

## Leanne Boucher, Ph.D.

### Contact Information and Current Position

Nova Southeastern University | College of Psychology  
Department of Psychology and Neuroscience  
3301 College Avenue | Fort Lauderdale, FL 33314  
(954) 262-8469 | leanne.boucher@nova.edu

03/21 – present	Professor of Psychology
08/14 – 03/21	Associate Professor of Psychology
05/16 – 12/17	First Year Seminar Coordinator
08/11 – 08/14	Chair, Undergraduate Psychology Program
01/10 – 08/14	Assistant Professor of Psychology

### Education

2003 – 2009	Postdoctoral Fellow, Vanderbilt University, Nashville, TN F32 Grant: <i>Modeling Interactive Neural Processes</i>
2002	Ph.D. in Experimental Psychology, Dartmouth College, Hanover, NH Thesis: <i>Sensing Eye Position</i>
1997	B.A., High Honors in Psychology, cum laude, Brandeis University, Waltham, MA Thesis: <i>Bimodal discrepancy: Sound influences depth perception</i>

### Funded Projects

2021-2022	NSU Health Professions Division grant, <i>An Interactive Training Platform as a New Approach for Teaching Pattern Recognition for Rare Disease to Health Profession Students</i>
2019 – 2020	Faculty Development Grant from College of Psychology, <i>Eating Right: Changing Behavior for Optimal Health Outcomes</i>
2019 – 2020	NSU Quality of Life Grant, <i>An Eye Tracking Approach to Measure the Effects of Animal Interaction on Children with Autism</i>
2019	President's ExEL Teaching Grant, <i>Enhancing Learning through Science Communication</i>
2018 – 2020	President's Faculty and Research Development Grant, <i>SCUBA Diving and Cognition, PI</i>
2012 – 2013	Faculty Mini-Grant from NSU; Grant Title: <i>Brain Training: Fact or Fiction</i>
2010 – 2011	Faculty Mini-Grant from NSU; Grant Title: <i>Inhibiting or changing a previously planned response</i>
2005 – 2008	F32 EY016679 NIH/NEI, <i>Modeling Interactive Neural Processes</i>
2002	Dartmouth College Arts and Sciences Graduate Alumni Research Award
1996 – 1997	Brandeis University Undergraduate Research Fellow

### Honors and Fellowships

2018	Leadership Institute for Women in Psychology
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2016	Professor of the Year Award, STUEY, <i>Nova Southeastern University</i>
2012 – 2013	Team Fellowship Grant from NSU for <i>Science Alive!</i> events
2012	Faculty Excellence in Teaching Award, Farquhar College of Arts & Sciences (NSU)
2011 – 2012	Team Fellowship Grant from NSU for <i>Brain Awareness Week</i> events
2009	Vanderbilt University Chancellor's Award for Excellence in Research
2008	Travel Award from the Society for the Teaching of Psychology
2001	Dartmouth College Marie A. Center Graduate Award for Excellence in Research
1999	First Place, Dartmouth Graduate Student Poster Conference
1996	Psi Chi National Honor Society

### Peer-Reviewed Publications

1. Wang, K., Goldenberg, A., ... **Boucher, L.**, ... Moshontz, A. (2021). A multi-country test of brief reappraisal interventions on emotions during the COVID-19 pandemic. (2021). *Nature Human Behavior*, 5, 1089-1110.
2. Viparina, B.L., Collins, W.C., & **Boucher, L.** (2020). Working memory load selectively influences the STOP process in a stop signal task. *Psychological Reports*, 124(3), 1268-1281.
3. IJzerman, H., Ropovik, I., Ebersole, C., Tidwell, N., Markiewicz, L., Lima, T., Wolf, D., Novak, S., Collins, W. M., Menon, M., de Souza, L., Sawicki, P. Boucher, L., Białek, M., Idzikowska, K., Razza, T., Kraus, S., Weissgerber, S., Banik, G., Kołodziej, S., Babincak, P., Schütz, A., Sternglanz, W., Gawryluk, K., Sullivan, G. Many Labs 5: Registered Replication Report of Förster, Liberman and Kuschel's (2008) Study 1. (2020) *Advances in Methods and Practices in Psychological Science*, 3(3), 366-376.
4. Ebersole, C., Mathur, M., Baranski, E., ...**Boucher, L.**, ... Nosek, B. (2020). Many Labs 5: Testing pre-data collection peer review as an intervention to increase replicability. *Advances in Methods and Practices in Psychological Science*, 3(3), 309-311.
5. Carrera Arias, F. J. **Boucher, L.**, & Tarter, J. (2019). The Effects of Video Gaming with a Brain-Computer Interface on Mood and Stress. *Games for Health Journal*, 8(5), 366-369.
6. Ransdell, S., Borrer, J., & **Boucher, L.** (2018). Social emotional health with self-awareness predicts first-year college student success. *International Journal of Education and Social Science*, 5(6), 28-34.
7. Ebersole, C. R., Atherton, O. E., Belanger, A. L., Skulborstad, H. M., Allen, J. M., Banks, J. B., Baranski, E., Bernstein, M. J., Bonfiglio, D. B. V., **Boucher, L.**, Brown, E. R., Budiman, N. I., Cairo, A. H., Capaldi, C. A., Chartier, C. R., Chung, J. M., Cicero, D. C., Coleman, J. A., Conway, J. G., Davis, W. E., Devos, T., Fletcher, M. M., German, K., Grahe, J. E., Hermann, A. D., Hicks, J. A., Honeycutt, N., Humphrey, B., Janus, B., Johnson, D. J., Joy-Gaba, J. A., Juzeler, H., Keres, A., Kinney, D., Kirshenbaum, J., Klein, R. A., Lucas, R. E., Lustgraaf, C. J. N., Martin, D., Menon, M., Metzger, M., Moloney, J. M., Morse, P. J., Prislin, R., Razza, T., Re, D. E., Rule, N. O., Sacco, D. F., Sauerberger, K., Shrider, E., Shultz, M., Siemsen, C., Sobocko, K., Sternglanz, R. W., Summerville, A., Tskhay, K. O., van Allen, Z., Vaughn, L. A., Walker, R. J., Weinberg, A., Wilson, J. P., Wirth, J. H., Wortman, J., & Nosek, B. A. (2016). Many Labs 3: Evaluating

- participant pool quality across the academic semester via replication. *Journal of Experimental Social Psychology*, 67, 68-82.
8. Xie, D., **Boucher, L.**, Kubie, J., Miller, S, Gariépy, J. –F. (2014). NEURO.tv: neuroscience education on the Internet. *Malaysian Journal of Medical Sciences*, 21(3), 78-80.
  9. Williams, M., Pouget, P., **Boucher, L.** & Woodman, G.F. (2013). Visual-spatial attention aids the maintenance of object representations in visual working memory. *Memory and Cognition*, 41(5), 698-715.
  10. Pouget, P, Logan, G.D., Palmeri, T.J., **Boucher, L.**, Paré, M., & Schall, J.D. (2011). Neural basis of adaptive response time adjustment during saccade countermanding. *Journal of Neuroscience*, 31 (35), 12604-12612.
  11. Domingo, S., Lalwani, L.N., **Boucher, L.**, & Tartar, J.L. (2011). Individuals with grapheme-color associations exhibit creativity. *Imagination, Cognition, and Personality*, 30(3), 289-299.
  12. Thakkar, K.N., Schall, J.D., **Boucher, L.**, Logan, G.D., & Park, S. (2011). Response inhibition and response monitoring in a saccadic countermanding task in schizophrenia. *Biological Psychiatry*, 69, 55-62.
  13. Nelson, M.J., **Boucher, L.**, Logan, G.D., Palmeri, T.J., & Schall, J.D. (2010). Nonindependent and Nonstationary response times in stopping and stepping tasks. *Attention, Perception, & Psychophysics*, 72(7), 1913-1929.
  14. Lo, C.-C., **Boucher, L.**, Paré, M., Schall, J. D., & Wang, X.-J. (2009). Attractor dynamics and proactive inhibitory control in countermanding action: a spiking neural circuit model. *Journal of Neuroscience*, 29 (28), 9059-9071.
  15. Schall, J.D. & **Boucher, L.** (2007). Executive Control of Gaze by the Frontal Lobes. *Cognitive Affective and Behavioral Neuroscience*, 7(4), 396-412.
  16. **Boucher, L.**, Stuphorn, V., Logan, G.D., Schall, J.D., & Palmeri, T.(2007). Stopping eye and hand movements: Are the processes independent? *Perception and Psychophysics*, 69(5), 785–801.
  17. **Boucher, L.**, Palmeri, T., Logan, G.D., & Schall, J.D. (2007). Inhibitory control in mind and brain: An interactive race model of countermanding saccades. *Psychological Review*, 114(2), 376-397.
  18. Emeric, E. E., Brown, J. W., **Boucher, L.**, Carpenter, R.H.S., Hanes, D. P., Harris, R., Logan, G. D., Mashru, R. N., Paré, M., Pouget, P., Stuphorn, V., Taylor, T. L., & Schall, J.D. (2007). Influence of history on countermanding performance in humans and macaque monkeys. *Vision Research*, 47(1), 35-49.
  19. **Boucher, L.**, Cohen, Y.E., Lee, A.L., & Hughes, H.C. (2004). Ocular tracking as a measure of auditory motion perception. *Journal of Physiology, Paris*, 98(1-3), 235-248.
  20. Berryhill, M., Kveraga, K., **Boucher, L.**, Hughes, H.C. (2004). Smooth pursuit under stimulus-response uncertainty does not follow Hick’s law. *Cognitive Brain Research*, 19, 100-102.
  21. Kveraga, K.V., **Boucher, L.**, & Hughes, H.C. (2002). Saccades operate in violation of Hick’s Law. *Experimental Brain Research*, 146(3), 307-314.
  22. **Boucher, L.**, Groh, J.M., & Hughes, H.C. (2001). Afferent delays and the mislocalization of perisaccadic stimuli. *Vision Research*, 41(20), 2631-2644.
  23. Jean, J., Summer, L., & **Boucher, L.** Can undirected cell phone use increase divergent creativity? *Cognition, Technology, & Work. Revision.*

**Books**

1. Boucher Gill, L. (2021). *Big Brain Book: How It Works and All Its Quirks*. Magination Press, Washington DC.
2. Boucher Gill, L. (2021). *Lobe your Brain: What Matters about your Grey Matter*. Magination Press, Washington DC.

**Manuscripts Under Review / Revision**

1. Legate, N., Nguyen, T., ... **Boucher, L.**, ..., Primbs, M.A. A Global Experiment on Motivating Social Distancing During the COVID-19 Pandemic. Under Review at *Proceedings of the National Academy of Sciences*. Preprint: [10.31234/osf.io/n3dyf](https://doi.org/10.31234/osf.io/n3dyf)
2. **Boucher, L.** Feingold, J., Concannon, K., Talavera, S., Tartar, J., & Collins, M.W. Memory and Attention while SCUBA diving at shallow and deep depths: An open water study. *Journal of Applied Physiology*. *Revise and resubmit*.
3. Jean, J., Summer, L., & **Boucher, L.** Can undirected cell phone use increase divergent creativity? *Cognition, Technology, & Work*. *Revision*.

**Monograph**

1. Case study and commentary published in *Research Ethics: Cases and Commentaries, Volume 6*. Schrag, B., ed. Association for Practical and Professional Ethics; Bloomington, IN, 2002. Prepared under NSF Grant Number SES-9817880.

**Manuscripts in preparation**

1. Rack-Wildner, M. & **Boucher, L.** The influence of walking on cognition.
2. Zwenger, A., Miranda, W., **Boucher, L.** & Collins, W. M. (2018). The Effect of Exercise on Encoding and Recall of Information.

**Conference Abstracts**

1. Cavanaugh, G., Law, C., Johnson, V., Sheinberg, N., **Boucher, L.**, Morrow Nelson, T., & Epstein, M. (2020). An Eye-Tracking Approach to Measure the Engagement of Children with Autism Spectrum Disorder (2020). *Nova Southeastern University Health Professions Division REACH Day*.
2. Miranda, M., Berg, A., Cronk, T., **Boucher, L.**, & Collins, W.C. (2019). The Effect of Exercise on Encoding and Recall of Information, *Society for Neurosports*, Deerfield Beach, FL
3. Bowen, A., Collins, W.M., & **Boucher, L.** (2019). Walkabout Cognition. *American Psychological Association*.
4. **Boucher, L.** Collins, M.W., Feingold, J., Concannon, K., Tartar, J, Talavera, S., & Zwenger, A. (2019). Memory and Attention while SCUBA diving at shallow and deep depths: An open water study. *International Convention of Psychological Science (ICPS)*.
5. **Boucher, L.** (2019). Sensational Experiential Learning in PSYC3920. *ExEL Conference: Experiential Education and Learning Across the Disciplines, Nova Southeastern University*.

6. **Boucher, L.**, Collins, M.W., Razza, T., & Shigeto, A. (2019). Lessons Learned from an Introductory Psychology Poster Conference. *National Institute on the Teaching of Psychology*.
7. Miranda, W., **Boucher, L.** & Collins, W. M. (2018). The Effect of Exercise on Encoding and Recall of Information. *Psychonomics*.
8. Miranda, W., Koob, A., **Boucher, L.** & Collins, W. M. (2017). The Effect of Walking on Encoding and Recall of Information. *Psychonomics*.
9. **Boucher, L.** & Collins, W. M. (2017). Tasting Psychology. *National Institute on the Teaching of Psychology*.
10. Collins, W. M. & **Boucher, L.** (2017). Adding the Her-story to the History of Psychology. *National Institute on the Teaching of Psychology*.
11. Grodner, K., Viparina, B., Collins, W.M., & **Boucher, L.** (2014). Deconstructing the sensory and cognitive components of hearing loss. *Society for Neuroscience*.
12. Dabrowski, K. & **Boucher, L.** (2013). The effect of physical and mental exercise on executive functioning. *Society for Neuroscience*.
13. Rack-Wildner, M. & **Boucher, L.** (2013). The influence of walking on cognition. *Society for Neuroscience*.
14. Viparina, B., Adames, L., Cruz, L., Dugan, S.N., & **Boucher, L.** (2013). Working memory load selectively influences the STOP process in a stop signal task. *Society for Neuroscience*.
15. K. Anderson, P. Belin, S. Bingham, M. Birnbaum, **L. Boucher**, V. Bracchi-Ricard, R. Brambilla, K. Callwood, T. Carreon, J. Chin-you Wingerter, N. Colwell, J. Datto, K. Doyle, B. Dollinger, S. Fernandez, S. Gajavelli, S. Gavassa, A. Hackam, A. Hackett, J. Hernandez, G. Hotz, N. Johnson, I. Koncza-Oddone, M. Koncza-Oddone, D. Libman, R. Moyer, A. Norris, A. Oliva, M. Polo, A. Nevares, N. Nissanka, J. Santer, M. Schladant, T. Stewart, T. Steffey, A. Tapanes-Castillo, D. Titus, N. Wilson, and C.M. Atkins. (2013). Expanding teaching opportunities for trainees through the Miami Brain Fair. *Society for Neuroscience*.
16. Orozco, N., Collins, W.M., & **Boucher, L.** (2013). Power Posing: Do Brief Nonverbal Displays Influence Attentional Processes? *Psychonomics Society*.
17. **Boucher, L.** (2013). Demonstrations that work for sensation and perception courses. *National Institute on the Teaching of Psychology*.
18. Yassin, S, Srour, A., Tartar, J.L., **Boucher, L.** (2011). Selective attention to negative emotional stimuli. *Society for Neuroscience*.
19. Burgraff, K., Armstrong, L., **Boucher, L.**, Collins, W.M. (2011). The Role of Categorization in Memory. *Psychonomic Society*.
20. Thakkar, K.N., Schall, J.D., **Boucher, L.**, Logan, G.D., & Park, S. (2009). Response inhibition and response monitoring of saccades in a stop signal task in schizophrenia and bipolar disorder. *International Congress on Schizophrenia Research (ICOSR)*.
21. Carlisle, N. B., **Boucher, L.**, Woodman, G. F. (2008). Strategic interactions between visual working memory and attention: Evidence from eye-tracking. *Vision Sciences Society*.
22. **Boucher, L.**, Logan, G.D., Palmeri, T.J., & Schall, J.D. (2008). The effect of instruction on response inhibition. *Society for Neuroscience*.
23. Carlisle, N., **Boucher, L.**, & Woodman, G. (2008). Strategic interactions between visual working memory and perceptual attention as revealed by eye movements. *Vision Sciences Society*.

24. Nelson, M.J., **Boucher, L.**, Logan, G.D., Palmeri, T.J., & Schall, J.D. (2008). Nonstationarity of saccade response time in stopping and stepping tasks. *Society for Neuroscience*.
25. Pouget, P., Logan, G.D., Palmeri, T.J., **Boucher, L.**, Paré, M., & Schall, J.D. (2008). Neural basis of adaptive response time adjustment in saccade countermanding. *Society for Neuroscience*.
26. **Boucher, L.**, Logan, G.D., Palmeri, T., & Schall, J.D. (2007). Interactive race model of the stopping mechanism for combined eye and hand movements. *Society for Neuroscience*.
27. Nelson, M.J., **Boucher, L.**, Murthy, A., Thompson, K. G., Logan, G.D., Palmeri, T., & Schall, J.D. (2007). Executive control of search-step saccade performance investigated through trial history. *Society for Neuroscience*.
28. **Boucher, L.**, Logan, G.D., Palmeri, T., & Schall, J.D. (2006). Modeling trial history of saccade countermanding. *Society for Neuroscience*.
29. Woodman, G. F. & **Boucher, L.** (2006). Eye movements reveal strategic interactions between perceptual attention and visual working memory during visual search. *Cognitive Science Association for Interdisciplinary Learning*.
30. **Boucher, L.** & Woodman, G. F. (2005). Eye movements reveal strategic interactions between perceptual attention and visual working memory during visual search. *Psychonomic Society*.
31. Camalier, C. R., Palmeri, T. J., **Boucher, L.**, Schall, J.D., & Logan, G. D. (2005). Stochastic models of neurophysiology and behavior of visually guided saccades. *Society for Neuroscience*.
32. Emeric, E. E., **Boucher, L.**, Brown, J. W., Stuphorn, V., & Schall, J.D. (2005). Absence of post-error slowing of countermanded saccades. *Society for Neuroscience*.
33. Schall, J.D., **Boucher, L.**, Logan, G.D., & Palmeri, T.J. (2005). Choice, decision and action investigated with visually guided saccades. *Neurobiology of Decision Making Meeting*, Cold Spring Harbor, NY.
34. **Boucher, L.**, Stuphorn, V., Logan, G.D., Palmeri, T., & Schall, J.D. (2004). Dissecting the Stop Process: Eye-hand coordination in a stop task. *Society for Neuroscience*.
35. Camalier, C.R., **Boucher, L.**, & Schall, J.D. (2004). Influence of non-target stimulus features on saccade target selection. *Society for Neuroscience*.
36. Pouget, P., **Boucher, L.**, & Schall, J.D. (2004). Orbital position effects on countermanding saccades. *Society for Neuroscience*.
37. Woodman, G.F., **Boucher, L.**, Schall, J.D. & Luck, S.J. (2004). Do the Contents of Visual Working Memory Automatically Bias Attentional Selection during Visual Search? *Society for Neuroscience*.
38. **Boucher, L.**, Logan, G.D., Palmeri, T., & Schall, J.D. (2004). An interactive race model of countermanding saccades. *Computational and Systems Neuroscience*, Cold Spring Harbor, NY.
39. **Boucher, L.**, Logan, G.D., Palmeri, T., & Schall, J.D. (2003). An interactive race model of countermanding saccades. *Society for Neuroscience*.
40. **Boucher, L.**, Fendrich, R., & Hughes, H.C. (2003). Cues to the relative spatial locations of visual targets presented in the dark. *Vision Sciences Society*.
41. **Boucher, L.**, Fendrich, R., & Hughes, H.C. (2002). Eye movements during attempted fixation in the dark and in the light. *Society for Neuroscience*.

42. Gifford, G.W., **Boucher, L.**, & Cohen, Y.E. (2002). Area LIP neurons are modulated by salient auditory stimuli. *Society for Neuroscience*.
43. Kveraga, K., **Boucher, L.**, & Hughes, H.C. (2002). Learning to look the other way. *Vision Sciences Society*.
44. Berryhill, M.B., **Boucher, L.**, Kveraga, K., & Hughes, H.C. (2002). Latency of smooth pursuit under conditions of stimulus-response uncertainty. *Vision Sciences Society*.
45. **Boucher, L.**, Groh, J.M., & Hughes, H.C. (2001). Afferent delays and the mislocalization of perisaccadic stimuli. *York University: Levels of Perception Conference*.
46. **Boucher, L.**, Groh, J.M., & Hughes, H.C. (2000). Oculomotor localization of perisaccadic auditory targets. *Society for Neuroscience*. (Paper presentation)
47. **Boucher, L.**, Groh, J.M., & Hughes, H.C. (1999). Contributions of visual processing delays to mislocalization of perisaccadic stimuli. *Society for Neuroscience*.
48. **Boucher, L.**, Nelson, M.D., & Hughes, H.C. (1999). Eye-head coordination during express shifts of gaze. *Association for Research in Vision and Ophthalmology*.
49. **Boucher, L.**, Sekuler, R.W., Talwalker, A., & Sekuler, A.B. (1998). Motion perception is influenced by accompanying sound: two- and three-dimensional motion. *Association for Research in Vision and Ophthalmology*.

#### University Teaching Experience

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|-----------------|---|
| 07/14 – present | <b>Associate Professor</b> , <i>Nova Southeastern University</i> , Davie, FL<br>Introduction to Psychology, Research Methods in Psychology, Biological Basis of Behavior, Research Practicum, Experimental Psychology, Senior Seminar, Sensation & Perception, First Year Seminar, Reading Seminars, Capstone Courses |
| 01/10 – 06/14   | <b>Assistant Professor</b> , <i>Nova Southeastern University</i> , Davie, FL  |
| 06/06 – 08/09   | <b>Lecturer in Psychology</b> , <i>Vanderbilt University</i> , Nashville, TN<br>Introduction to Psychology, Quantitative Methods: Statistics, Freshman Writing Seminar in General Psychology, and Perception  |
| 05/08 – 05/09   | <b>Visions Faculty Member</b> , <i>Vanderbilt University</i> Nashville, TN<br>The Vanderbilt Visions program is a semester-long orientation program for first-year students which focuses on their social, academic, and cultural transition into college life.   |
| 09-97 – 05/02   | <b>Lab Instructor/Teaching Assistant</b> , <i>Dartmouth College</i> , Hanover, NH<br>Introduction to Psychological Methods Lab, Perception and Sensation, Cognitive Psychology lab, Perception, Introductory Neuroscience, Statistics   |

#### Mentoring / Advising Experience

##### External Thesis Reviewer

2017, *Indian Institute of Science*, Karnataka, India | External committee member for doctoral candidate Sumitash Jana, Thesis title: Flexible Control of Eye-Hand Coordination

##### Graduate Student Thesis Advising, *Nova Southeastern University*, Davie, FL

2017 – 2019 Joshua Jean | Creative Break Periods: Study of Attention's Role in Creativity

- 2013 – 2015 Kelsey Grodner | Fidgeting and Cognitive Control
- 2012 – 2014 Mackenzie Rack-Wildner | Movement and Cognition
- 2012 – 2014 Brandi Viparina | Auditory Memory

**Graduate Student Thesis Committee Member, Nova Southeastern University, Davie, FL**

- 2020-2022 Stephanie Walker | Can Physical Activity and Exercise Buffer the Negative Effects Associated with Opioid Abuse on Cognition?
- 2017 – 2019 Michael Long | The Role of Visual and Spatial Memory in Text Comprehension
- 2013 – 2016 Brittney Gonzalez | Embodied Cognition: Exploring the Importance of Gesturing in Reading

**Undergraduate Honor's Thesis Advising, Nova Southeastern University, Davie, FL**

- 2012 – 2013 Katie Dabrowski | Mental vs. Physical Exercise's Effect on Executive Function
- 2010 – 2012 Sarah Yassin | The Influence of Emotional Stimuli on Response Inhibition

**Undergraduate Honor's Thesis Advising, Dartmouth College, Hanover, NH**

- 1998 – 2001 Anna Lee | Ocular tracking as a measure of auditory motion perception

**Undergraduate Honors In Major Advisor, Nova Southeastern University,**

- 2021 Isabel DeAngelis | Pain Perception
- 2021 Hannah Laufenberg | Pain Perception
- 2018 Andrew Bowen | Walkabout Cognition

**Undergraduate Student Symposium Faculty Advisor, Nova Southeastern University,**

- 2019 Micaela Sullivan & Alexandra Apetri | Can You Taste Fat? A Study on the Impact of Fat Perception on Dietary Behaviors and Adiposity *Awarded second place*
- 2019 Stephanie Talavera and Anastasia Zwenger | Memory and attention while SCUBA diving
- 2018 Kendall Jordan | Impact of TAS2R38 Gene and Taster Status on Adiposity and Dietary Behaviors *Awarded second place*
- 2018 Andrew Bowen | Walkabout Cognition
- 2018 Sravya Emmadi and Tianna Harris | College Vitality as measured by the SEHS-HE and a Behavior Checklist predicts success in diverse first-year college students
- 2016 Ashley Lonergan and Alexis Koob | Does Fidgeting Affect Cognition? *Awarded third place*
- 2015 Basmatee Manohar | Exhausted from Decision Fatigue: Do Personality Differences Influence Decision Making? *Awarded second place*
- 2015 Jana Mrkaja | Posture and Cognition
- 2015 Karissa Delorme and Hannah Dean | Don't Think It, Don't Do It: Controlling Executive Control
- 2015 Guy Merus, Andrea Moran, Bolarka Varga, Stephanie Ponce, Idania Carter, and Alexis Murphy | Nova Southeastern University's Participation in Many Labs 3: Evaluating Participant Pool Characteristics Across the Semester Via Replication *Awarded honorable mention*
- 2014 Jana Mrkaja and Marianela Pena-Martinez | Body Position and Attention

- 2013 Laurie Cruz, Lauren Adames, Katie Dabrowski, and Shannon Dugan | Are Working Memory and Response Inhibition Correlated with Executive Function?
- 2012 Sarah Yassin | The Influence of Emotional Stimuli on Response Inhibition
- 2012 Lauren Adames, Joe Cirno, Jacqueline Lefebvre, Christina Gobin | The Relationship Between Working Memory and Response Inhibition
- 2011 Logan Armstrong, Kristin Burgraff | The Effects of Categorization on Memory
- 2011 Alexandra Srour | The Influence of Emotional Regulation on Response Inhibition, *Awarded honorable mention*
- 2011 Terrence Singh | Change and Stop-signal paradigms with hands and feet

### **Undergraduate Research Conference Presentations**

- 2019 Stephanie Talavera | Memory and attention while SCUBA diving, Life Sciences South Florida STEM Undergraduate Research Symposium
- 2019 Anastasia Zwenger, Wilford Miranda, Aimee Berg, Sadeea Khan, & Trenton Cronk | The Effect of Exercise on Encoding and Recall of Information, Life Sciences South Florida STEM Undergraduate Research Symposium *Awarded honorable mention*

### **Graduate Advisor, Dartmouth College, Hanover, NH**

- 08/98 – 08/02 Lived in undergraduate residence halls as the resident academic mentor and career advisor and provided advice on every aspect of post-graduate life including the graduate school application process and job hunting strategies.

### **Community Outreach**

- 09/12 – present *Science Alive!*, program that brings interactive science demonstrations to Broward County elementary schools and the library.
- 2012 – present *Presenter*, Miami Brain Fair (annual event)
- 03/11 – present Science outreach presentations at the Alvin Sherman Library
- *I Love the Brain*, children's event created for the Alvin Sherman Library as part of Brain Awareness Week (annual event)
  - *Brain Games*, after-school STEM program at Alvin Sherman Children's Library (2/15)
  - *Brain and Neuroscience*, summer STEM program for children and teens (7/14; 6/23/15; 6/24/15; 7/11/18)
  - *Mysteries of the Mind*, teen event created for the Alvin Sherman Library (10/12)
- 2011 – 2019 *TEDxNSU*, chair of committee to develop an evening of engaging lectures and demonstrations to inspire thought and action
- 2016 – 2018 *Lecturer*, Sheep brain dissection and lecture on forensics at McLaughlin Middle School, Polk County
- 2013 – 2015 *Vice President and Panel member*, *NEURO.tv*. Interview guests online for a web-based neuroscience program.
- 2012 – 2014 *BrainFacts.org Blogger*, BrainFacts.org is a website dedicated to educating the public about brain science run by the Society for Neuroscience and

- funded by the SfN, The Kavli Foundation, and the Gatsby Charitable Foundation.
- 2012 *TEDxNSU presentation*, in collaboration with a dance instructor, we created a modern dance interpretation of sound through the ear.
- 2011 – 2016 *NeurOnline Champion* for the Brain Awareness Week discussion thread. NeurOnline is an online research-based community run by the Society for Neuroscience
- 01/2015 *Panel member*, Career Connections at the University School of NSU
- 10/2014 *Panel member*, Society for Neuroscience webinar “Doing Outreach: Supporting Your Career, Supporting the Field”
- 05/06, 09/09 *Sheep Brain Dissection*, St. Bernard Academy Science Club (Nashville, TN), Homeschool Group (Franklin, TN)
- 01/06 – 05/06 *Science Mentor*, high school students in the Gifted Program at Ravenwood High School (Brentwood, TN) visited the lab weekly to learn more about brain science.

#### Invited Guest Lectures

- 2018, *Conducting SCUBA Diving Research*, MBIO 1410, NSU
- 2018, Fort Lauderdale NSU Art Museum, *Experimenting in Depth*
- 2016, 2017, 2018 McLaughlin Middle Fine Arts Academy, Polk County, FL, *Neurosci & Forensics*
- 2016, Faculty welcome speech at NSU Convocation
- 2015, Faculty welcome speech to honors students
- 2014, Neuroscience Club, *Cognitive Benefits of Exercise*
- 2013, Psychology Club, *What Brain Science Can Tell Us About Exercise*
- 2012, Faculty welcome speech at NSU Convocation
- 2010, 2012, Nova Southeastern University’s Faculty Lecture Series
- *Response inhibition in the lab* (2010)
  - *The Untruthful Power of our Memories* (2012)
- 2012, 2016, 2017 High School Psychology / Neuroscience Camp
- *Taste Perception* (2012)
  - *Sensation and Perception* (2016)
  - *Cognitive Psychology* (2017)
  - *Psychopathy and the Brain* (2018)
- 2010 -2014, Nova Southeastern University’s Lifelong Learning Institute
- 2010: *Memory*
  - 2011: *The Aging Brain; The Plastic Brain*
  - 2012: *Memory and the Brain; Perceptual Illusions; Developmental Psychology*
  - 2013: *Perceptual illusions and Brain Function; Cognitive Benefits of Exercise*
  - 2014: *Neuroscience Demonstrations*

#### Professional Service

- 2016 – present **Member**, NSU Retention Committee
- 2013 – present **Vice President**, Miami Chapter of the Society for Neuroscience
- 2010 – present **Judge**, Nova Southeastern University, Undergraduate Student Symposium

- 2001 – present **Peer Reviewer**, *Cognition*, *Journal of Cognitive Neuroscience*; *Journal of Experimental Psychology: Human Perception and Performance*; *Journal of Experimental Psychology: General*; *Vision Research*; *Experimental Brain Research*; *The Open Psychology Journal*; *Neuroimage*; *Journal of Vision*, *PLoS One*, *Journal of Neuroscience*, *Quarterly Journal of Experimental Psychology*
- 2014 – 2015 **Chair, member**, *Nova Southeastern University*, Foundations of Excellence committee (co-chair Philosophy dimension, member of writing committee, member of overseeing committee)
- 2013 – 2015 **Vice President**, *NEURO.tv*
- 2011 – 2014 **Faculty Executive Council**, *Nova Southeastern University*
- 1998 – 2002 **Graduate Student Representative**, *Dartmouth College*
- 1997 – 2002 **Coordinator and Founder**, *Graduate Student Research Group*, *Dartmouth Coll*

### Professional Development

- 2018 National Society for Experiential Education Certificate
- 2017-8, Member of the 10<sup>th</sup> Class of the Leadership Institute for Women in Psychology
- 2008, 2013, 2017, 2019 National Institute for the Teaching of Psychology conference
- 2016, Building a First Year Seminar workshop
- 2016 – 2017, Experiential Education workshop and certificate
- 2007 – 2009, Vanderbilt’s Teaching Certificate program
- 2001, Association for Practical & Professional Ethics 2-wk workshop, Bloomington, IN
- 2002, Cold Spring Harbor Laboratory (NY), Computational Neuroscience: Vision, 2-week course
- 2002, University of Pittsburgh “Professional Skills Workshop”, at Society for Neuroscience
- 2001, University of New Hampshire’s Center for Excellence in Teaching and Learning
- 1998, Dartmouth College, “Professional Development” course

### Professional Affiliations

- American Psychological Association
- Society for the Teaching of Psychology
- Society for Neuroscience