

**Maria Anne Carlson**  
Associate Professor & Department Head  
Department of Psychology & Special Education  
Chair, Institutional Review Board  
Texas A&M University – Commerce

## **School Address**

Texas A&M University-Commerce  
Department of Psychology & Special Education  
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## **Professional Interests**

## **Education**

University of Oklahoma, 2003 - 2010  
M.S. (2006) and Ph.D. (2010) in Psychology  
Specialization: Quantitative Psychology  
Minor in: Social Psychology  
Research Advisor: Dr. Robert Terry

Marietta College – Marietta, Ohio, 1999 – 2003  
B.A. in Psychology  
Minors: Math, Philosophy

## **Post-Doctoral Employment**

Associate Professor, Texas A&M University – Commerce, September 2018 – Present  
Assistant Professor, Texas A&M University – Commerce, September 2012 – August 2018  
Assistant Professor, University of Mary Hardin-Baylor, September 2010 – August 2012

## **Research Experience**

### Graduate Student Research, Summer 2007

ACT, Inc. Summer Internship Program, Mentor: Dr. Peggy Loveless

### Graduate Research Assistant, 2003 - 2005

NSF-ASA Project Title: The Statistical Concepts Inventory (SCI): A Cognitive Achievement Tool in Engineering Statistics; Award ASA-0206977. Project Period: 09/01/02-08/31/05. Direct Costs: \$499,997. PI: T. R. Rhoads.

**Extramural Grants (Funded)**

Principle Investigators: Carlson, C. A. & Carlson, M. A. Title: Eyewitness identification: A systematic investigation of lineup composition and fairness. Amount awarded for 3-year grant: \$344,514. National Institutes of Justice. September, 2018.

Principle Investigators: Hott, B. L. & Carlson, M. A. Title: The Influence of Student and School Characteristics on Texas' Students Advanced Mathematics Course Completion. Amount awarded for 1-year grant \$10,000. Texas OnCourse Research Network at University of Texas at Austin. Funded October, 2016.

Principle Investigators: Cheriya, V. & Carlson, M. A. Title: Target Identification and Validation to Overcome Antiestrogen Resistance in ER+ Breast Cancer. Amount awarded for 2-year grant \$136,000. National Institute of Health. Funded August, 2015.

**Extramural Grants (Submitted)****Extramural Grants (not funded)**

Principle Investigators: Carlson, M. A., Faulkenberry, T., & Henley, T. Title: Computational Modeling of Cognition. Amount requested for 10 day program: \$20,000. William K. and Katherine W. Estes Fund. (Initial Proposal submitted, September 2023)

Principle Investigators: Carlson, M. A., Faulkenberry, T., & Henley, T. Title: Computational Modeling of Cognition. Amount requested for 10 day program: \$20,000. William K. and Katherine W. Estes Fund. (Initial Proposal accepted November, 2022; Full Proposal Submitted December, 2022.)

Principle Investigators: Cheriya, V. & Carlson, M.A. Title: Identification and Validation of Drivers of Intrinsic Metastasis in ER+ Breast Cancer. National Institute of Health. Amount requested for 2-year grant \$140,270.00. Submitted February, 2019.

Principle Investigators: Chan, H., Hott, B. L., & Carlson, M. A. Title: Project ROAR! Racing Towards Algebra Readiness: A University District Partnership to Support Middle Grades Math Instruction. Amount requested for 1 year grant \$4,850.00. American Educational Research Association. Submitted December 2016.

Principle Investigators: Hott, B. L. & Carlson, M. A. Title: Implementing Tier 2 and Tier 3 Positive Behavioral Interventions and Supports within a Comprehensive Multi-Tiered System of Supports Model to Improve Behavior of Students Attending Middle Schools in Rural Texas. Amount requested for 4 year grant \$2,189,664.00. U.S. Department of Education Innovation in Education. Submitted August 2016.

Principle Investigators: Carlson, C. A., Carlson, M. A., & Gronlund, S. D. Title: Collaborative Research on Eyewitness Identification: An Investigation of System and Estimator Variable

Interactions. Amount requested for 3-year grant: \$375,521. National Science Foundation. Submitted August, 2015.

Principle Investigators: Cheriya, V. & Carlson, M. A. Title: G1P3, an Immuno-Endocrine Induced Survival Protein Triggers Mitochondrial-induced Nuclear Epigenome Modifications to Promote Breast Cancer Recurrence. Amount requested for 3-year grant \$475,603. Department of Defense. Submitted January, 2015.

### **Intramural Grants Obtained**

Faculty Development Grant (\$700; TAMUC), August 2022

Faculty Research Enhancement Project Grant (\$9900; TAMUC), September 2015 – August 2016

Faculty Development Grant (\$900; TAMUC), March 2015

Faculty Development Grant (\$700; TAMUC), April 2014

Psychology Department Professional Development Grant (\$1200; University of Mary Hardin-Baylor), 2011

Psychology Department Professional Development Grant (\$700; University of Oklahoma), 2007

### **Published Papers**

#### **2024**

Carlson, C. A., Wooten, A. R., & **Carlson, M. A.** (In Press). Was He the Perpetrator or a Bystander? Testing Theories of Unconscious Transference for Eyewitness Identification. *Journal of Applied Research in Memory and Cognition*.

Carlson, C. A., Pleasant, W. E., **Carlson, M. A.**, & Jones, A. R. (2024). Effects of internal versus external distinctive facial features on eyewitness identification. *Applied Cognitive Psychology*. <http://dx.doi.org/10.1002/acp.4186>

#### **2023**

Carlson, C. A., Wooten, A. R., Lockamy, R. F., Jones, A. R., **Carlson, M. A.**, & Hemby, J. A. (2023). A stronger memory for the perpetrator may attenuate effects of the identification procedure on eyewitness identification. *Applied Cognitive Psychology*, 1–14. [2023 IF = 2.005] <https://doi.org/10.1002/acp.4045>

**Carlson, M. A.**, Carlson, C. A., & Fitzsimmons, C. L. (2023) The Sleepy Eyewitness: Self-Reported Sleep Predicts Eyewitness Memory. *Journal of Applied Research in Memory and Cognition*. Advance online publication. [2023 IF = 4.60] <https://dx.doi.org/10.1037/mac0000076>

#### **2021**

Carlson, C. A., Hemby, J. A., Wooten, A. R., Jones, A. R., Lockamy, R. F., **Carlson, M. A.**, Dias, J. L., & Whittington, J. E. (2021). Testing encoding specificity and the Feature-Detection theory of eyewitness identification, with implications for showups, lineups, and partially disguised perpetrators. *Cognitive Research: Principles and Implications*, 6:14. [2023 IF = 4.17] <https://doi.org/10.1186/s41235-021-00276-3>

Lockamy, R. F., Carlson, C. A., Jones, A. R., Wooten, A. R., **Carlson, M. A.**, & Hemby, J. A. (2021). One perpetrator, two perpetrators: The effect of multiple perpetrators on eyewitness identification. *Applied Cognitive Psychology*, 35, 1206-1223. [2023 IF = 2.005] <https://doi.org/10.1002/acp.3853>

## 2020

Jones, A. R., Carlson, C. A., Lockamy, R. F., Hemby, J. A., **Carlson, M. A.**, & Wooten, A. R. (2020). "All I remember is the black eye." A distinctive facial feature harms eyewitness identification. *Applied Cognitive Psychology*, 34, 1379-1393. [2023 IF = 2.005] <https://doi.org/10.1002/acp.3714>

Lockamy, R. L., Carlson, C. A., Jones, A. R., **Carlson, M. A.**, & Weatherford, D. W. (2020). The effect of viewing distance on empirical discriminability and the confidence-accuracy relationship for eyewitness identification. *Applied Cognitive Psychology*, 34, 1047-1060 [2023 IF = 2.005] <https://doi.org/10.1002/acp.3683>

Wooten, A. R., Carlson, C. A., Lockamy, R. F., **Carlson, M. A.**, Jones, A. R., Dias, J. L., & Hemby, J. A. (2020). The number of fillers may not matter as long as they all match the description: The effect of simultaneous lineup size on eyewitness identification. *Applied Cognitive Psychology*, 34, 590-604. [2023 IF = 2.005] <https://doi.org/10.1002/acp.3644>

## 2019

Whittington, J. E., Carlson, C. A., **Carlson, M. A.**, Weatherford, D. R., Krueger, L. E., & Jones, A. R. (2019). Asking an eyewitness to predict their later lineup performance could harm the confidence-accuracy relationship. *Applied Cognitive Psychology*, 34, 119-131. [2023 IF = 2.005] <https://doi.org/10.1002/acp.3599>

Carlson, C. A., Jones, A. R., Goodsell, C. A., **Carlson, M. A.**, Weatherford, D. A., Whittington, J. E., & Lockamy, R. F. (2019). A method for increasing empirical discriminability and eliminating top-row preference in photo arrays. *Applied Cognitive Psychology*, 33, 1091-1102. [2023 IF = 2.005] <https://doi.org/10.1002/acp.3551>

Carlson, C. A., Jones, A. R., Whittington, J. E., Lockamy, R. L., **Carlson, M. A.**, & Wooten, A. R. (2019). Lineup fairness: Propitious heterogeneity and the diagnostic feature-detection hypothesis. *Cognitive Research: Principles and Implications*, 4. [2023 IF = 4.17] <https://doi.org/10.1186/s41235-019-0172-5>

## 2017

Carlson, C. A., Dias, J. L., Weatherford, D. R., & **Carlson, M. A.** (2017). An investigation of the weapon focus effect and the confidence-accuracy relationship for eyewitness identification. *Journal of Applied Research in Memory and Cognition*, 6, 82-92. [2023 IF = 4.60] doi: <http://dx.doi.org/10.1016/j.jarmac.2016.04.001>

## 2016

Carlson, C. A., **Carlson, M. A.**, Weatherford, D. R., Tucker, A., & Bednarz, J. E. (2016). The effect of backloading instructions on eyewitness identification from simultaneous and sequential lineups. *Applied Cognitive Psychology*, 30, 1005-1013. [2023 IF = 2.005] <https://doi.org/10.1002/acp.3292>

Carlson, C. A., Pleasant, W. E., Weatherford, D. R., **Carlson, M. A.**, & Bednarz, J. E. (2016). The weapon focus effect: Testing an extension of the unusualness hypothesis. *Applied Psychology in Criminal Justice*, 12, 87-100.

Carlson, C. A., Young, D. F., Weatherford, D. R., **Carlson, M. A.**, Bednarz, J. E., & Jones, A. R. (2016). The influence of perpetrator exposure time and weapon presence/timing on eyewitness confidence and accuracy. *Applied Cognitive Psychology*, 30, 898-910. [2023 IF = 2.005] <https://doi.org/10.1002/acp.3275>

## 2015

Connel, B., Hayes, D., & **Carlson, M.** (2015). Relation between Parental Divorce and Adjustment in College Students. *Journal of Divorce and Remarriage*, 56(5), 336 – 345. <https://doi.org/10.1080/10502556.2015.1025756>

Mazambani, G., **Carlson, M.**, & Reysen, S. (2015). Impact of Status and Meme Content on the Spread of Memes in Virtual Communities. *Human Technology: An Interdisciplinary Journal on Humans in ICT Environments*, 11(2), 148 – 164. doi: <https://doi.org/10.17011/ht/urn.201511113638>

## 2014

Carlson, C. A., & **Carlson, M. A.** (2014). An evaluation of lineup presentation, weapon presence, and a distinctive feature using ROC analysis. *Journal of Applied Research in Memory and Cognition*, 3, 45 - 53. [2023 IF = 4.60] <https://doi.org/10.1016/j.jarmac.2014.03.004>

Anderson, S., Carlson, C. A., **Carlson, M. A.**, & Gronlund, S. D. (2014). Individual differences predict eyewitness identification performance. *Personality and Individual Differences*, 60, 36-40. <https://doi.org/10.1016/j.paid.2013.12.011>

Alonga et al. (2014). Registered replication report: Schooler & Engstler-Schooler(1990). *Perspectives on Psychological Science*, 9(5), 556 - 578. [2023 IF = 11.62] <https://doi.org/10.1177/1745691614545653>

Carlson, C. A., Wooten, A., & **Carlson, M. A.** (2014). Of course memory is constructive, invited review of *Human Memory: A Constructivist View*, by M. B. Howes & G. O'Shea. *PsycCRITIQUES*.

## 2013

Carlson, C. A. & **Carlson, M. A.** (2013). An impressive and ambitious new cognitive architecture that integrates cognitive modeling with biological reality, review of *How to build a brain: A neural architecture for biological cognition*, by Chris Eliasmith. *PsycCRITIQUES*.

## 2012

Carlson, C. A., & **Carlson, M. A.** (2012). A distinctiveness-driven reversal of the weapon focus effect. *Applied Psychology in Criminal Justice*, 8, 36-53.

Carlson, C. A., Gronlund, S. D., Weatherford, D. R., & **Carlson, M. A.** (2012). Processing differences between feature-based facial composites and photos of real faces. *Applied Cognitive Psychology*, 26, 525-540. [2023 IF = 2.005] <https://doi.org/10.1002/acp.2824>

## Manuscripts Under Review

Pogrund, R., Jones, B., & **Carlson, M.A.** (Accepted Pending Minor Revisions) Initial Validation Study of a Scale for Itinerant Visual Impairment Professionals to Determine Workload. *Journal of the American Academy of Special Education Professionals (JAASEP)*

Carlson, C. A., Lockamyeir, R. F., **Carlson, M. A.**, Goodsell, C. A., Jones, A. R., Wooten, A. R., & Brand, Z. T. (under review). Comparing the strength of the confidence-accuracy versus response time-accuracy relationship for eyewitness identification. *Scientific Reports*. [IF = 4.60]

Weatherford, D. R., Carlson, C. A., Krueger, L., Williams, C. R., Pardo, R., & **Carlson, M.** (under review). Different types of facial description alter the confidence-accuracy relationship. *Scientific Reports*. [IF = 4.60]

## Manuscripts in Preparation

Weatherford, D.R., Carlson, C.A., Carlson, M.A., Rodriquez, A., & Aranda, D. (in prep). Are you afraid of the dark? The impact of lighting as a memory cue in facial recognition.

## Conference Presentations

### 2024

Wooten, A., Munir, S., Carlson, C., Olof, H., & **Carlson, M.** (2024, February). The influence of prior suspect familiarity on the cross-race effect. The 95th Annual Meeting of the Eastern Psychological Association, Philadelphia, PA.

Carlson, C. A., Lockamyeir, R. F., **Carlson, M. A.**, & Goodsell, C. A. (2024, March). Robustness of the response time- and confidence-accuracy relationship for eyewitness identification. Southwestern Psychological Association annual conference, San Antonio, TX.

Carlson, C. A., Pleasant, E., **Carlson, M. A.**, & Jones, A. R. (2024, March). Effects of internal versus external distinctive facial features on eyewitness identification. Southwestern Psychological Association annual conference, San Antonio, TX.

Carlson, C. A., Wooten, A., & **Carlson, M. A.** (2024, March). Perpetrator or bystander? Testing theories of unconscious transference for eyewitness identification. Southwestern Psychological Association annual conference, San Antonio, TX.

### 2023

Lockamyeir, R., Carlson, C., Wooten, A., Hemby, H., Jones, A., & **Carlson, M.** (2023, March). Concise instructions help mock-jurors devalue eyewitness courtroom confidence when evaluating suspect guilt. The 69th Annual Meeting of the Southeastern Psychological Association, Boston, MA.

Carlson, C. A., Lockamy, R. F., Wooten, A., Hemby, J., Jones, A. R., & **Carlson, M. A.** (2023, April). Concise instructions help mock-jurors devalue eyewitness courtroom confidence when evaluating suspect guilt. Southwestern Psychological Association annual conference, Frisco, TX.

Carlson, C. A., Lockamy, R. F., Wooten, A., Jones, A. R., **Carlson, M. A.**, & Hemby, J. (2023, April). Better eyewitness memory may reduce the importance of identification procedure. Southwestern Psychological Association annual conference, Frisco, TX.

Hemby, J., Carlson, C., & **Carlson, M.** (2023, April). Can a distinctive feature be useful? Testing the effect of a replication with variance lineup on eyewitness identification. Southwestern Psychological Association annual conference, Frisco, TX.

**Carlson, M. A.**, Carlson, C. A., & Fitzsimmons, C. (2023, June). The sleepy eyewitness: Self-reported sleep measures as indicators of eyewitness memory. Annual SLEEP conference, Indianapolis, IN.

Carlson, C., Wooten, A., & **Carlson, M.** (2023, November). Was he the perpetrator or the bystander? Testing theories of unconscious transference for eyewitness identification. The 64<sup>th</sup> Annual Meeting of the Psychonomic Society, San Francisco, CA.

## 2022

Munir, S., Olof, H., Wooten, A., Carlson, C., & **Carlson, M.** (2022, March). The influence of prior suspect familiarity on the cross-race effect. The 68th Annual Meeting of the Southeastern Psychological Association, Hilton Head Island, SC.

Carlson, C. A., **Carlson, M. A.**, & Fitzsimmons, C. (2022, April). The sleepy eyewitness: Self-reported sleep measures as indicators of eyewitness memory. Southwestern Psychological Association annual conference, Baton Rouge, LA.

Carlson, C. A., **Carlson, M. A.**, & Fitzsimmons, C. (2022, October). The sleepy eyewitness: Self-reported sleep measures as indicators of eyewitness memory. ARMADILLO: The Southwest Cognition Conference, hosted by Tarleton State University.

Hemby, J. A., Carlson, C. A., & **Carlson, M. A.** (2022, November). Can a distinctive feature be useful? Testing the effect of a replication with variance lineup on eyewitness identification. The 63<sup>rd</sup> Annual Meeting of the Psychonomic Society, Boston, MA.

Lockamy, R. L., Carlson, C. A., Wooten, A., Jones, A., **Carlson, M.**, & Hemby, J. A. (2022, November). A stronger memory for the perpetrator may attenuate effects of the identification procedure on eyewitness identification. The 63<sup>rd</sup> Annual Meeting of the Psychonomic Society, Boston, MA.

## 2021

Carlson, C. A., Jones, A. R., Whittington, J. E., Lockamyeir, R. F., **Carlson, M. A.**, & Wooten, A. R. (2021, April). An extension of the Diagnostic Feature-Detection hypothesis: Lineup fairness. Southwestern Psychological Association annual conference, San Antonio, TX.

Carlson, C. A., Wooten, A. R., Lockamyeir, R. F., **Carlson, M. A.**, Jones, A. R., Dias, J., & Hemby, J. (2021, April). Another extension of the Diagnostic Feature-Detection hypothesis: Lineup size. Southwestern Psychological Association annual conference, San Antonio, TX.

Jones, A. R., Carlson, C. A., Lockamyeir, R. F., Hemby, J., **Carlson, M. A.**, & Wooten, A. R. (2021, April). The effect of a perpetrator's distinctive facial feature on eyewitness identification. Southwestern Psychological Association annual conference, San Antonio, TX.

Lockamyeir, R. F., Carlson, C. A., Jones, A. R., **Carlson, M. A.**, & Weatherford, D. R. (2021, April). The effect of viewing distance on eyewitness accuracy and confidence. Southwestern Psychological Association annual conference, San Antonio, TX.

Lockamyeir, R. L., Carlson, C. A., Jones, A. R., Wooten, A. R., **Carlson, M. A.**, & Hemby, J. A. (2021, November). One perpetrator, two perpetrators: The effect of multiple perpetrators and their similarity on eyewitness identification. The 62nd Annual Meeting of the Psychonomic Society (virtual).

## 2020

Carlson, C. A., Hemby, J. A., Wooten, A. R., Jones, A. R., Lockamyeir, R. F., **Carlson, M. A.**, Whittington, J. E., & Dias, J. L. (2020, October). Testing the Diagnostic Feature-Detection Hypothesis by removing external facial features in showups and lineups. ARMADILLO: The Southwest Cognition Conference (virtual).

Carlson, C. A., Hemby, J. A., Wooten, A. R., Jones, A. R., Lockamyeir, R. F., **Carlson, M. A.**, Whittington, J. E., & Dias, J. L. (2020, November). Testing the Diagnostic Feature-Detection Hypothesis by removing external facial features in showups and lineups. The 61st Annual Meeting of the Psychonomic Society (virtual).

Lockamyeir, R. L., Carlson, C. A., Jones, A. R., Wooten, A. R., Hemby, J. A., & **Carlson, M. A.** (2020, October). The effect of multiple perpetrators and their similarity on eyewitness identification. ARMADILLO: The Southwest Cognition Conference (virtual).

Jones, A. R., Carlson, C. A., Lockamyeir, R. F., Hemby, J. A., **Carlson, M. A.**, & Wooten, A. R. (2020, November). "All I remember is the black eye." A distinctive facial feature harms eyewitness identification. The 61st Annual Meeting of the Psychonomic Society (virtual).

Lockamyeir, R. L., Carlson, C. A., Jones, A. R., Wooten, A. R., **Carlson, M. A.**, & Hemby, J. A. (2020, November). The effect of multiple perpetrators and their similarity on eyewitness identification. The 61st Annual Meeting of the Psychonomic Society (virtual).



Lockamyeir, R. L., Wooten, A. R., Carlson, C. A., **Carlson, M. A.**, Jones, A. R., Dias, J., & Hemby, J. (2020, March). The number of fillers may not matter as long as they all match the description: The effect of simultaneous lineup size on eyewitness identification. American Psychology-Law Society Conference, New Orleans, LA.

Wooten, A. R., Carlson, C. A., Lockamyeir, R. F., **Carlson, M. A.**, Jones, A. R., Dias, J. L., & Hemby, J. A. (2020, November). The number of fillers may not matter as long as they all match the description: The effect of simultaneous lineup size on eyewitness identification. The 61st Annual Meeting of the Psychonomic Society (virtual).

## 2019

Jones, A. R., Carlson, C. A., Lockamyeir, R. F., Wooten, A. R., & **Carlson, M. A.** (2019, March). Not all fair lineups are created equally: The effect of lineup composition on eyewitness identification. American Psychology-Law Society Conference, Portland, OR.

Lockamyeir, R. L., Carlson, C. A., Jones, A. R., & **Carlson, M. A.** (2019, March). Effects of distance on eyewitness identification accuracy and the confidence-accuracy relationship. American Psychology-Law Society Conference, Portland, OR.

Lockamyeir, R. L., Carlson, C. A., Jones, A. R., Carlson, **M. A.**, Weatherford, D. R., & Goodsell, C. A. (2019, November). The effect of viewing distance on empirical discriminability and the confidence-accuracy relationship for eyewitness identification. The 60th Annual Meeting of the Psychonomic Society, Montreal, Québec, Canada.

Jones, A., Carlson, C., Hemby, J., **Carlson, M.**, Wooten, A., & Lockamyeir, R. (2019, October). Eyewitness identification performance is harmed by the presence of a distinctive feature on the perpetrator, regardless of replication or removal of the feature in the lineup. ARMADILLO: The Southwest Cognition Conference, Texas A&M University – San Antonio.

Lockamyeir, R. F., Carlson, C. A., Jones, A. R., **Carlson, M.A.**, & Weatherford, D. R. (2019, October). The effect of viewing distance and weapon presence on eyewitness identification. ARMADILLO: The Southwest Cognition Conference, Texas A&M University – San Antonio.

Wooten, A., Carlson, C., Lockamyeir, R., Jones, A., Dias, J., **Carlson, M.**, & Hemby, J. (2019, October). The number of fillers may not matter as long as they all match the description: The effect of simultaneous lineup size on eyewitness identification. ARMADILLO: The Southwest Cognition Conference, Texas A&M University – San Antonio.

## 2018

Carlson, C. A., **Carlson, M. A.**, & Jones, A. R. (2018, March). A systematic approach to studying lineup fairness by manipulating facial feature variance. American Psychology-Law Society Conference, Memphis, TN.

Carlson, C. A., Jones, A. R., Goodsell, C. A., **Carlson, M. A.**, Weatherford, D. R., Whittington, J. E., & Lockamyeir, R. F. (2018, March). Suspect position in a simultaneous lineup

affects eyewitness identification. American Psychology-Law Society Conference, Memphis, TN.

Carlson, C. A., Whittington, J. E., Jones, A. R., Lockamyeir, R. F., & **Carlson, M. A.** (2018, November). Lineup fairness: Testing the concept of propitious heterogeneity and the diagnostic feature-detection hypothesis. The 59<sup>th</sup> Annual Meeting of the Psychonomic Society, New Orleans, LA.

Jones, A. R., Carlson, C. A., Lockamyeir, R. F., & **Carlson, M. A.** (2018, November). A systematic evaluation of lineup fairness: Preliminary tests of the diagnostic feature-detection hypothesis. The 59<sup>th</sup> Annual Meeting of the Psychonomic Society, New Orleans, LA.

Jones, A. R., Carlson, C. A., Lockamyeir, R. F., Whittington, J. E., & **Carlson, M. A.** (2018, March). All fair lineups are not created equally: The effect of lineup composition on eyewitness identification. American Psychology-Law Society Conference, Memphis, TN.

Carlson, C., Whittington, J., Jones, A., Lockamyeir, R., & **Carlson, M.** (2018, September). Lineup fairness: Propitious heterogeneity and the diagnostic feature-detection hypothesis. ARMADILLO: The Southwest Cognition Conference, Rice University, Houston, TX.

Carlson, C. A., **Carlson, M. A.**, & Jones, A. R. (2018, April). A systematic approach to studying lineup fairness by manipulating facial feature variance. Southwestern Psychological Association annual conference, Houston, TX.

Jones, A. R., Carlson, C. A., Lockamyeir, R. F., Wooten, A. R., & **Carlson, M. A.** (2018, September). Not all fair lineups are created equally: The effect of lineup composition on eyewitness identification. ARMADILLO: The Southwest Cognition Conference, Rice University, Houston, TX.

Jones, A. R., Carlson, C. A., Lockamyeir, R. F., Whittington, J. E., & **Carlson, M. A.** (2018, April). All fair lineups are not created equally: The effect of lineup composition on eyewitness identification. Southwestern Psychological Association annual conference, Houston, TX.

Whittington, J. E., Carlson, C. A., **Carlson, M. A.**, & Krueger, L. E. (2018, April). Practice makes perfect: An investigation into the enhancement of eyewitness predictive confidence. Southwestern Psychological Association annual conference, Houston, TX.

## 2017

Carlson, C. A., **Carlson, M. A.**, Weatherford, D. R., Dias, J. L., Young, D. F., Bednarz, J. E., & Jones, A. R. (2017, March). The impact of concealment and crime duration on the weapon focus effect. American Psychology-Law Society Conference, Seattle, WA.

Carlson, C.A., Jones, A. R., Goodsell, C. A., **Carlson, M. A.**, Weatherford, D. R., Bednarz, J. E., & Lockamyeir, R. F. (2017, April) Eyewitness identification is affected by suspect

position in a simultaneous lineup. Southwestern Psychological Association annual conference, San Antonio, TX.

Bednarz, J. E., Carlson, C. A., **Carlson, M. A.**, Weatherford, D. R., Young, D., & Wooten, A. (2017, April) Pre-lineup Confidence Assessment Could Harm the Post-lineup Confidence-Accuracy Relationship. Southwestern Psychological Association annual conference. San Antonio, TX.

Carlson, C. A., **Carlson, M. A.**, Weatherford, D. R., Dias, J. L., Young, D. F., Bednarz, J. E., & Jones, A. R. (2017, April) The Impact of Concealment and Crime Duration on the Weapon Focus Effect. Southwestern Psychological Association annual conference. San Antonio, TX.

Hott, B. L. & **Carlson, M. A.** (2017, October). Houston We Might Have a Problem: Texas Students with Learning Disabilities Access to Advanced Mathematics Courses. Council for Learning Disabilities, Baltimore, MD

## 2016

Bednarz, J., Carlson, C., **Carlson, M.**, Weatherford, D., Young, D., & Wooten, A. (2016, November). Asking an eyewitness to predict their confidence in a later lineup decision could harm the confidence-accuracy relationship. The 57th Annual Meeting of the Psychonomic Society, Boston, MA.

Bednarz, J., Carlson, C., **Carlson, M.**, Wooten, A., & Young, D. (2016, March). Eyewitness confidence and accuracy: An evaluation of pre- versus post-lineup confidence assessment. American Psychology-Law Society conference, Atlanta, GA.

Carlson, C., Jones, A., Goodsell, C., **Carlson, M.**, Weatherford, & Bednarz, J. (2016, November). Suspect position in a simultaneous lineup affects eyewitness identification. The 57th Annual Meeting of the Psychonomic Society, Boston, MA.

Young, D., Carlson, C., Weatherford, D., **Carlson, M.**, Bednarz, J., Mayberry, J., & Wooten, A. (2016, March). It's about time: The influence of time to encode a perpetrator versus a weapon on the confidence-accuracy relationship. American Psychology-Law Society conference, Atlanta, GA.

Bednarz, J., Carlson, C., **Carlson, M.**, & Young, D. (2016, April). Eyewitness confidence and accuracy: Pre- versus post-lineup confidence assessment. Southwestern Psychological Association annual conference, Dallas, TX.

Carlson, C., Jones, A., Goodsell, C., Weatherford, D., **Carlson, M.**, & Bednarz, J. (2016, April). Suspect position in a simultaneous lineup affects eyewitness identification. Southwestern Psychological Association annual conference, Dallas, TX.

Young, D., Carlson, C., **Carlson, M.**, Weatherford, D., Bednarz, J., Jones, A., & Mayberry, J. (2016, April). Eyewitness identification: Perpetrator visibility, weapon presence, and the

confidence-accuracy relationship. Southwestern Psychological Association annual conference, Dallas, TX.

Carlson, C., Jones, A., Goodsell, C., **Carlson, M.**, Weatherford, & Bednarz, J. (2016, September). Suspect position in a simultaneous lineup affects eyewitness identification. ARMADILLO: The Southwest Cognition Conference at University of Texas – El Paso.

## 2015

Carlson, C. A., Saladino, N., & **Carlson, M. A.** (2015, March) Training with Weapons Information can Reduce False Identifications after a Crime Involving a Weapon. American Psychology-Law Society Conference, San Diego, CA.

Connel, B., Hayes, D., & **Carlson, M.** (2015, April). Relation between parental divorce and adjustment in college students. Presentation at Texas A&M University-Commerce Annual Research Symposium. Commerce, TX.

Bednarz, J., Carlson, C., **Carlson, M.**, Wooten, A., Young, D., & Mayberry, J. (2015, October). Eyewitness confidence and accuracy: Pre-versus post-lineup confidence assessment. ARMADILLO: The Southwest Cognition Conference at Baylor University, Waco, TX.

Young, D., Carlson, C., Weatherford, D., **Carlson, M.**, Bednarz, J., Mayberry, J., & Wooten, A. (2015, October). It's about time: The influence of time to encode a perpetrator versus a weapon on eyewitness identification. ARMADILLO: The Southwest Cognition Conference at Baylor University, Waco, TX.

Bednarz, J., Carlson, C., **Carlson, M.**, Wooten, A., Young, D., & Mayberry, J. (November 2015). Eyewitness confidence and accuracy: Pre- versus post-lineup confidence assessment. The 56<sup>th</sup> Annual Meeting of the Psychonomic Society, Chicago, IL.

Young, D., Carlson, C., Weatherford, D., **Carlson, M.**, Bednarz, J., Mayberry, J., & Wooten, A. (2015, November). It's about time: The influence of time to encode a perpetrator versus a weapon on eyewitness identification. The 56th Annual Meeting of the Psychonomic Society, Chicago, IL.

## 2014

Mazambani, G., **Carlson, M.**, & Reysen, S. (2014, February). An exploration of language use by high and low status group members. Poster presented at the 15th annual meeting of the Society of Personality and Social Psychology, Austin, TX.

Carlson, C. A., & **Carlson, M. A.** (2014, March). An evaluation of perpetrator distinctiveness, weapon presence, and lineup presentation using ROC analysis. American Psychology-Law Society Conference, New Orleans, LA.

Carlson, C. A., & **Carlson, M. A.** (2014, April). An evaluation of perpetrator distinctiveness, weapon presence, and lineup presentation using ROC analysis. Southwestern Psychological Association annual conference, San Antonio, TX.

Mazambani, G., **Carlson, M.**, & Reysen, S. (2014, April). The psychology of social networks: The creation, spread, and extinction of memes in virtual communities. Poster presented at the 5th annual Federation Graduate Student Research Symposium, Denton, TX.

Vemuri, S., Gaddipati, L., **Carlson, M.**, and Cheriya, V. (2014, April) Interferon Stimulated Genes Confer Poor Survival in Breast Cancer Patients. Texas A&M University –Annual Research Symposium, Texas A&M University – Commerce.

Carlson, C. A., & **Carlson, M. A.** (2014, October). An evaluation of perpetrator distinctiveness, weapon presence, and lineup presentation using ROC analysis. ARMADILLO: The Southwest Cognition Conference at University of Oklahoma, Norman Ok.

Anderson, S., Carlson, C. A., **Carlson, M. A.**, & Gronlund, S. D. (2014, October). Individual differences predict eyewitness identification performance. ARMADILLO: The Southwest Cognition Conference at University of Oklahoma, Norman Ok.

Carlson, C. A., & **Carlson, M. A.** (2014, November). An evaluation of perpetrator distinctiveness, weapon presence, and lineup presentation using ROC analysis. The 55<sup>th</sup> Annual Meeting of the Psychonomic Society, Long Beach, CA.

## 2013

Anderson, S., Carlson, C. A., **Carlson, M. A.**, & Gronlund, S. D. (2013, March). Individual differences predict eyewitness identification performance. American Psychology-Law Society Conference, Portland, OR.

Carlson, C. A., **Carlson, M. A.**, & Saladino, N. (2013, March). A distinctiveness-driven reversal of the weapon-focus effect. American Psychology-Law Society Conference, Portland, OR.

Anderson, S., Carlson, C. A., **Carlson, M. A.**, & Gronlund, S. D. (2013, March). Individual differences predict eyewitness identification performance. Southwestern Psychological Association annual conference, Fort Worth, TX.

Carlson, C. A., **Carlson, M. A.**, & Saladino, N. (2013, March). A distinctiveness-driven reversal of the weapon-focus effect. Annual Research Symposium, Texas A&M University – Commerce.

**Carlson, M.A.**, & Hott, B. L. (2013, March) Mathematics Achievement in the Middle Grades: Predictors of Success. Texas A&M University –Annual Research Symposium, Texas A&M University – Commerce.

Carlson, C. A., **Carlson, M.A.**, & Saladino, N. (2013, April) A distinctiveness-driven reversal of the weapon-focus effect. “Mock” Southwestern Psychological Association annual conference, Commerce, TX.

Hott, B. L. & **Carlson, M. A.** (2013, October). The Middle School Mathematics Trajectory: Implications for Students with Learning Disabilities. Council for Learning Disabilities, Austin, TX.

Vemuri, S., Miller, M. K., **Carlson, M.** and Cheriyaath, V. (2013, November) Interferon stimulated genes confers poor survival outcome in estrogen receptor negative breast cancer. North Texas Life Science Research Symposium, University of North Texas Health Sciences Center, Fort Worth, TX.

## 2012

Carlson, C. A., **Carlson, M. A.**, & Saladino, N. (2012, October). A distinctiveness-driven reversal of the weapon-focus effect. ARMADILLO: The Southwest Cognition Conference at TAMU in Laredo, TX.

Anderson, S., Carlson, C. A., **Carlson, M. A.**, & Gronlund, S. D. (2012, November). Individual differences predict eyewitness identification performance. The 53rd Annual Meeting of the Psychonomic Society, Minneapolis, MN.

Carlson, C. A., **Carlson, M. A.**, Saladino, N., & Weatherford, D. R. (2012, November). A distinctiveness-driven reversal of the weapon-focus effect. The 53rd Annual Meeting of the Psychonomic Society, Minneapolis, MN.

## 2009

**Carlson, M. A.**, & Terry, R. (2009, August). An experimental constrained model of stereotype threat. The Joint Statistical Meetings, Washington, D.C.

## 2007

**Carlson, M. A.**, Terry, R. & Rodgers, J. (2007, May). Rater sampling issues in sociometric measurement. The Association for Psychological Science, Washington, D.C.

Terry, R., & **Carlson, M. A.** (2007, November). Modeling stereotype threat: Item response theory analysis. Paper presented at the Society of Multivariate Experimental Psychology, Chapel Hill, N.C.

## 2003

**Carlson, M. A.** (2003, March). Effects of self-esteem on dating preferences: Evidence for self-verification theory. The Southeastern Psychological Association, New Orleans, LA.

## Departmental and Invited Colloquia

Introduction to Survival Analysis. Invited talk for Advanced Psychological Statistics (PSY 406) at Texas A& M University – Commerce, October 2015.

Stereotype threat from an item-level perspective. Invited talk for the Department of Psychology at the University of Oklahoma, October 2008.

Modeling Stereotype Threat: Item Response Theory Analysis. Invited talk for the Undergraduate Curriculum and Pedagogy Research Seminar in the Department of Mathematics at the University of Oklahoma, December 2007.

Rater Sampling Issues in Sociometric Measurement. Invited talk for the Department of Psychology at the University of Oklahoma, April 2004.

## **Teaching Experience**

### **Courses Taught**

#### **Texas A&M University – Commerce, *Department of Psychology and Special Education***

##### **Graduate Courses (Face-to-Face)**

Advanced Tests & Measurement (PSY 671)

##### **Graduate Courses (Online)**

Developmental Psychology (PSY 545)

Psychological Assessment and Measurement (PSY 572)

Nonparametric Statistics (PSY 610)

Educational Psychological Statistics (PSY 612)

Multivariate Statistics (PSY 670)

Advanced Tests & Measurement (PSY 671)

Intermediate Statistics (PSY 681)

##### **Undergraduate Courses (Face-to-Face)**

Introduction to Psychology (PSY 2301)

Understanding Statistics (PSY 301)

Statistics and Research Methods I (PSY 302)

Statistics and Research Methods II (PSY 305)

Lifespan Development (PSY 322)

##### **Undergraduate Courses (Online)**

Introduction to Psychology (PSY 2301)

Learning Processes and Development (PSY 300)

Statistics and Research Methods I (PSY 302)

Statistics and Research Methods II (PSY 305)

Psychology/Sociology of Diverse Populations (PSY 310)

Child and Adolescent Development (PSY 319)

Lifespan Development (PSY 322)

##### **Independent Supervision**

Honors Thesis Hours (PSY 490)

Honors Readings (PSY 491)

#### **University of Mary Hardin-Baylor, *Department of Psychology***

##### **Undergraduate Courses (Face-to-Face)**

General Psychology (PSYC 1301)

Psychological Methods (PSYC 2323)  
Developmental Psychology (PSYC 3310)  
Social Psychology (PSYC 3319)  
History and Systems of Psychology (PSYC 3323)  
Experimental Psychology (PSYC 4316)

Undergraduate Courses (Online)

Psychological Methods (PSYC 2323)

**University of Oklahoma, *Department of Psychology***

Undergraduate Courses (Face-to-Face)

Elements of Psychology, Graduate Teaching Assistant (PSY 1113)  
Research Methods I: Statistics (PSY 2113)  
Research Methods II: Applications and Experimental Design, Lab Instructor (PSY 3114)  
Psychological Tests and Measurements, Graduate Teaching Assistant (PSY 4023)

Graduate Courses (Face-to-Face)

Psychological Statistics I, Graduate Teaching Assistant (PSY 5003)  
Psychological Statistics II, Graduate Teaching Assistant (PSY 5013)

**Service**

**Texas A&M University – Commerce**

***University Service***

Member, Graduate Council (September 2024 – Present)  
Chair, University Institutional Review Board (Chair 2023 - Present, Vice Chair 2022 – 2023, Member 2019 – 2022)  
Academic Department Head Council (Member 2022 – Present)  
College of Education and Human Services Executive Council (Member 2022 – Present)  
Judge, TAMUC Annual Research Symposium (2023)  
Judge, Federation Graduate Student Research Symposium (2022)  
Graduate School Representative (2017 – Present)  
Member, Graduate faculty (2015 – Present)  
University Core Curriculum Assessment Committee Member (2014 – 2022)  
Member, SACS Onsite Review Committee: CHEC campus (March 2014)  
Texas Affordable Bachelorette: Core program competency team (2012 – 2014)

***College Service***

Member, COEHS Recruitment and Retention Committee, (2022)  
Member, COEHS Tenure and Promotion Committee (2019 – 2022)  
Member, Retention, Dismissal & Appeals Committee (2018 – 2019)

***Departmental Service***

Department Head, Psychology and Special Education (2022 – Present)



Member, Psychology Doctoral Committee (2012 – Present)  
Chair, Department of Psychology and Special Education Executive Committee (2022 – Present)  
Member, Psychology & Counseling Graduate Student Association: PCGSA (2012 –Present)  
Assistant Department Head (2020 – 2022)  
Chair, Psychological Statistics and Research Methods Course Revamp (2020 – 2022)  
Chair, Navarro College Mental Health B.S. pathway (2020 - 2022)  
Coordinator, Psychology Undergraduate Program (2019 – 2022)  
Chair, Undergraduate Programs Committee (member: 2012 – 2018, Chair: 2019 – 2022)  
Student Recruitment: Psychology Career Day (November 2019)  
Institutional Effectiveness Departmental Representative (2018)  
Curriculum proposal – Understanding Statistics, PSY 301 (October 2016)  
Student Recruitment: Cameron University (April 2014)  
Curriculum proposal – Advanced Psychological Statistics, PSY 406 (October 2014)  
Psi Chi International Honors Society for Psychology, Faculty Advisory (2013 – 2018)  
Member, Department of Psychology, Counseling, and Special Education Annual Faculty Evaluation Committee (2013 – 2014)

### ***Search Committees***

Physiology Faculty Search, Committee Member, Department of Biological and Environmental Sciences (2013)  
Department Head Search, Chair, Department of Psychology and Special Education (2022)

### **University of Mary Hardin-Baylor**

#### ***University Service***

Admissions and Financial aid committee member (2011 – 2012)

#### ***Departmental Service***

Core Curriculum proposal – Scientific Inquiry Course (2010)  
Curriculum proposal – Advanced Experimental Design Course (2011)  
Undergraduate Academic Advisor (2011 – 2012)

### **Theses and Dissertations**

#### ***Dissertation Committees***

Present: Curry  
Past: Mazambani, Lamphere, Gibson, Bednarz, Riley, McCain, Smith, Pleasant, Jones, Wooten, Lockameir, Sumrall Pleasant, Jones, Wooten, Lockameir, Sumrall

#### ***Thesis Committees***

Present: Malone, Hemby  
Past: Bednarz, Lamphere, Gibson, Pleasant, Wooten, Jones, Welch, Young, Larey (Chair), Turner, Curry

#### ***Honors Thesis Committees***

Past: Smith (Chair), Highlander (Chair), Connel

**Professional Affiliations**

Southwestern Psychological Association  
Council of Graduate Departments of Psychology  
Psychonomic Society

**Professional Service**

Ad hoc reviewer, Psychology, Crime, and Law, 2022 - present  
Ad hoc reviewer, Education Sciences, 2022 - present  
Reviewer, American Educational Research Association annual conference, 2020 – present  
Reviewer, American Psychology-Law Society annual conference, 2019 - present

**Honors & Awards**

Research cited in recent *National Academy of Science* report, October 2014  
Research project featured in *Pride* magazine, fall 2013  
Kappa Mu Epsilon Mathematics Honor Society, 2003  
Psi Chi National Honor Society for Psychology, 2001