

# Curriculum Vitae

## Megan Erin Kelly, M.S.

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### Education

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- Ph.D., Behavioral Science** (Expected) 05/2022  
(Currently ABD)  
*University of North Texas*  
*Psychology Department*  
*Minor in Research, Measurement, and Statistics*  
*Mentor: Anthony Ryals, Ph.D.*  
*GPA: 4.0*  
*Dissertation: Cognitive states while mind wandering and associated alterations in time perception*
- M.S., Psychology** 12/2019  
*University of North Texas*  
*Mentor: Anthony Ryals, Ph.D.*  
*GPA: 4.0*  
*Thesis: Finding a data-driven definition of binge-watching*
- B.A., Psychology,** 05/2015  
*Providence College*  
*Neuroscience Certificate Program*  
*Minor: Mathematics*  
*GPA: 3.6*

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### Research Experience

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- Graduate Research Assistant** 09/2018-Present  
*Neurocognitive Laboratory*  
*University of North Texas*  
*PI: Anthony Ryals, Ph.D.*
- Graduate Research Assistant** 08/2021-Present  
*Computational Neuropsychology and Simulation*  
*(CNS) Laboratory*  
*University of North Texas*  
*PI: Thomas Parsons, Ph.D.*
- Graduate Project Coordinator** 08/2017-05/2019  
*Disposition, Emotion, & Addiction Research (DEAR)*

*Laboratory*  
*University of North Texas*  
*PI: Casey Guillot, Ph.D.*

<b>Biological Science Technician</b>	06/2015-02/2017
<i>Neuroscience and Aging Laboratory</i>	*12/2014-01/2015
<i>United States Department of Agriculture (USDA)</i>	*06/2014-08/2014
<i>Agricultural Research Service (ARS)</i>	*06/2013-08/2013
<i>Human Nutrition Research Center on Aging</i>	
<i>PI: Barbara Shukitt-Hale, Ph.D.</i>	
<i>*Denotes full-time internship</i>	
<b>Undergraduate Research Assistant</b>	09/2012-05/2015
<i>Affective Neuroscience Laboratory</i>	
<i>Providence College</i>	
<i>PI: Christopher Bloom, Ph.D.</i>	

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## Grants, Honors, and Awards

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<b>Graduate Student Support Grant</b>	2021
<i>University of North Texas</i>	
<i>College of Liberal Arts and Social Sciences</i>	
<b>TGS R.B. Toulouse Scholarship</b>	2021-22
<i>University of North Texas</i>	
<i>Toulouse Graduate School</i>	
<b>Psychology Teaching Fellow Award</b>	2020-21
<i>University of North Texas</i>	
<i>Psychology Department</i>	
<b>Graduate Student Research Award</b>	2020-21
<i>University of North Texas</i>	
<i>Toulouse Graduate School</i>	
<b>Texas instruments Scholarship – Graduate Student Award</b>	2020
<i>Texas Instruments</i>	
<b>Porter-Evans Scholarship</b>	2020
<i>University of North Texas</i>	
<b>Graduate Student Support Grant</b>	2020
<i>University of North Texas</i>	
<i>College of Liberal Arts and Social Sciences</i>	
<b>Elected Behavioral Science Program Student Representative</b>	2019

*University of North Texas*  
*Psychology Department, Behavioral Science Program*

<b>Graduate Student Support Grant</b> <i>University of North Texas</i> <i>College of Liberal Arts and Social Sciences</i>	2018
<b>Academic Achievement Scholarship</b> <i>University of North Texas</i> <i>College of Liberal Arts and Social Sciences</i>	2017-2019
<b>Neuroscience Certificate Program</b> <i>Providence College</i>	2013-2015

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## Memberships

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<b>Association for Psychological Science (APS)</b>	2017-Present
<b>Society for Experimental Psychology and Cognitive Science</b>	2021-Present
<b>Society for the Teaching of Psychology (STP)</b>	2018-Present
<b>Psi Chi</b>	2012-Present
<b>Timing Research Forum (TRF)</b>	2020-Present
<b>Phi Kappa Phi</b>	2019-Present
<b>Graduate Association of Students in Psychology (GASP)</b> <i>University of North Texas</i>	2017-Present
<b>Statistical Theories, Analyses and Measurements in Psychology (STAMP)</b> <i>University of North Texas</i>	2017-2020
<b>Psychological Advocates for Social Change (PASC)</b> <i>University of North Texas</i>	2017-Present

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## Publications

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Ryals, R. J., Kelly, M. E., & Cleary, A. M. (2021). Increased pupil dilation during tip-of-the-tongue states. *Consciousness and Cognition*, 92, 103152.  
<https://doi.org/10.1016/j.concog.2021.103152>

- Kelly, M. E.**, Guillot, C. R., Quinn, E. N., Lucke, H. R., Bello, M. S., Pang, R. D., & Leventhal, A. M. (2020). Anxiety sensitivity in relation to cigarette smoking and other substance use in African American smokers. *Psychology of Addictive Behaviors*, 34(6), 669-679. <https://doi.org/10.1037/adb0000573>
- Rutledge, G. A., Fisher, D. R., Miller, M. G., **Kelly, M. E.**, Bielinski, D. F., & Shukitt-Hale, B. (2019). The effects of blueberry and strawberry serum metabolites on age-related oxidative and inflammatory signaling *in vitro*. *Food & Function*, 10, 7707-7713. <https://doi.org/10.1039/C9FO01913H>
- Shukitt-Hale, B., Thangthaeng, N., **Kelly, M. E.**, Smith, D. E., & Miller, M. G. (2017). Raspberry differentially improves age-related declines in psychomotor function dependent on baseline motor ability. *Food & Function*, 8, 4752-4759. <https://doi.org/10.1039/C7FO00894E>
- Poulose, S. M., Rabin, B. M., Bielinski, D. F., **Kelly, M. E.**, Miller, M. G., Thangthaeng, N., & Shukitt-Hale, B. (2017). Neurochemical differences in learning and memory paradigms among rats supplemented with anthocyanin-rich blueberry diets and exposed to acute doses of 56Fe particles. *Life Sciences in Space Research*, 12, 16–23. <https://doi.org/10.1016/j.lssr.2016.12.002>
- Shukitt-Hale, B., **Kelly, M. E.**, Bielinski, D. F., & Fisher, D. R. (2016). Tart cherry extracts reduce inflammatory and oxidative stress signaling in microglial cells. *Antioxidants*, 5(4), 33. <https://doi.org/10.3390/antiox5040033>

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## Manuscripts Under Review

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- Guillot, C. R., **Kelly, M. E.**, Phillips, N. B., Su, M., Douglas, M. E., Poe, D. J., Berman, M. E., & Liang, T. BDNF and stress/mood-related interactions on emotional disorder symptoms, executive functioning, and deliberate self-harm.
- Fisher, D. R., Zheng, T., Bielinski, D. F., **Kelly, M. E.**, Cahoon, D. S., & Shukitt-Hale, B. Phytochemical combination is more effective than individual components in reducing stress.

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## Manuscripts In Preparation / Current Projects

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- Kelly, M. E.**, & Ryals, A. J. A data-driven approach to observing and differentiating extreme television and video viewing behavior.
- Kelly, M. E.**, Lucke, H. R., & Ryals, A. J. Netflix and pill: The relationship between television/video watching behaviors and substance use in college students.
- Kelly, M. E.**, Pirotina, B., & Ryals, A. J. COVID-19 image exposure impacts recollection of the passage of time over previous year.

**Kelly, M. E.,** King, R., Boals, A., & Ryals, A. J. Mind wandering and time perception in PTSD, cPTSD and trauma-exposed individuals.

**Kelly, M. E.,** Ryals, A. J. Using EEG to investigate the relationship between mind wandering and altered time perception.

**Kelly, M. E. & Ryals, A. J.** Doomscrolling in the age of COVID-19: The association of voluntarily reading undesirable news and mental health.

Pirotina, B., **Kelly, M. E.,** & Ryals, A. J. Personality factors impact well-being during COVID-19 pandemic.

McClay, M., Wittman, M., Yanakieva, S., Polychroni, N., Luke, D. P., **Kelly, M. E.,** & Terhune, D. B. Altered states of consciousness and time perception: An integrative review.

Duffield, T., **Kelly, M. E.,** & Parsons, T. iANAM: The ability to “visualize” headache, sleep disturbance, and mTBI.

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## Poster Presentations and Abstracts

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**Kelly, M. E.,** Pirotina, B. J., Boyce, L., Stuart, K., Workman, K., & Ryals, A. J. (2022, May). *Priming with an image of COVID-19 is associated with time-based memory distortions for the previous year.* Poster submitted.

Pirotina, B. J., **Kelly, M. E.,** Ryals, A. J. (2022, May). *Extroversion related to higher well-being during the COVID-19 pandemic, regardless of number of household members.* Poster submitted.

**Kelly, M. E.,** Pirotina, B. J., Lucke, H. R., & Ryals, A. J. (2021, May). *Netflix and Pill.* Poster Presented at the Association for Psychological Science Virtual Convention, Online.

**Kelly, M. E.,** Pirotina, B. J., & Ryals, A. J. (2020, June-August). *What is binge-watching? A data-driven approach to defining a binge.* Poster at the Association for Psychological Science Poster Showcase, Online.

**Kelly, M. E.,** Pirotina, B. J., & Ryals, A. J. (2020, May). *What is binge-watching? A data-driven approach to defining a binge* [Conference session]. The 32<sup>nd</sup> Association for Psychological Science Annual Convention, Chicago, IL. (Conference cancelled)

Rutledge, G. A., Fisher, D. R., Miller, M. G., **Kelly, M. E.,** Bielinski, D. F., Shukitt Hale, B. (2020, March). *The effects of blueberry and strawberry serum metabolites on*

- age-related oxidative and inflammatory signaling*. Poster at Translational Research Day at the Tufts University Health Sciences Campus, Boston, MA.
- Poe, D. J., Guillot, C. R., **Kelly, M. E.**, Phillips, N. B., Liage, T., & Berman, M. E. (2019, June). *BDNF relations with and BDNF  $\times$  stress interactions on symptoms of emotional disorders and associated features*. Poster at the 81<sup>st</sup> annual College on Problems of Drug Dependence meeting, San Antonio, TX.
- Phillips, N. B., Lucke, H. R., **Kelly, M. E.**, Cotton, A., Vora, N., & Guillot, C. R. (2019, June). *The relationship between post-traumatic stress disorder symptoms and alcohol problems is moderated by trauma type in young adults*. Poster at the 81<sup>st</sup> annual College on Problems of Drug Dependence meeting, San Antonio, TX. doi: 10.13140/RG.2.2.24689.74088
- Rutledge, G. A., Fisher, D. R., Miller, M. G., Thangthaeng, N., **Kelly, M. E.**, Bielinski, D. F., & Shukitt-Hale, B. (2019, May). *Serum from aged humans supplemented with blueberry or strawberry reduces inflammatory stress signals in HAPI rat microglial cells, in vitro*. Poster at the Berry Health Benefits Symposium, Portland, OR.
- Kelly, M. E.**, Guillot, C. R., Kearns, N. T., Zvolensky, M. J., & Schmidt, N. B. (2018, June). *Anxiety sensitivity moderated the association of relationship status with cigarette smoking heaviness and dependence*. Poster at 80th annual College on Problems of Drug Dependence meeting, San Diego, CA. doi: 10.13140/RG.2.2.22473.29287
- Guillot, C. R., Quinn, E. N., **Kelly, M. E.**, Brown, A. A., Horani, C. E., Phillips, N. B., Liu, Y., & Leventhal, A. M. (2018, June). *Anxiety sensitivity in relation to smoking variables and other substance use in African American smokers*. Poster at 80th annual College on Problems of Drug Dependence meeting, San Diego, CA. doi: 10.13140/RG.2.2.35895.06569
- Luna, S., Guillot, C. R., **Kelly, M. E.**, Hartigan, S. E., Pang, R. D., Zvolensky, M. J., & Leventhal, A. M. (2018, June). *Anxiety sensitivity as a predictor of the acute subjective effects of smoking in African Americans during non-abstinence*. Poster at 80th annual College on Problems of Drug Dependence meeting, San Diego, CA. doi: 10.13140/RG.2.2.24989.87522
- Shukitt-Hale, B., Miller, M. G., Thangthaeng, N., Fisher, D. R., Bielinski, D. F., **Kelly, M. E.**, & Scott, T. (2017, August). *Improving neuronal and behavioral function in aging with nutrition*. Poster presented at the 13<sup>th</sup> International Symposium on the Neurobiology and Neuroendocrinology of Aging, Bregenz, Austria. doi: 10.1016/j.exger.2017.02.054
- Rabin, B. M., Poulouse, S., Miller, M. G., Bielinski, D. F., **Kelly, M. E.**, Carrihill-Knoll, K. L., Patel, R., Hawkins, E., Heng, R., & Shukitt-Hale B. (2017, January). *Effects*

*of head-only or whole-body exposure to very low doses of 4HE (1000 MeV/n) particles.* Poster session presented at the NASA HRP Meeting (NASA Human Research Program Investigators Workshop), Galveston, TX.

Shukitt-Hale, B., Miller, M., Thangthaeng, N., Fisher, D. R., Bielinski, D.F., **Kelly, M. E.**, & Scott, T. (2017). Effects of blueberries on inflammation, motor performance, and cognitive function. *Innovation in Aging*, 1(Suppl 1), 1362-1363.

Fisher, D. R., Miller, M. G., Thangthaeng, N., **Kelly, M. E.**, Bielinski, D. F., & Shukitt-Hale, B. (2016, October). *The effects of blueberry and strawberry serum metabolites on age-related oxidative and inflammatory signaling in vitro.* Poster session presented at the Society for Neuroscience Annual Meeting, San Diego, CA.

Thangthaeng, N., Miller, M. G., **Kelly, M. E.**, Smith, D. E., & Shukitt-Hale, B. (2016, October). *Raspberry supplementation alleviates age-related motor dysfunction in select populations.* Poster session presented at the Society for Neuroscience Annual Meeting, San Diego, CA.

Shukitt-Hale, B., Miller, M. G., Thangthaeng, N., Fisher, D. R., Bielinski, D. F., **Kelly, M. E.**, Scott, T. (2016, September). *The beneficial effects of berry fruit on cognitive and neuronal function in aging.* Talk at the 20<sup>th</sup> International Conference of FFC (Functional Food Center), Boston, MA.

Shukitt-Hale, B., Poulouse, S. M., **Kelly, M. E.**, Bielinski, D. F., Miller, M. G., Carrihill-Knoll, K. L., Rabin, B. M. (2016, July-August). *Neurochemical changes following acute exposure to 56Fe particles and protection by antioxidant-rich diets.* Poster at the 41<sup>st</sup> Scientific Assembly of the Committee on Space Research (COSPAR), Istanbul, Turkey.

Shukitt-Hale, B., Miller, M. G., Thangthaeng, N., Fisher, D. R., Bielinski, D. F., **Kelly, M. E.**, Scott, T. (2016, June). *Berry fruit can improve age-associated neuronal and cognitive deficits: From the laboratory to the clinic.* Talk at the 45th Annual Conference of the American Aging Association, Seattle, WA.

Poulouse, S. M., **Kelly, M. E.**, Bielinski, D. F., Miller, M. G., Rabin, B. M., & Shukitt-Hale, B. (2016, April). *Anthocyanin-rich blueberry diets enhance protection of critical brain regions exposed to acute levels of 56Fe cosmic radiation.* Poster session presented at the Experimental Biology Annual Meeting, San Diego, CA.

Miller, M. G., Fisher, D. R., **Kelly, M. E.**, Bielinski, D. F., & Shukitt-Hale, B. (2015, March). *Effects of dietary blueberry on cognition and in vivo and in vitro inflammatory status.* Poster session presented at FASEB J., Boston, MA.

Fisher, D. R., Bielinski, D. F., **Kelly, M. E.**, & Shukitt-Hale, B. (2014, November). *Tart cherry extracts reduce inflammatory stress signaling and enhance calcium*

*buffering in microglial and neuronal cell lines. Poster session presented at the Society of Neuroscience Annual Meeting, Washington D.C.*

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## Teaching Experience

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<b>Instructor</b> , Sensation and Perception, <i>University of North Texas, Psychology Department</i>	Fall 2021
<b>Instructor</b> , Social Psychology *Online <i>University of North Texas, Psychology Department</i>	Summer 2021
<b>Instructor</b> , General Psychology II, Honors *Online <i>University of North Texas, Psychology Department</i>	Spring 2021
<b>Instructor</b> , Sensation and Perception, *Online <i>University of North Texas, Psychology Department</i> *New course developed	Fall 2020
<b>Teaching Assistant</b> , Perception and Cognition <i>University of North Texas, Psychology Department</i>	Spring 2020
<b>Teaching Assistant</b> , Perception and Cognition <i>University of North Texas, Psychology Department</i>	Fall 2019
<b>Instructor</b> , Social Psychology <i>University of North Texas, Psychology Department</i>	Summer 2019
<b>Instructor</b> , Psychosocial Adjustment <i>University of North Texas, Psychology Department</i>	Spring 2019
<b>Instructor</b> , Experimental Methods Laboratory <i>University of North Texas, Psychology Department</i>	Fall 2018
<b>Teaching Assistant</b> Quantitative Methods <i>University of North Texas, Psychology Department</i>	Spring 2018
<b>Teaching Assistant</b> Experimental Methods <i>University of North Texas, Psychology Department</i>	Fall 2017
<b>Teaching Assistant</b> General Biology Laboratory <i>Providence College, Biology Department</i>	Fall 2013-Spring 2015

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## Guest Lectures and Invited Panels

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<b>Time Perception</b>	Spring 2021
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<i>University of North Texas</i> <i>Perception and Cognition Course Guest Lecture</i>	
<b>Preparing for Graduate School</b> <i>Psi Chi Panel Member</i> <i>University of North Texas</i>	Spring 2021
<b>Conducting Multilevel Logistic Modeling</b> <i>University of North Texas</i> <i>Statistical Theories, Analyses and Measurements</i> <i>in Psychology (STAMP) Lecture</i>	Fall 2020
<b>Preparing for Graduate School</b> <i>Psi Chi Panel Member</i> <i>University of North Texas</i>	Fall 2020
<b>Using REDCap for Research</b> <i>University of North Texas</i> <i>Teen S.T.A.R. Laboratory Guest Lecture</i>	Summer 2020
<b>Touch and Pain</b> <i>University of North Texas</i> <i>Perception and Cognition Course Guest Lecture</i>	Spring 2020
<b>Preparing for Graduate School</b> <i>Psi Chi Panel Member</i> <i>University of North Texas</i>	Spring 2020
<b>Using EMA and Daily Diary Studies</b> <i>University of North Texas</i> <i>Psychological Research Symposium Co-Lecture</i>	Spring 2020
<b>Cluster Analysis</b> <i>University of North Texas</i> <i>Statistical Theories, Analyses and Measurements</i> <i>in Psychology (STAMP) Lecture</i>	Fall 2019
<b>Altered States of Consciousness</b> <i>University of North Texas</i> <i>Perception and Cognition Course Guest Lecture</i>	Fall 2019
<b>Memory and Brain Health as You Age: Understanding Changes and Dispelling Myths</b> <i>Osher Institute for Lifelong Learning Lecture Series</i> <i>Co-Lecture</i>	Fall 2019

<b>Preparing for Graduate School</b> <i>Psi Chi Panel Member</i> <i>University of North Texas</i>	Fall 2019
<b>Experimental Research Design</b> <i>University of North Texas</i> <i>Experimental Methods Course Guest Lecture</i>	Fall 2017
<b>Mixed Methods Research</b> <i>University of North Texas</i> <i>Experimental Methods Course Guest Lecture</i>	Fall 2017

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## Service Positions and Committees

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<b>Behavioral Science GRE Committee Member</b> <i>University of North Texas, Psychology Department</i>	2021-Present
<b>Behavioral Science Program Student Representative</b> <i>University of North Texas, Psychology Department</i>	2019-2021
<b>Psychological Research Symposium Organizer</b> <i>University of North Texas, Psychology Department</i>	2019-2021
<b>Co-Leader Statistical Theories, Analyses and Measurements in Psychology</b> <i>University of North Texas, Psychology Department</i>	2021-2021
<b>Behavioral Science Committee Member</b> <i>University of North Texas, Psychology Department</i>	2019-2021
<b>Graduate Association of Students in Psychology Officer</b> <i>University of North Texas, Psychology Department</i>	2019-2021

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## Ad Hoc Peer Reviewing

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<b>Frontiers in Human Neuroscience</b> <i>Journal Review</i>	2019
<b>The Austrian Science Fund – Hertha Firnberg Programme</b> <i>Grant Review</i>	2019
<b>Journal of Traumatic Stress</b> <i>Journal Review</i>	2018
<b>Brain and Behavior</b>	2018

*Journal Review*

**The Netherlands Organisation for Scientific Research**

2018

*Grant Review*

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## Skills/Knowledge

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| ➤ Statistical Package for Social Sciences (SPSS)             | ➤ Eye-tracking (Eyelink and Gazepoint) |
| ➤ R  | ➤ CO monitor (coVita)                  |
| ➤ Microsoft Office   | ➤ Heart rate/blood pressure wristband  |
| ➤ HLM8 software  | ➤ Alcohol breathalyzer                 |
| ➤ REDCap   | ➤ ELISA assay                          |
| ➤ Zoom   | ➤ Nitrite assay                        |
| ➤ Canvas   | ➤ Fluorescent microscopy               |
| ➤ Blackboard   | ➤ Adaptive Digit Ordering Test         |
| ➤ Galvanic Skin Response and Consensus software from Shimmer | ➤ Trails Making Test                   |
| ➤ Ishihara's Test for Color Deficiency                       | ➤ Rat handling                         |
| ➤ Visual Acuity Test   | ➤ Morris Water Maze                    |
|  | ➤ Radial Arm Water Maze                |

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## Trainings

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**Virtual ERP Bootcamp: Introduction to ERPs**

*University of California, Davis, and San Diego State University*

*Steven Luck, Ph.D. and Emily Kappenman, Ph.D.*

**Graduate Student Teaching Excellence Program**

*University of North Texas*

*Center for Learning, Experimentation, Application and Research*

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## Professional References

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**Anthony Ryals, Ph.D.**

*Assistant Professor*

*University of North Texas*

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**Heidemarie Blumenthal, Ph.D.**

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**Danica Slavish, Ph.D.**

*Assistant Professor  
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**Barbara Shukitt-Hale, Ph.D.**

*Research Psychologist  
United States Department of Agriculture, Agricultural Research Service  
Human Nutrition Research Center on Aging  
711 Washington St  
Boston, MA, 02111  
Barbara.ShukittHale@ars.usda.gov*

**Adriel Boals, Ph.D.**

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