Memory Retrieval. Symposium Coordinator, Winter Conference on Learning and Memory. *Park City, UT.*

2009 **Depue, B.E.** The Prefrontal Cortex Orchestrates the Suppression of Emotional Memories via a Two-Phase Process. University of Denver. *Denver, CO.*

2009 **Depue, B.E.** Suppression of Emotional Memories: Evidence from Clinical Populations. American Psychological Society. *Boston, MA.*

2007 **Depue, B.E.** The Prefrontal Cortex Orchestrates the Suppression of Emotional Memories via a Two-Phase Process. American Psychological Society. *Washington, DC.*

2006 **Depue, B.E.** Neural Mechanisms of Emotional Memory Suppression: Clinical Implications. Association for the Advancement of Behavioral Therapy. *Chicago, IL.*

2005 **Depue, B.E.** Cognitive Control of Emotional and Non-Emotional Content in Working Memory. NIMH. *Bethesda, MD.*

*Local:*

2019 **Depue, B.E.** Down Regulating Negative Emotion and Memory. Bioinformatics and Biostatistics. University of Louisville. *Louisville, KY.*

2017 **Depue, B.E.** Emotion Regulation and the Relationship between Fear and Anxiety. Anatomical Sciences and Neurobiology. University of Louisville. *Louisville, KY.*

2016 **Depue, B.E.** The Structure, Function and Connectivity of Self-Regulatory Processes: Evidence from Basic and Clinical Research. Department of Psychological and Brain Sciences. University of Louisville. *Louisville, KY.*

2016 **Depue, B.E.** Translational Neuroimaging: Morphometry and Function of Clinical Populations. Louisville Autism Center. *Louisville, KY.*

2015 **Depue, B.E.** Using Multimodal Neuroimaging to Understand the Self-Control of Behavior. 25<sup>th</sup> Annual Neuroscience Day, Society for Neuroscience, University of Louisville. *Louisville, KY.*

2014 **Depue, B.E.** Organization of Right Prefrontal Networks Underlying Inhibitory Regulation Across Cognitive, Emotional, and Motor Processes. Anatomical Science and Neurobiology, University of Louisville. *Louisville, KY.*

- **Conference Poster Presentations (2014-present):**

- 2019 #Hunt, K. J., #Knight, L.K., #Stoica, T., #Harper, M.S., #Naaz, F. & **Depue, B.E.** Overlapping Lateral and Medial PFC Neural Networks Relate to Emotion and Mnemonic Suppression. Neuroscience Day of Society for Neuroscience. *Louisville, KY.*
- 2019 #Stoica, T., #Knight, L.K., #Hunt, K.J. & **Depue, B.E.** Individual Differences in Affective and Cognitive Empathy Reflected in the Brain's Intrinsic and Functional Network Dynamics. Neuroscience Day of Society for Neuroscience. *Louisville, KY.*
- 2019 #Brosof, L.C., #Knight, L., #Hunt, K.J., Levinson, C.A., & **Depue, B.E.** Imaginal Exposure Eating Disorder Fear Scripts are Associated with Increased Activation Related to Threat and Internally Processed Thought Compared to Neutral Scripts: A Proof-of-Concept fMRI Study. International Conference of Eating Disorders, *New York, NY.*
- 2019 #Stoica, T., #Knight, L.K., #Hunt, K.J. & **Depue, B.E.** Individual Differences in Affective and Cognitive Empathy Reflected in the Brain's Intrinsic and Functional Network Dynamics. Organization for Human Brain Mapping. *Rome, Italy.*
- 2019 #Hunt, K. J., #Knight, L.K., #Stoica, T., #Harper, M.S., #Naaz, F. & **Depue, B.E.** Overlapping Lateral and Medial PFC Neural Networks Relate to Emotion and Mnemonic Suppression. Organization for Human Brain Mapping. *Rome, Italy.*
- 2019 #Knight, L.K., #Stoica, T., #Hunt, K.J. & **Depue, B.E.** Functional Connectivity Alterations Following Emotion Regulation Training. Organization for Human Brain Mapping. *Rome, Italy*
- 2019 #Stoica, T., #Knight, L.K., #Hunt, K.J. & **Depue, B.E.** Functional Network Dynamic Similarities Underlying Interoception and Empathy. Graduate Student Research Day. *Louisville, KY.*
- 2019 #Hunt, K. J., #Knight, L.K., #Stoica, T., #Harper, M.S., #Naaz, F. & **Depue, B.E.** Overlapping Neural Networks Relate to Emotion and Mnemonic Suppression. Graduate Student Research Day. *Louisville, KY..*
- 2019 #Knight, L.K., #Stoica, T., #Hunt, K.J. & **Depue, B.E.** Functional Network Dynamics after Rehabilitation in Functional Movement Disorders. Graduate Student Research Day. *Louisville, KY.*
- 2019 #Brosof, L.C., #Knight, L.K., #Hunt, K.J., Levinson, C.A. & **Depue, B.E.** Imaginal exposure eating disorder fear scripts are associated with increased activation related to threat and internally processed thought compared to neutral

scripts: A proof-of-concept fMRI study. International Conference on Eating Disorders. *New York City, NY.*

- 2018 #Mattingly, K.M. #Faul, L. & **Depue, B.E.** Neural Correlates of Attention and Memory Processes Associated with Executive Function and Impulsive Externalizing Behavior. Southeastern Psychological Association. *Charleston, SC.*
- 2018 #Knight, L.K., #Naaz, F., #Siers, B., **Depue, B.E.** Common Neural Correlates of Empathy and Worry when Processing Fearful Human Faces. Cognitive Neuroscience Society. *Boston, MA.*
- 2018 #Stoica, T., #Knight, K., #Naaz, F. **Depue, B.E.** Gender Differences in Engagement of Negative Stimuli during Emotion Regulation and Processing Tasks relates to Personality/Affective Style. Cognitive Neuroscience Society. *Boston, MA.*
- 2018 #Faul, L., LaFaver, K. & **Depue, B.E.** Neurorehabilitation in Functional Movement Disorder: Neuroimaging Evidence from an Intensive Inpatient Intervention Program. Cognitive Neuroscience Society. *Boston, MA.*
- 2018 #Naaz, F., #Knight, L.K., #Siers, B. & **Depue, B.E.** Episodic Memory Training Induces Functional Plasticity in PFC – Hippocampal Neural Circuitry. Cognitive Neuroscience Society. *Boston, MA.*
- 2017 #Knight, L.K., #Naaz, F., #Siers, B., **Depue, B.E.** Neural Difference between Fear (Certain Threat) and Anxiety (Uncertain Threat)? Neuroscience Day of Society for Neuroscience. *Louisville, KY.*
- 2017 #Stoica, T., #Knight, K., #Naaz, F. **Depue, B.E.** Functionally Connected Brain Regions Down-Regulating Negative Emotion and Social Threat. Neuroscience Day of Society for Neuroscience. *Louisville, KY.*
- 2017 #Ramic, M., #Siers, B. #Faul, L. & **Depue, B.E.** Cortical and Subcortical Morphometry Relates to Psychotic Symptoms in Individuals with Schizophrenia. Neuroscience Day of Society for Neuroscience. *Louisville, KY.*
- 2017 #Faul, L., #Mattingly, K.M. & **Depue, B.E.** The Functional Neuroanatomy of Intelligence and Body Mass. Neuroscience Day of Society for Neuroscience. *Louisville, KY.*
- 2017 #Mattingly, K.M. #Faul, L. & **Depue, B.E.** Neural Correlates of Attention and Memory Processes Associated with Executive Function and Impulsive Externalizing Behavior. Neuroscience Day of Society for Neuroscience. *Louisville, KY.*

- 2017 #Naaz, F., #Knight, L.K., #Siers, B. & **Depue, B.E.** Neural Changes Related to the Training of Emotion Regulation. Organization for Human Brain Mapping. *Vancouver, BC, Canada*
- 2017 #Naaz, F., #Knight, L.K., #Stoica, T., #Faul, L., #Siers, B., #Patton, S.C. & **Depue, B.E.** Detecting neural correlates of autobiographical memory for recent and remote memories through high-resolution fMRI. Cognitive Neuroscience Society, *San Francisco, CA.*
- 2017 #Knight, L.K., #Naaz, F., #Siers, B., **Depue, B.E.** A Multi-modal Investigation of the Neural Mechanisms Underlying Fear and Anxiety. Organization for Human Brain Mapping. *Vancouver, BC, Canada.*
- 2017 #Knight, L.K., #Naaz, F., #Siers, B., **Depue, B.E.** Does immediate versus diffuse threat evoke dissociable high-resolution functional imaging activation profiles from amygdala and bed-nucleus of the stria terminalis? Cognitive Neuroscience Society. *San Francisco, CA.*
- 2017 #Stoica, T., #Knight, L. #Naaz, F., #Faul, L. & **Depue, B.E.** Gender Differences in the Neural Substrates of Down-Regulating Negative Emotion and Social Threat. Organization for Human Brain Mapping. *Vancouver, BC, Canada.*
- 2017 #Stoica, T., #Knight, K., #Naaz, F. **Depue, B.E.** Common Neural Substrates of Down-Regulating Negative Emotion and Social Threat. Cognitive Neuroscience Society. *San Francisco, CA.*
- 2016 #Faul, L., #Mattingly, K.M. & **Depue, B.E.** Neuroanatomy Underlying Cognitive, Psychological, and Physical Behavior. Summer Research Opportunity Program. University of Louisville. *Louisville, KY.*
- 2016 #Faul, L., #Mattingly, K.M. & **Depue, B.E.** The Relationship Between Body Mass, Cognitive Functioning, and Brain Morphometry. Research Louisville. *Louisville, KY.*
- 2016 #Mattingly, K.M. #Faul, L. & **Depue, B.E.** Cortical Parietal Thickness and Hippocampal Volume are Bidirectionally Associated with Executive Function and Impulsive Externalizing Behavior. Research Louisville. *Louisville, KY.*
- 2016 #Knight, L.K., #Naaz, F., **Depue, B.E.** Increased PTSD symptomatology and geriatric depression related to decreased volume in cortical areas associated with self-referential and working memory. Neuroscience Day of Society for Neuroscience. *Louisville, KY.*
- 2016 #Knight, L.K., #Naaz, F., **Depue, B.E.** Increased PTSD symptomatology and geriatric depression related to decreased volume in cortical areas associated with

self-referential and working memory. Cognitive Neuroscience Society. *New York, NY*.

- 2016 #Stoica, T., #Ramic, M., #Naaz, F. **Depue, B.E.** The relationship between Emotional/Inhibitory control and brain morphology is dependent on diurnal cortisol slope. Cognitive Neuroscience Society. *New York, NY*
- 2016 #Stoica, T., #Ramic, M., #Naaz, F. **Depue, B.E.** Grey and White Matter in the Lateral Prefrontal Cortex Relates to Executive Function and Estradiol Level in an Adolescent Population. Neuroscience Day of Society for Neuroscience. *Louisville, KY*.
- 2015 #Knight, L.K., #Stoica, T., #Fogleman, N.D., #Patton, S.C., #Naaz, F., **Depue, B.E.** Compromised frontoparietal attentional network in PTSD veterans relates to poorer performance during risky decision-making. Research!Louisville. *Louisville, KY*.
- 2015 #Fogleman, N.D., #Patton, S.C., #Stoica, T., #Knight, L.K. #Naaz, F., **Depue, B.E.** Surface-based morphometry in lateral prefrontal cortex and lateral inferior parietal cortex is associated with impulse inhibition and attention in combat deployed veterans with mild traumatic brain injury. Research!Louisville, *Louisville, KY*.
- 2015 #Fogleman, N.D., #Stoica, T., #Knight, L.K., #Patton, S.C., #Naaz, F., **Depue, B.E.** Surface-based morphometry in lateral prefrontal cortex is associated with reward processing and impulse inhibition in combat deployed veterans with post-traumatic stress disorder. Society for Neuroscience. *Chicago, IL*.
- 2015 #Fogleman, N.D., #Naaz, F., **Depue, B.E.** Decreased volume of bilateral prefrontal cortex predicts increased risky decision making in post-traumatic stress disorder combat veterans. Neuroscience Day of Society for Neuroscience. *Louisville, KY*.
- 2015 #Naaz, F. & **Depue, B.E.** Functional connectivity during emotion regulation predicts morphometry in the orbitofrontal cortex. Organization for Human Brain Mapping. *Honolulu, HI*.
- 2015 #Naaz, F. & **Depue, B.E.** Common neural correlates involved in inhibitory regulation of memory and emotion revealed by data driven analyses. Cognitive Neuroscience Society, *San Francisco, CA*.
- 2015 #Naaz, F. & **Depue, B.E.** Common neural correlates involved in inhibitory regulation of memory and emotion revealed by data driven analyses. Neuroscience Day of Society for Neuroscience. *Louisville, KY*

- **Professional Activity:**

- 2017- current Governing Board – Treasurer – The Louisville Chapter of the Society for Neuroscience (elected position):  
<https://www.sfnlouisville.org>
- 2016- current Fear Committee – Human Affectome Project (elected position):  
<http://www.neuroqualia.org/taskforce.php>
- 2015- current Communications Committee – Organization of Human Brain Mapping (elected position):  
<https://www.humanbrainmapping.org/i4a/pages/index.cfm?pageID=3313&activateFull=true>
- 2014- current *Consulting Editor*: Cognitive, Affective, and Behavioral Neuroscience:  
<https://www.springer.com/psychology/cognitive+psychology/journal/13415/PSE?detailsPage=editorialBoard>

*Ad hoc reviewer*: Journal of Cognitive Neuroscience, Psychological Science, Neuropsychologia, Acta Psychologica, Journal of Experimental Psychology: Learning, Memory, and Cognition, Cognition and Emotion, Memory, Consciousness and Cognition, Neuroimage, Journal of Physiology, Psychology Research: Neuroimaging, Social, Cognitive and Affective Neuroscience, American Journal of Psychology, Molecular Psychiatry, Journal of Neuroscience.

*Member*: Human Brain Mapping, Society for Neuroscience, Psychonomics, American Psychological Society, Cognitive Neuroscience Society, Association for Behavioral and Cognitive Therapies.