Curriculum Vitae
W. Kyle Simmons, Ph.D.
February 2016

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Education

2005 Doctorate of Philosophy in Cognitive Psychology (*Emory University*)
2001 Masters of Arts in Clinical Psychology (*Emory University*)
1997 Bachelor of Arts in Psychology (*Harding University)*

Positions

2016 – Present	Associate Professor, with tenure University of Tulsa Tulsa, Oklahoma
2009 – Present	Principle Investigator Laureate Institute for Brain Research Tulsa, Oklahoma
2012 – 2016	Assistant Professor, tenure-track University of Tulsa Tulsa, Oklahoma
2008 – 2009:	Research Fellow Laboratory of Brain and Cognition NIMH / NIH, Bethesda, Maryland Supervisor: Alex Martin, Ph.D.
2005 – 2008:	Postdoctoral Fellow Laboratory of Brain and Cognition NIMH / NIH, Bethesda, Maryland Supervisor: Alex Martin, Ph.D.

2001 – 2005: Graduate Research Assistant
Embodied Cognition Laboratory
Emory University, Atlanta, Georgia
Supervisor: Lawrence Barsalou, Ph.D.

1998 – 2001: Graduate Research Assistant
Human Neuropsychology Laboratory
Emory University, Atlanta, Georgia
Supervisor: David Freides, Ph.D.

Articles Published or In Press

1. **Simmons, W.K.**, & Barsalou, L.W. (2003). The similarity-in-topography principle: Reconciling theories of conceptual deficits. *Cognitive Neuropsychology, 20,* 451-486.

2. Barsalou, L.W., **Simmons, W.K.**, Barbey, A., & Wilson, C. (2003). Grounding conceptual knowledge in modality-specific systems. *Trends in Cognitive Science*, 7 (2), 84 – 91.

3. Cornwell, B., Barbey, A.K., & **Simmons, W.K.** (2004). The embodied bases of supernatural concepts. [Commentary on the target article *Religion's evolutionary landscape: Counterintuition, commitment, compassion, communion*]. *Behavioral & Brain Sciences*, *27,* 735-736

4. Barsalou, L.W., Pecher, D., Zeelenberg, R., **Simmons, W.K.**, & Hamann, S.B. (2005). Multi-modal simulation in conceptual processing. In W. Ahn, R. Goldstone, B. Love, A. Markman, & P. Wolff (Eds.), *Categorization inside and outside the lab: Festschrift in honor of Douglas L. Medin* (pp. 249-270). Washington, DC: American Psychological Association.

5. **Simmons, W.K.**, Martin, A., & Barsalou, L.W. (2005). Pictures of appetizing foods activate gustatory cortices for taste and reward. *Cerebral Cortex, 15*, 1602 – 1608.

6. Barsalou, L.W., Barbey, A.K., **Simmons, W.K.**, & Santos, A. (2005). Embodiment in religious knowledge. *Journal of Cognition and Culture, 5,* 14-44.

7. **Simmons, W.K.**, Bellgowan, P.S.F., Martin, A. (2007). Measuring selectivity in fMRI data. *Nature Neuroscience,* 10, 4-5.

8. **Simmons, W.K.**, Ramjee, V., Beauchamp, M.S., McRae, K., Martin, A. & Barsalou, L.W. (2007). A common neural substrate for perceiving and knowing about color. *Neuropsychologia*, *45,* 2802 -2810.

9. Martin, A. & **Simmons, W.K.** (2008). The structural basis of semantic memory. In J. Byrne & H. Eichenbaum (Eds.), *Learning and Memory: A Comprehensive Reference.* pp.113 – 130, Oxford: Elsevier Press. [Reprinted in J. Byrne (Ed.), *Concise Learning and Memory: The Editor's Selection.* Oxford: Elsevier Press].

10. **Simmons, W.K.**, Hamann, S.B., Harenski, C.N., Hu, X.P., & Barsalou, L.W. (2008). fMRI evidence for word association and situated simulation in conceptual processing. *Journal of Physiology – Paris, 102*, 106-119.

11. Barsalou, L.W., Santos, A., **Simmons, W.K.**, & Wilson, C.D. (2008). Language and simulation in conceptual processing. In M. De Vega, A. M. Glenberg, & A. C. Graesser, (Eds.), *Symbols, embodiment, and meaning*. Oxford: Oxford University Press.

12. Kriegeskorte, N., **Simmons, W.K.**, Bellgowan, P.S.F., & Baker, C.I. (2009). Circular analysis in systems neuroscience - the dangers of double dipping. *Nature Neuroscience, 12,* 535-540.

13. **Simmons, W.K.** & Martin, A. (2009). The Anterior Temporal Lobes and the Functional Architecture Of Semantic Memory. *Journal of the International Neuropsychological Society, 15,* 645-649.

14. **Simmons, W.K.**, Reddish, M., Bellgowan, P.S.F., & Martin, A. (2010). The selectivity and functional connectivity of the anterior temporal lobes. *Cerebral Cortex, 20,* 813-825.

15. Jo, H.J., Saad Z.S., **Simmons, W.K.**, Milbury, L.A., & Cox, R.W. (2010). Mapping sources of correlation in resting fMRI, with artifact detection and removal. *NeuroImage, 52,* 571-582.

16. Santos, A., Chaigneau, S.E., **Simmons, W.K.**, & Barsalou, L.W. (2011). Property generation reflects word association and situated simulation. *Language and Cognition*, 3(1), 83-119.

17. Wilson-Mendenhall, C., Feldman Barrett, L., **Simmons, W.K.**, & Barsalou, L.W. (2011). Grounding emotion in situated conceptualization. *Neuropsychologia*, 49, 1105-27.

18. Zotev, V., Krueger, F., Phillips, R., Alvarez, R., **Simmons, W.K.**, Bellgowan, P., Drevets, W., & Bodurka, J. (2011). Self-regulation of Amygdala Activation using Real-time fMRI Neurofeedback. *PLoS ONE*, 6, e24522

19. **Simmons, W.K.**, & Martin, A. (2012). Spontaneous resting-state BOLD fluctuations reveal persistent domain-specific neurocircuits. *Social Cognitive and Affective Neuroscience,* 7, 467-475.

20. **Simmons, W.K.** & Drevets, W.C., (2012) A 'taste of what is to come: reward sensitivity as a potential endophenotype for major depressive disorder. *Biological Psychiatry*, 72, 526-527.

21. Gotts, S.J., **Simmons, W.K.**, Milbury, L.A., Wallace, G.L., Cox, R.W., & Martin, A. (2012). Fractionation of social brain circuits in autism spectrum disorders. *Brain*, 135, 2711-2725.

22. **Simmons, W.K.**, Avery, J., Barcalow, J., Bodurka, J., Drevets, W., & Bellgowan, P. (2013). Keeping the body in mind: Insula functional organization and functional connectivity integrate interoceptive, exteroceptive, and emotional awareness. *Human Brain Mapping*, 34, 2944-2958.

23. **Simmons, W.K.**, Rapuano, K., Kallman, S.J., Ingeholm, J.E., Miller, B., Gotts, Avery, J., Hall, K.D., & Martin, A., (2013) Category-specific integration of homeostatic signals in the caudal, but not rostral, human insula. *Nature Neuroscience,* 16, 1551-1552.

24. Wilson-Mendenhall, C., **Simmons, W.K.**, Martin, A., & Barsalou, L.W. (2013). Contextual processing of abstract concepts reveals neural representations of non-linguistic content. *Journal of Cognitive Neuroscience,* 25, 920-935.

25. **Simmons, W.K.**, Rapuano, K., Ingeholm, J., Avery, J., Kallman, S., Hall, K.D., Martin, A., (2014). The ventral pallidum and orbitofrontal cortex support food pleasantness inferences. *Brain Structure and Function, 219,* 473-83.

26. Avery, J., Drevets, W.C., Moseman, S., Bodurka, J., Barcalow, J., & **Simmons, W.K.**, (2014) Major depressive disorder is associated with abnormal interoceptive activity and functional connectivity in the insula. *Biological Psychiatry*, 76, 258-266

27. Black, W.R., Lepping, R.J., Bruce, A.S., Powell, J.N., Bruce, J.M., Martin, L.E., Davis, A.M., Brooks, W.M., Savage, C.R., & **Simmons, W.K.** (2014) Tonic Hyper-Connectivity of Reward Neurocircuitry in Obese Children. *Obesity,* 22, 1590-1593

28. Guo, J., **Simmons, W.K.**, Herscovitch, P., Martin, A., & Hall, K.D. (2014) Human obesity is positively associated with dopamine D2-like receptor binding potential in the dorsolateral striatum and negatively associated in the ventromedial striatum. *Molecular Psychiatry,* 9, 1078-1084

29. Martin A., **Simmons W.K.**, Beauchamp M.S., Gotts S.J. (2014) Is a single 'hub', with lots of spokes, an accurate description of the neural architecture of action semantics? *Physics of Life Reviews, 11*, 261-262.

30. Kerr, K., Avery, J.A., Barcalow, J., Moseman, S., Bodurka, J., Bellgowan, P.S.F., & **Simmons, W.K.**, (2015) Trait impulsivity is related to ventral ACC and amygdala activity during primary reward anticipation. *Social Cognitive and Affective Neuroscience,* 10, 36-42.

31. Shank, L.M., Tanofsky-Kraff, M., Nelson, E.E., … **Simmons, W.K.**, Engel, S.G., Pine, D.S., Yanovski, J.A., (2015). Attentional bias to food cues in youth with loss of control eating. *Appetite, 87,* 68-75.

32. Kuschner, E.S., Eisenberg, I.W., Orionzi, B., **Simmons, W.K.**, Kenworthy, L., Martin, A., Wallace, G.L. (2015). Self-Reported Food Selectivity in Adolescents and Young Adults with Autism Spectrum Disorder. *Research in Autism Spectrum Disorders, 15/16*, 53-59.

33. *Feldman Barrett, L., & ***Simmons, W.K.** (2015). Interoceptive Predictions in the Brain. *Nature Reviews Neuroscience, 16,* 419-429.
    * Indicates equal contribution

34. Avery, J., Kerr, K., Ingeholm, J., Burrows, K., Bodurka, J. & **Simmons, W.K.** (2015) A common gustatory and interoceptive representation in the human mid-insula. *Human Brain Mapping, 36*, 2996 – 3006.

35. Kerr, K.L., Avery, J.A., Moseman, S.E., Bodurka, J., Zucker, N.L., & **Simmons, W.K.**, (2016) Altered insula activity during visceral interoception in weight-restored patients with anorexia nervosa. N*europsychopharmacology*, 41, 521-528.

36. Lepping, R.J., Bruce, A., Francisco, A., … **Simmons, W.K.**, Bruce, J.M., (in Press). Resting State Brain Connectivity After Surgical and Behavioral Weight Loss. *Obesity*.

37. Kleckner, I.R., Wormwood, J.B., **Simmons, W.K.**, Feldman Bartett, L., Quigley, K.S., (in press). Methodological and Analytical Recommendations for a Heartbeat Detection-Based Measure of Interoceptive Sensitivity. *Psychophysiology*

38. **Simmons, W.K.**, Burrows, K., Avery, J.A., Kerr, K.L., Bodurka, J., Savage, C., & Drevets, W.D., (in press). Depression-related Increases and Decreases in Appetite Reveal Dissociable Patterns of Aberrant Activity in Reward and Interoceptive Neurocircuitry. *The American Journal of Psychiatry*

39. Puhl, M., Coberly, W.A., Gotts, S.J., & **Simmons, W.K.**, (in press). L1 Regularized Regression Modeling of Functional Connectivity. In C. Constanda, A. Kirsch, (Eds.), *Integral Methods in Science and Engineering*. pp.515 – 526. Basel: Birkhauser Press.

Articles Submitted and Under Review

Avery, J.A., Burrows, K., Kerr, K.L., Khalsa, S., Feinstein, J.S., Bodurka, J., Paulus, M.P., & **Simmons, W.K.** (under review). The Neural Bases of Positive Alliesthesia in Nicotine Craving.

Avery, J.A., Gotts, S.J., Kerr, K.L., Burrows, K., Ingeholm, J.I., Bodurka, J., Martin, A., & Simmons, W.K. (under review). Convergent gustatory and viscerosensory processing in the human dorsal mid-insula.

McDonough, L.A., Wilson-Mendenhall, C.D., **Simmons, W.K.**, Feldman Barrett, L., & Barsalou, L.W. (under review). Learning Emotions.

Lepping, R.J., Atchley, R.A., Chrysikou, E., Martin, L., Clair, A.A., Ingram, R.E., **Simmons, W.K.**, Savage, C.R., (under review). Neural Processing of Emotional Music and Sounds in Depression.

Grants and Funding

1998 – 2003: Emory Graduate School of Arts and Sciences Fellowship

2003 – 2005: NIMH Ruth L. Kirschstein National Research Service Award, NIMH
Title: *Examining the Spatial Organization in Ventral Temporal Cortex.*
Role: PI
Period: August, 2003 – August, 2005

2010 – 2013: Oklahoma Center for the Advancement of Science and Technology
Title: *Insula Topology in the Healthy and Eating Disordered.*
Role: PI
Period: August 1, 2010 – July 31, 2013
Funds: $125,176

2011 – 2013: NARSAD Young Investigator Award
Title: *The Generality of Fear in Anorexia Nervosa.*
Role: PI
Period: February 1, 2011 – January 31, 2013
Funds: $60,000

2012 – 2017: NIMH K01 (1K01MH096175-01)
Title: *The Neural Bases of Pathological Food Perception and Choice in Major Depression.*
Role: PI
Period: May 1, 2012 – April 31, 2017
Funds: $921,744

2012 – 2014: Oklahoma Tobacco Research Center
Title: *Mapping and modifying the influence of interoceptive and reward neurocircuitry in nicotine craving.*
Role: PI
Period: July 1, 2012 – June 30, 2014
Funds: $233,692

2014 – 2017: Oklahoma Tobacco Research Center
Title: *Neurophysiological and Immunological effects of the transition from combustible to electronic cigarettes.*
Role: PI
Period: July 1, 2014 – June 30, 2017
Funds: $600,418

2015 – 2017: NARSAD Young Investigator Award
Title: *Interoceptive learning and recall in major depressive disorder.*
Role: PI
Period: January 15, 2015 – January 15, 2017
Funds: $65,000

Invited Presentations

Simmons, W.K., *An introduction to functional neuroimaging*, Invited address to the Gulbenkian Science Institute, Portugal, February 2005

Simmons, W.K., *The human conceptual system*, Invited address to the Gulbenkian Science Institute, Portugal, February 2005

Simmons, W.K., Reddish, M., & Martin, A. *Functional connectivity in the human conceptual system.* University of Iowa Department of Neurology, Iowa City, IA, September 2008

Simmons, W.K., Reddish, M., & Martin, A. *Using fMRI and the anterior temporal lobes to test competing claims about the human conceptual system.* University of Iowa Departments of Neurology and Neuroscience, Iowa City, IA, September 2008

Simmons, W.K. & Martin, A. *Using the brain's spontaneous fluctuations to reveal cognition's architecture and echo.* University of Iowa Department of Neurology, Iowa City, IA, January 2009

Simmons, W.K. *Selectivity and connectivity within social-cognitive circuitry.* Department of Psychology, Dartmouth College, Hanover, NH, January 2009

Simmons, W.K. *The Laureate eating disorders imaging program: a primer on functional neuroimaging in eating disorders.* Tulsa Research Quadrangle, Oklahoma City, OK, October 2009.

Simmons, W.K. *Resting-state functional connectivity of the social-cognitive network in the healthy and autistic brain.* Department of Neurobiology and Anatomy, University of Texas Medical School, Houston, TX, January 2010

Simmons, W.K. *Resting-state functional connectivity: A primer using analyses of the social-cognitive network.* Hoglund Brain Imaging Center, University of Kansas Medical Center, Kansas City, KS, April 2010

Simmons, W.K. *Functional connectivity in resting-state fMRI: A tool for studying cognitive circuitry outside of cognitive tasks.* Tulsa Research Quadrangle, Tulsa, OK, September 2010.

Simmons, W. K., *Neural systems underlying conceptual representations of food.* Department of Biological Sciences, University of Tulsa, Tulsa, OK, April 2011.

Simmons, W. K., *Conceptual representations of food reward in the orbitofrontal cortex and striatal-pallidal neurocircuit.* Diabetes and Clinical Endocrinology Branch, National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), Bethesda, MD, May 2011.

Simmons, W.K., *Using fMRI to map conceptual representations of food taste and reward.* Invited Speaker for the New Perspectives Symposium, 50th Annual Meeting of the European Society for Pediatric Endocrinology, Glasgow, Scotland, September 2011.

Simmons, W.K., *Mapping the Neural Systems Underlying Conceptual Representations of Food*. Invited Speaker for the Annual Meeting of the Human Anatomy and Physiology Society, Tulsa, OK, May 2012.

Simmons, W.K., *Robust Resting-State fMRI Analyses.* Center for Health Behavior Neuroscience, Kansas University Medical Center, Kansas City, KS, August 2012

Simmons, W.K., *Mapping the Neural Systems Supporting Conceptual Representations of Food*. Invited Speaker for University-wide address, Transylvania University, Lexington, KY, February 2013.

Simmons, W.K., *Mapping Interoceptive Cortex in the Dorsal Mid-insula.* Interdisciplinary Affective Sciences Program, Northeastern University, Boston, MA, April 2013.

Simmons, W.K., *Mapping the Neural Systems Supporting Food Motivation and Reward Inferences in Healthy and Depressed Adults.* Center for Health Sciences, Oklahoma State University, Tulsa/Stillwater, OK, April 2014.

Simmons, W.K., *Mapping the Neural Systems Supporting Food Motivation and Reward Inferences in Healthy and Depressed Adults.* Psychiatry Grand Rounds, Kansas University School of Medicine - Wichita, Wichita KS, May 2014.

Simmons, W.K., *Food Motivation and Reward Inferences in Healthy and Depressed Adults.* Saint Francis Genetics Center, Saint Francis Hospital, Tulsa OK, June 2014.

Simmons, W.K., *Neural Systems Underlying Reward Inferences in Major Depressive Disorder.* Center for Health Behavior Neuroscience, Kansas University Medical Center, Kansas City, KS, August 2014.

Simmons, W.K., *Mapping the Neural Systems Supporting Food Motivation.* Annual Obesity Meeting of the Center for Physical Activity & Weight Management, University of Kansas, Kansas City, KS, August 2014.

Simmons, W.K., *Using Functional Neuroimaging to study food motivation and reward inferences in healthy and depressed adults.* Oklahoma Center for Neuroscience, University of Oklahoma Health Science Center, Oklahoma City, OK, December 2014.

Simmons, W.K., *Exploring the Relationship between Altered Interoceptive Insula Activity and Anxiety in Anorexia Nervosa.* UCSD Eating Disorders Center, University of California San Diego, San Diego, CA, April 2015.

Simmons, W.K., *Altered Interoceptive Insula Activity and Anxiety in Anorexia Nervosa.* Psychiatry Grand Rounds, Kansas University School of Medicine - Wichita, Wichita KS, May 2015.

Simmons, W.K., *Using Human Brain Imaging to Map the Neurocircuitry Underlying Food Motivation.* International Instrumentation Symposium, Huntsville, AL, May 2015.

Simmons, W.K. & Strunk, K., *Integrating Research and Practice in Anorexia Nervosa.* Grand Rounds, Oxley College of Health Sciences, The University of Tulsa, Tulsa, OK, February 2016.

Conference Presentations

Simmons, W.K., Freides, D., Alvarez, J., & Cedarberg, K. *Covert Orienting of Attention and Inhibition of Return.* Presentation to the Clinical Research Conference at Emory University, Atlanta, GA., March 2001

Simmons, W.K. *Embodied cognition and object naming.* Presentation to the Emory University/Georgia Tech Cognitive Science Conference, Atlanta, GA., April 2002

Barbey, A.K., **Simmons, W.K.**, Ruppert, J.A., & Barsalou, L.W. *Action and Conceptual Processing.* Talk presented at the Annual Meeting of the Psychonomic Society, Kansas City, MO., November 2002

Simmons, W.K., Pecher, D., Hamann, S.B., & Barsalou, L.W. *FMRI evidence for modality-specific processing on six modalities*. Poster presented at the Annual Meeting of the Cognitive Neuroscience Society, New York, NY, April 2003

Barsalou, L.W., Pecher, D., Zeelenberg, R., **Simmons, W.K.**, & Hamann, S.B. *Multi-modal simulation in conceptual processing.* Talk presented at *Categorization inside and outside the lab: Festschrift in honor of Douglas L. Medin*, Chicago, IL., June 2003

Barbey, A.K., **Simmons, W.K.**, Santos, A., & Barsalou, L.W. *Embodiment in Religious Knowledge*. Conference on the Psychological and Cognitive Foundations of Religiosity, Atlanta, GA., August 2003

Barsalou, L.W., **Simmons, W.K.**, Santos, A., Hamann, S.B., & Harenski, C.L. *Situated simulation in the human conceptual system.* Workshop on Formal Models of Categorization. University of Leuven, Belgium, July 2004.

Simmons, W.K., Hamann, S.B., Nolan, C.L., & Barsalou, L.W. FMRI *Evidence for the Role of Word Association and Situation Simulation in Conceptual Processing.* Poster presented at the Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA., April 2004.

Simmons, W.K., Martin, A., & Barsalou, L.W. *Viewing appetizing foods activates gustatory cortices for taste and reward*. Paper presented at the Annual Meeting of the Society for Neuroscience, San Diego, CA, October 2004.

Simmons, W.K., & Barsalou, L.W., *Category expectations alter ventral temporal category representations.* Paper presented at the Annual Meeting of the Society for Neuroscience, Washington, DC, November 2005.

Barsalou, L.W., **Simmons, W.K.**, Santos, A., Hamann, S.B., & Harenski, C.L. *Word association and situation simulation in conceptual processing. Symbols, Embodiment, and Meaning: A Workshop and Debate*. Garachico,Tenerife, Canary Islands, December 2005.

Simmons, W.K. & Barsalou, L.W. *Goal-directed perception alters ventral temporal category representations.* Poster presented at the Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA., April 2006.

Barsalou, L.W., & **Simmons, W.K.** *The dynamic character of conceptual processing*. Symposium on Modality-Specific Conceptual Representations, Conference of the Cognitive Neuroscience Society, San Francisco, April 2006.

Simmons, W.K., Ramjee, V., Beauchamp, M.S., McRae, K., Martin, A. & Barsalou, L.W. *fMRI evidence for an overlap in the neural bases of color perception and color knowledge*. Poster presented at the annual meeting of the Organization for Human Brain Mapping, Florence, Italy, June 2006

Simmons, W.K., Matlis, S., Bellgowan, P.S.F., Bodurka, J., Barsalou, L.W., & Martin, A. *Imaging the context-sensitivity of ventral temporal category representations using high-resolution fMRI.* Poster presented at the Annual Meeting of the Society for Neuroscience, Atlanta, GA, October 2006.

Simmons, W.K., Matlis, S., Bellgowan, P.S.F., Bodurka, J., Barsalou, L.W., & Martin, A. *High-resolution fMRI of the human perirhinal cortex during paired-associate learning.* Poster presented at the Annual Meeting of the Cognitve Neuroscience Society, New York, NY, May 2007

Simmons, W.K., Matlis, S., Bellgowan, P.S.F., Bodurka, J., Barsalou, L.W., & Martin, A. *Examining the task-specificity of temporal lobe category organization.* Poster presented at the Rovereto Workshop on Concepts, Actions and Objects, Rovereto, Italy, April 2007

Wilson, C.D., **Simmons, W.K.**, Martin, A., & Barsalou, L.W. *Simulating properties of abstract concepts.* Annual Meeting of the Cognitive Neuroscience Society, New York, April 2007.

Liu, Z.M., **Simmons, W.K.**, James, G.A., Hu, X.P., & Barsalou, L.W. *Assessing modality-specific category representation with artificial categories and fMRI*. Annual Meeting of the Cognitive Neuroscience Society, New York, April 2007.

James, G.A., **Simmons, W.K.**, Barbey, A.K., Hu, X.P., Barsalou, L.W. *Assessing the neural bases of conceptual combination with fMRI.* Annual Meeting of the Cognitive Neuroscience Society, New York, April 2007.

Barbey, A.K., Wolff, P., **Simmons, W.K.**, & Barsalou, L.W. *fMRI evidence on the neural bases of physical and cocial causation.* Annual Meeting of the Cognitive Neuroscience Society, New York, April 2007.

Simmons, W.K., Matlis, S., Bellgowan, P.S.F., Bodurka, J., Barsalou, L.W., & Martin, A. *High-resolution fMRI of the human perirhinal cortex during paired-associate learning*. Annual Meeting of the Cognitive Neuroscience Society, New York, April 2007.

Liu, Z.M., **Simmons, W.K.**, James, G.A., Hu, X.P., Barsalou, L.W. *Assessing human conceptual representation with fMRI.* International Society for Magnetic Resonance in Medicine. May 2007, Berlin, Germany.

James, A.G., **Simmons, W.K.**, Barbey, A.K., Hu, X.P., & Barsalou, L.W. *Recruitment of modality-specific neural regions for conceptual combination*. Poster presented at the annual meeting of the Organization for Human Brain Mapping, Chicago, IL, June 2007

Baker, C.I., **Simmons, W.K.**, Bellgowan, P.S., & Kriegeskorte, N. *Circular inference in neuroscience: the dangers of double dipping.* Poster presented at the Annual Meeting of the Society for Neuroscience, San Diego, CA, November 2007.

Simmons, W.K., Matlis, S., Bellgowan, P.S.F., Bodurka, J., Barsalou, L.W., & Martin, A. *Examining the task-specificity of temporal lobe category organization*. Poster presented at the Annual Meeting of the Society for Neuroscience, San Diego, CA, November 2007.

Wilson, C.D., **Simmons, W.K.**, Martin, A., & Barsalou, L.W. *Conceptualizing abstract words.* Poster presented at the Annual Meeting of the Psychonomic Society, Chicago, IL., November 2008.

Simmons, W.K., Reddish, M., & Martin, A. *Using fMRI to examine the role of the anterior temporal lobes in the human conceptual system*. Poster presented at the Annual Meeting of the Society for Neuroscience, Washington, DC, November 2008.

Wilson, C.D., Feldman Barrett, L., **Simmons, W.K.**, & Barsalou, L.W. *Situated conceptualization of emotion and abstract concepts.* Poster presented at the Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA, March 2009.

Simmons, W.K., Reddish, M., & Martin, A. *Using functional connectivity to map conceptual circuits in the brain.* Poster presented at the Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA, March 2009.

Simmons, W.K., Milbury, I., & Martin, A. *Aberrant functional connectivity in adolescents with autism spectrum disorders*. Poster presented at the Annual Meeting of the Society for Neuroscience, Chicago, IL, November 2009.

Saad, Z., Hang Joon, J., **Simmons, W.K.**, Milbury, L., Martin, A., Cox, R.W., *Non-physiological noise in resting state fMRI and its correction with anatomically based regressors*. Poster presented at the annual meeting of the Organization for Human Brain Mapping, Barcelona, Spain, June 2010.

Ingeholm, J., **Simmons, W.K.**, Chan, A., Dold, G., Talbot, T., Baker, C., Martin, A. *A Pneumatically-driven stimulus delivery system for the MRI environment.* Poster presented at the annual meeting of the Organization for Human Brain Mapping, Barcelona, Spain, June 2010.

Hang Joon, J., Saad, Z., **Simmons, W.K.**, Milbury, L., Martin, A., & Cox, R.W., *Explained variance in resting-state fMRI by brain tissue types.* Poster presented at the annual meeting of the Organization for Human Brain Mapping, Barcelona, Spain, June 2010.

Martin, L.E., Bruce, J.M., Chambers, R.J., Bruce, A.S., Hay, T.M., Breslin, F.J., **Simmons, W.K.**, Donnely, J.E., Savage, C.R., *Functional Connectivity and Obesity: Changes after a behavioral weight loss intervention*. Poster presented at the Annual Meeting of the Society for Neuroscience, San Diego, CA, November 2010.

Kuplicki, R.T., Coberly, W., Bodurka, J., **Simmons, W.K.,** & Bellgowan, P.S. *Method for assessing selection bias in fMRI resting-state functional connectivity*. Poster presented at the Annual Meeting of the Society for Neuroscience, San Diego, CA, November 2010.

Simmons, W.K., Kallman, S.J., Milbury, A., Ingeholm, J.E., Knuth, N.D., Hall, K.D., Martin, A., *Food pleasantness and self-control are related to activity in a region of the lateral oribitofrontal cortex underlying inferences about food reward.* Poster presented at the Annual Meeting of the Society for Neuroscience, San Diego, CA, November 2010.

Avery, J., Barcalow, J.C., Bellgowan, P.S., Bodurka, J., and **Simmons, W.K.**, *Dissociable patterns of insula activity associated with anxiety and interoceptive awareness.* Poster presented at the Annual Meeting of the Society for Neuroscience, San Diego, CA, November 2010.

Avery, J., Barcalow, J.C., Bellgowan, P.S., Bodurka, J., and **Simmons, W.K.**, *Mapping the functional topography of the insular cortex*. Poster presented at the Annual Health Sciences Meeting of the Oklahoma Center for the Advancement for Science and Technology, Oklahoma City, OK, April 2011.

Ingeholm, J., **Simmons, W.K.**, Kallman, S., Rapuano, K., Hall, K., Martin, A. *An fMRI stimulus paradigm for measuring anticipation of primary rewards*. Poster presented at the annual meeting of the Organization for Human Brain Mapping, Quebec City, Canada, June 2011.

Zotev, V., Krueger, F., Phillips, R., Alvarez, R., **Simmons, W.K.**, Bellgowan, P., Drevets, W., & Bodurka, J. *Self-regulation of Amygdala Activation with Real-time fMRI Neurofeedback*. Poster presented at the annual meeting of the Organization for Human Brain Mapping, Quebec City, Canada, June 2011.

Zotev, V., Phillips, R., Alvarez, R., **Simmons, W.K.**, Bellgowan, P., Drevets, W., & Bodurka, J. *Combination of SVM and ROI approaches for real-time fMRI neurofeedback*. Poster presented at the annual meeting of the Organization for Human Brain Mapping, Quebec City, Canada, June 2011.

Phillips, R., Zotev, V., Savitz, J., Alvarez, R., **Simmons, W.K.**, Bellgowan, P., Drevets, W., & Bodurka, J. *Utility of T2-weighted anatomical images for fMRI physiological noise visualization*. Poster presented at the annual meeting of the Organization for Human Brain Mapping, Quebec City, Canada, June 2011.

Simmons, W.K., Kallman, S.J., Rapuano, K., Ingeholm, J.E., Hall, K.D., Martin, A., *Perception of appetizing food images leads to automatic and obligatory activation of taste property information in gustatory cortex*. Poster presented at the Annual Meeting of the Society for Neuroscience, Washington, DC, November 2011. **** Presentation selected by SFN for the 2011 "Hot Topics in Neuroscience" media book. ****

Avery, J., Barcalow, J.C., Bodurka, J., Drevets, W.C., and **Simmons, W.K.**, *Major Depressive Disorder is associated with abnormal insula responses during attention to interoceptive states*. Poster presented at the Annual Meeting of the Society for Neuroscience, Washington, DC, November 2011.

Simmons, W.K., *Mapping the Neural Systems Underlying Conceptual Representations of Food*. Symposium Presentation at the Annual Meeting of the Cognitive Neuroscience Society, Chicago, IL, April 2012.

Rapuano, K., **Simmons, W.K.**, Ingeholm, J.E., Knuth, N., Hall, K.D., Martin, A., *Inferences about food pleasantness modulate activity in the ventral pallidum.* Poster presented at the Annual Meeting of the Cognitive Neuroscience Society, Chicago, IL, March 2012.

Avery, J., Barcalow, J., **Simmons, W.K.**, *Major depressive disorder is associated with abnormal insula responses during interoceptive states*. Talk presented to the annual AAAS/SWARM Conference, Tulsa, OK., April 2012.

Ingeholm, J., **Simmons, W.K.**, Rapuano, K., Kallman, S., Hall, K.D., Martin, A. *Overlapping and distinct neural representations of anticipating and consuming taste rewards*. Poster presented at the annual meeting of the Organization for Human Brain Mapping, Beijing, China, June 2012.

Kerr, K.L., Avery, J.A., Barcalow, J.C., Bellgowan, P.S.F., **Simmons, W.K.**, *Trait impulsivity is associated with activity in the mesolimbic dopamine circuit*. Poster presented at the Annual Meeting of the Society for Neuroscience, New Orleans, LA, October 2012.

Avery, J.A., Kerr, K.L., Barcalow, J.C., Bodurka, J., **Simmons, W.K.**, *A common interoceptive and gustatory representation in the human insula*. Poster presented at the Annual Meeting of the Society for Neuroscience, New Orleans, LA, October 2012.

Simmons, W.K., Ingeholm, J., Rapuano, K., Kallman, S., Hall, K.D., Martin, A. *Overlapping and distinct neural representations of anticipating and consuming taste rewards*. Poster presented at the Annual Meeting of the Society for Neuroscience, New Orleans, LA, October 2012.

McDonough, L., Wilson-Mendenhall, C., **Simmons, W.K.,** Feldman Barrett, L., Barsalou, L.W., *Learning Emotions*. Poster presented at the Annual Meeting of the Society for Neuroscience, New Orleans, LA, October 2012.

Kuplicki, P., Hale, J., Coberly, W., **Simmons, W.K.**, Bodurka, J., Bellgowan, P.S.F., *Quantitative correction of residual motion in resting-state fMRI*. Poster presented at the Annual Meeting of the Society for Neuroscience, New Orleans, LA, October 2012.

Simmons, W.K, Avery, J., Barcalow, J.C., Moseman, S., Bodurka, J., and Drevets, W.C., *Major Depressive Disorder is associated with abnormal insula responses in dorsal mid-insula during attention to interoceptive states*. Poster presented at the Annual Meeting of the American College of Neuropsychopharmacology, Hollywood, FL, December 2012.

Avery, J., Kerr, K., Barcalow, J.C., Bodurka, J., and **Simmons, W.K.**, *A common interoceptive and gustatory representation in the human inusla*. Poster presented at the Annual Health Sciences Meeting of the Oklahoma Center for the Advancement for Science and Technology, Oklahoma City, OK, March 2013.

Black, W.R., Lepping, R., Powell, J.N., Bruce, A., Savage, C.R., **Simmons, W.K.**, *Functional connectivity in obese vs. healthy weight youth*. Poster presented at the Annual Meeting of the Social and Affective Neuroscience Society, San Francisco, CA., April 2013.

Kuplicki, R., Hale, J., Coberly, W., **Simmons, W.K.**, Bodurka, J., & Bellgowan, PSF. *Normalized DVARS for improved consistency in resting-state fMRI*. Poster presented at the annual meeting of the Organization for Human Brain Mapping, Seattle, Washington, June 2013

Mukai, I., **Simmons, W.K.**, Sing, R., & Bellgowan, P. *Brain regions for representation of negative affect revealed by repetition suppression*. Poster presented to the annual meeting of the Organization for Human Brain Mapping, Seattle, Washington, June 2013

Hannallah, L., Nelson, E.E., Shomaker, L.B., Ranzenhofer, L.M., Elliott, C., Engel, S., **Simmons, W.K.**, Berger S.S., Pine, D.S., Tanofsky-Kraff, M., Yanovski, J.A., *Attentional biases toward palatable foods in children with and without loss of control eating*. Poster presented at the Annual Meeting of the Eating Disorders Research Society, Bethesda, MD, September 2013.

Guo, J., Miller, B.V., Hall, K.D., Ingeholm, J.E., Martin, A., & **Simmons, W.K.**, *Challenging the Reward Hypofunction Theory of Human Obesity: Brain Dopamine D2/D3 Receptor Binding Potential Is Positively Correlated with BMI and Body Fat.* Talk presented to the annual Meeting of The Obesity Society, Atlanta, GA, November 2013.

Avery, J.A., Kerr, K.L., Burrows, K., Bodurka, J., & **Simmons, W.K.** *Activity within the mid-insula primary interoceptive cortex, but not anterior insula, is related to the conscious experience of interoceptive signals from the heart*. Poster presented at the Annual Meeting of the Society for Neuroscience, San Diego, CA, November 2013

Kerr, K.L., Avery, J.A., Barcalow, J.C., Bodurka, J., Moseman, S.E., Zucker, N.L., & **Simmons, W.K.** *Altered insula activity for visceral interoception in individuals with anorexia nervosa*. Poster presented at the Annual Meeting of the Society for Neuroscience, San Diego, CA, November 2013

Simmons, W.K., Kerr, K.L., Moseman, S.E., Avery, J.A., Dobson, J., Burrows, K., & Zucker, N.L., *In anorexia nervosa, anxious rumination is grounded in the activation of abnormal interoceptive insular cortex.* Poster presented at the Annual Meeting of the American College of Neuropsychopharmacology, Hollywood, FL, December 2013.

Avery, J.A., Burrows, K., Kerr, K.L., Dobson, J. & **Simmons, W.K.,** *Viscerosensory and limbic neurocircuitry underlying the hedonic evaluation of cigarette cues*. Poster presented at the Annual Meeting of the Stephenson Cancer Center, Oklahoma City, OK, January 2014.

Kerr, K.L., Moseman, S.E., Avery, J.A., Dobson, J.L., Burrows, K., Zucker, N.L., & **Simmons, W.K.,** *Anxious rumination differentially activates interoceptive insular cortex in anorexia nervosa.* Poster presented at the International Conference on Eating Disorders, New York, NY, April 2014.

Hannallah, L., Nelson, E.E., Shomaker, L.B., Ranzenhofer, L.M., Elliott, C., Engel, S., **Simmons, W.K.**, Berger S.S., Pine, D.S., Tanofsky-Kraff, M., Yanovski, J.A., *Attentional biases toward palatable foods in children with*

and without loss of control eating. Poster presented at the Uniform Services University Research Festival, Bethesda, MD, May 2014.

Ingeholm, J., Hall, K.D., Miller, B., Burrows, K., Martin, A., & **Simmons, W.K.**, *Adiposity Modulates Anticipatory and Consummatory Dorsal Mid-Insula Responses to Food Stimuli*. Poster presented to the annual meeting of the Organization for Human Brain Mapping, Hamburg, Germany, June 2014

Kleckner, I.R, Touroutoglou, A., Zhang, J., Dickerson, B.C., Quigley, K.S., Feldman Barrett, L., **Simmons, W.K.**, *Resting State Functional Networks Supporting Interoceptive Sensitivity.* 4th Biennial Conference on Resting State/Brain Connectivity. Boston/Cambridge, MA, USA. September, 2014.

Guo, J., **Simmons, W.K.**, Herscovtich, P., Martin, Hall, K.D., *Selective reduction of dietary fat, but not dietary carbohydrate, normalizes dopamine D2-like receptor binding potential in the dorsolateral striatum of obese humans*. Talk presented to the annual Meeting of The Obesity Society, Boston, MA, November 2014.

Burrows, K., Ingeholm, J., Guo, J., Hall, K.D., Martin, A., & **Simmons, W.K.** The *Relationship Between Food Cognitive Restraint and Brain Activity While Anticipating and Receiving Food Rewards.* Poster presented to the Annual Meeting of the Society for Neuroscience, Washington, DC, November 2014.

Hall, K.D., Guo, J., **Simmons, W.K.**, Herscovtich, P., Martin, *Striatal Dopamine Receptor Correlation Patterns in Human Obesity Suggest Reduced Food Reward and Motivation with Enhanced Habitual Opportunistic Eating*. Dynamic poster presented to the Annual Meeting of the Society for Neuroscience, Washington, DC, November 2014.

Kerr, K.L., Moseman, S.E., Gotts, S.J., Avery, J.A., Dobson, J.L., & **Simmons, W.K.** *Resting-state fMRI demonstrates that Illness severity in anorexia nervosa is associated a lack of differentiation between sensory and fronto-parietal neural networks.* Poster presented to the Annual Meeting of the Society for Neuroscience, Washington, DC, November 2014.

Powell, J.N., Savage, C.R., Breslin, F.J., Lepping, R.J., Martin, L.E., Patrician, T.M., Avery, J.A., & **Simmons, W.K.**, *Eating alters insula functional connectivity to prefrontal and subcortical regions underlying behavioral and appetitive responses to foods.* Poster presented to the Annual Meeting of the Society for Neuroscience, Washington, DC, November 2014.

Simmons, W.K., *Depression-related increases and decreases in appetite reveal dissociable patterns of aberrant activity in reward and interoceptive neurocircuitry.* Symposium talk presented at the Annual Meeting of the American College of Neuropsychopharmacology, Phoenix, AZ, December 2014.

Avery, J.A., Burrows, K., Kerr, K.L., Mullins, C. & **Simmons, W.K.,** *Abnormal interoceptive insula activity associated with nicotine craving in long*-term smokers. Symposium talk presented at the Annual Meeting of the Society for Research on Nicotine and Tobacco, Philadelphia, PA, February 2015.

Simmons, W.K., *Exploring the Relationship Between Altered Interoceptive Insula Activity and Functional Connectivity in Major Depressive Disorder.* Symposium talk presented at the Annual Meeting of the Anxiety and Depression Association of America, Miami, FL, April 2015.

Kerr, K.L., Moseman, S.E., Avery, J.A., Dobson, J.L., Burrows, K., Bodurka, J., & **Simmons, W.K.** *Gastric sensations in patients with anorexia nervosa potentiate activity to food images in brain regions underlying anxiety and nociception.* Poster presented at the International Conference on Eating Disorders, Boston, MA, April 2015

Avery, J.A., Burrows, K., Kerr, K.L., Mullins, C., Bodurka, J., Paulus, M. & **Simmons, W.K.,** *Nicotine craving is associated with attenuated brain processing of interoception in the insula*. Poster presented to the Organization for Human Brain Mapping, Honolulu, Hawaii, June 2015.

Ingeholm, J., Burrows, K., Hall, K.D., Martin, A., & **Simmons, W.K.**, *Hunger susceptibility is positively correlated with mid-insula activity to food vs non-food images*. Poster presented to the annual meeting of the Organization for Human Brain Mapping, Honolulu, Hawaii, June 2015

Burrows, K., Avery, J.A., Kerr, K.L., Mullins, C., Bodurka, J., & **Simmons, W.K.,** *Resting-state functional connectivity between interoceptive cortex and reward circuitry modulates ratings of inferred food pleasantness.* Poster presented to the Annual Meeting of the Society for Neuroscience, Chicago, Il, October 2015.

Simmons, W.K., Burrows, K., Avery, J.A., Kerr, K.L., Mullins, C., Bodurka, J., and Drevets, W.C. *Interoceptive insula activity to food cues is negatively correlated with behavioral ratings of expected food pleasantness in depressed patients with increased appetite.* Poster presented at the Annual Meeting of the American College of Neuropsychopharmacology, Hollywood, FL, December 2015.

Teaching Experience

1998 Teaching Assistant (undergraduate course)
Developmental Neuropsychology
Emory University, Atlanta, Georgia
Graded student's examinations. Guest Lecturer.

2000 Teaching Assistant (undergraduate course)
Statistics
Emory University, Atlanta, Georgia
Taught weekly review and laboratory sessions. Graded student's examinations. Taught students how to use SPSS.

2000 Teaching Associate (undergraduate course)
Experimental Methods in Psychology Research
Emory University, Atlanta, Georgia
Designed and delivered lectures about how to conduct and analyze psychological studies. Taught students how to write research papers. Supervised and graded students' research projects.

2001 Teaching Associate (graduate course)
Neuropsychological Assessment Practicum
Emory University, Atlanta, Georgia
Taught graduate students how to administer, score and interpret over thirty neuropsychological tests. Observed students administering tests to patients and provided feedback regarding performance.

2001 Instructor (undergraduate course)
Introduction to Psychology Part II: Developmental, Social, and Clinical Psychology
Emory University, Atlanta, Georgia
Responsible for every aspect of course development and implementation, including: selection of texts, development and delivery of lectures, and development and grading of assignments and tests.

2002 Teaching Assistant (undergraduate course)
Cognition
Emory University, Atlanta, Georgia
Assisted in the development of lectures as well as grade students' examinations and assignments. Guest Lecturer.

2002 Instructor (undergraduate course)
Introduction to Psychology Part I: Psychobiology and Cognition
Emory University, Atlanta, Georgia
Responsible for every aspect of course development and implementation, including: selection of texts, development and delivery of lectures, and development and grading of assignments and tests.

2003 Instructor (undergraduate course)
Cognitive Psychology
Emory University, Atlanta, Georgia

Responsible for every aspect of course development and implementation, including: selection of texts, development and delivery of lectures, and development and grading of assignments and tests.

2003 Instructor (undergraduate course)
Introduction to Psychology Part II: Developmental, Social, and Clinical Psychology
Emory University, Atlanta, Georgia
Responsible for every aspect of course development and implementation, including: selection of texts, development and delivery of lectures, and development and grading of assignments and tests.

2006 Instructor (invited short-course)
Analysis of Functional Neuroimaging Data with AFNI
Emory University, Atlanta, Georgia
Responsible for every aspect of course development and implementation, including: development and delivery of lectures, selection of training datasets, and technical assistance to course participants.

2010 Invited Lecture
Functional Organization of the Anterior Temporal Lobes
University of Oklahoma School of Community Medicine, Tulsa, Oklahoma
Teaching medical residents about the neural systems that underlie social cognition.

2012 Invited Lecture
Medical Informatics and the Laureate Institute for Brain Research
University of Tulsa, Tulsa, Oklahoma
Presentation to a graduate course in Medical Informatics regarding bioinformatics issues and challenges at the Laureate Institute for Brain Research.

2012 Invited Lecture
Mapping the Neural Systems Underlying Representations of Food
University of Oklahoma School of Community Medicine, Tulsa, Oklahoma
Teaching medical residents about the neural systems that underlie appetitive responses to food stimuli.

2014 Invited Lecture
Interoception and Eating Disorders
University of Tulsa, Tulsa, Oklahoma
Lecture to a combined undergraduate/graduate course in neuroscience.

2015 Invited Lecture
Interoception and Anxiety in Anorexia Nervosa
Kansas University Medical School, Kansas City, KS
Lecture to 2nd year medical students.

Honors, Awards, and Media

1995: Psi Chi National Honor Society

2000: I. Jay Knopf Award for Outstanding Research Presentation in Psychology

2004: Conference presentation selected for the 2004 "Hot Topics in Neuroscience" media book for the Annual Meeting of the Society for Neuroscience.

2010: OCAST Radio Network interview regarding functional neuroimaging research in eating disorders.

2011: Obesity research featured in, and interviewed for, an HBO documentary on obesity in America (aired on HBO in May 2012).

2011: Conference presentation selected for the 2011 "Hot Topics in Neuroscience" media book for the Annual Meeting of the Society for Neuroscience.

2012: Travel Award for the Annual Meeting of the American College of Neuropsychopharmacology

2013: OCAST Radio Network interview regarding functional neuroimaging research in interoception and obesity.

2013: Research highlighted by the Brain & Behavior Research Foundation website (http://bbrfoundation.org/brain-matters-discoveries/surprising-findings-by-foundation-funded-researcher-may-change-approach-to).

2014: Elected to the Faculty of the Oklahoma Center for Neuroscience

2015: Elected into Associate Member status in the American College of Neuropsychopharmacology

Ad hoc Journal Reviews

Acta Psychologia, American Journal of Clinical Nutrition, Appetite, Biological Psychiatry, Biological Psychology, Brain, Brain and Language, Brain Research, Brain Structure and Function, Cerebral Cortex, Cognition, Cognitive

Neuropsychology, Frontiers in Human Neuroscience, Human Brain Mapping, JAMA Psychiatry, Journal of Clinical Endocrinology & Metabolism, Journal of Cognitive Neuroscience, Journal of Neuropsychology, Journal of Neuroscience, Memory & Cognition, Nature Neuroscience, NeuroImage, Neuron, Neuroscience, Neuropsychologia, Neuropsychology, PLoS Biology, PLoS One, Psychological Science, Psychosomatic Medicine, Social Cognitive and Affective Neuroscience, Translational Psychiatry

Funding Review Panels

National Science Foundation (NSF), American Association for the Advancement of Science (AAAS)

Professional Affiliations

American College of Neuropsychopharmacology, Association for Psychological Science, Cognitive Neuroscience Society, Oklahoma Center for Neuroscience, Oklahoma Tobacco Research Center, Organization for Human Brain Mapping, Society for Neuroscience, Society for Research on Nicotine and Tobacco

Activities and Service

2001 – 2004: Emory Psychology Department Computer Committee

2003: Manager of the Cognitive Science Society's Virtual Colloquium online question and answer forum during Barsalou, L.W. *Situated simulation in the human conceptual system*. Virtual colloquium, Cognitive Science Society

2005 – 2006: NIMH Scientific Retreat Planning Committee

2011: Panel Participant for the NIMH Research Domain Criteria (RDoC) *Positive Valence Systems* domain construct definition workshop. June 19-21, 2011, Rockville, Maryland.

2012 – 2015: Clinical Practicum Site Supervisor for all University of Tulsa Clinical Psychology students to the Laureate Institute for Brain Research

2012 – 2014: Organizer of the University of Tulsa Neuroinformatics Workgroup and Journal Club.

Dissertation and Thesis Committees

2012: Master's Degree Project – Kara Kerr, University of Tulsa, Clinical Psychology; *The relationship between novelty seeking personality traits and reward anticipation in fMRI.*

2012: Master's Degree Thesis – Ahwan Pandey, University of Tulsa, Computer Science; *Optimization of epistasis network analysis of genome-wide association studies.*

2012: Master's Degree Thesis – Lev Morgan, University of Tulsa, Computer Science; *Connectome Visualizer (COVI): a Brain Connectivity Visualizer for AFNI/SUMA*

2013: Dissertation Committee – Jason Avery, University of Tulsa, Biological Sciences; *Functional organization of the insula.*

2014: Dissertation Committee – Jenna DelVentura, University of Tulsa, Clinical Psychology; *Pre-pulse inhibition in obesity*.

2016: Dissertation Committee – Bahareh Rahmani, University of Tulsa, Computer Science; *Detecting Community Structure in RNA-SEQ Co-Expression and EEG Networks*

2014 – Present: Dissertation Committee – Kara Kerr, University of Tulsa, Clinical Psychology; *The relationship between anxiety and visceral hypersensitivity in anorexia nervosa*.

2016 – Present: Dissertation Committee – Maria Puhl, University of Tulsa, Mathematics.

2016 – Present: Dissertation Committee – Alejandro Hernandez, University of Tulsa, Mathematics.

2016 – Present: Dissertation Committee – Trang Le, University of Tulsa, Computer Science.

Clinical Experience

2000 – 2001: *Psychotherapy Extern*
Emory University Psychological Center, Atlanta, Georgia
Therapy. Provided individual psychotherapy to community clients in a low-cost clinic. Diagnoses of therapy clients included: Adjustment disorder, personality disorders, alcohol dependence, and anxiety disorders. Supervision and training in interpersonal,

cognitive-behavioral, behavioral, family systems, and psychodynamic approaches.
Assessment. Conducted neuropsychological interviews, evaluations and feedback for children, adolescents, and adults with various disorders including: mild head injuries, personality disorders, ADHD and learning disabilities.
Case conference. Presented clinical cases at weekly case conference meetings.
Peer Supervision. Assisted graduate students with evaluations including assistance administering, scoring, and interpreting tests.
Supervisors: Regina Pyke, Ph.D., David Freides, Ph.D., Cynthia Messina, Ph.D., Ken Carter, Ph.D.

2000 *Neuorpsychological Psychometrician*
Wesley Woods Geriatric Hospital, Atlanta, Georgia
Assessment. Administered neuropsychological tests to patients with Alzheimer's and Parkinson's disease, as well as assessment of stroke patients.
Consultation. Provided immediate feedback of neuropsychological performance to the attending neuropsychologist.
Supervisor: Felicia Goldstein, Ph.D.