

Curriculum Vitae

Curt Anthony Carlson

Professor
Director, Applied Cognition Laboratory
Coordinator, General Psychology MS and PhD Programs
Department of Psychology and Special Education
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Texas A&M University - Commerce
Commerce, TX 75429
903-468-8723
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Research Interests

I am interested in recognition memory and face processing in applied areas, especially eyewitness identification. Examples of variables investigated by my lab are: weapon presence, encoding time, distance between eyewitness and perpetrator, distinctive facial features, police instructions, and composition and presentation of identification procedures.

Publication Statistics

h-index = 16 (Google Scholar)
i10-index = 18 (Google Scholar)
ResearchGate Score: 24.81

Education

University of Oklahoma, 2002 - 2008
M.S. and Ph.D. in Psychology
Specialization: Experimental/Cognitive Psychology
Minor Areas: Quantitative Methods, Evolutionary & Physiological Psychology
Research Advisor: Scott Gronlund
University of Nebraska – Lincoln, 2000 - 2002
B.A. in Psychology
Summa Cum Laude
Minors: History, Philosophy
University of Dallas, 1997 - 1999
Major in Psychology
Liberal Arts Education

Post-Doctoral Employment

Assistant Professor, Texas A&M University – Commerce, August 2008 – August 2014
Associate Professor, Texas A&M University – Commerce, September 2014 – August 2020
Full Professor, Texas A&M University – Commerce, August 2020 – Present

Grant Research Experience

Graduate Research Assistant, 2002 - 2005

National Science Foundation grant: “Sequential Lineups: Contributions of Recollection and Distinctiveness,” PI: Dr. Scott Gronlund

Graduate Research Assistant, 2007 - 2008

National Science Foundation grant: “Recollection and Distinctiveness,” PI: Dr. Scott Gronlund

Researcher, 2011-2013

National Science Foundation grant: “Collaborative Research: Showups vs. Lineups: A Comparison of Two Identification Techniques” PIs: Dr. Jeffrey Neuschatz, (University of Alabama in Huntsville), Dr. Scott Gronlund (University of Oklahoma) and Dr. Charles Goodsell (Canisius College)

Principle Investigator, 2012-2013

American Psychological Association (division 41) grant: “The influence of perpetrator distinctiveness on the weapon-focus effect and simultaneous versus sequential lineup performance: An ROC analysis”

Co-Principle Investigator, 2017-2018

Charles Koch Foundation Grant: “Eyewitness confidence and accuracy,” with co-PI Jane Bednarz.

Principle Investigator, 2019-2022

NIJ Grant: “A systematic investigation of lineup composition and fairness,” with co-PI Maria Carlson.

Texas A&M – Commerce Intramural Grants Obtained (chronological)

COEHS travel grant (\$400), November 2008
Faculty Development Grant (\$600), November 2008
COEHS travel grant (\$500), November 2009
Faculty Mini-Grant (\$600), December 2009
COEHS travel grant (\$500), November 2010
Faculty Development Grant (\$700), April 2011
Faculty Development Grant (\$700), November 2011
Faculty Development Grant (\$700), April 2013
COEHS travel grant (\$600), October 2013
Faculty Development Grant (\$700), April 2014

Faculty Development Grant (\$700), April 2015
Faculty Research Enhancement Project Grant (\$9900), September 2015 – August 2016
Faculty Development Grant (\$300), April 2017

Extramural Grant Submissions (unfunded)

National Science Foundation

Principle Investigator: **Carlson, C. A.** Title: Helping to prevent miscarriages of justice: Uncovering the memory and decision processes underlying accurate versus inaccurate eyewitness identifications. Amount requested for 2-year grant \$107,872. Federal Initiatives pre-proposal for grant from the National Science Foundation, Law & Social Sciences Division. October, 2009.

Senior Personnel: **Carlson, C. A.**, Principle Investigators: Krueger, L. E., & Reysen, S. Title: Research Experience for Undergraduates (REU) in Psychological Science. Amount requested for 3-year grant: \$329,988. NSF. October, 2009; August, 2010.

Principle Investigators: Attardo, S., Henley, T., Lu, S., Pickering, L., & **Carlson, C.** Title: MRI Consortium: Acquisition of Mobile Eye Tracking Research Consortium of Social/Human Computer Interactions in Everyday Life and STEM Learning. Amount requested for 3-year grant: \$296,179. January 2014.

Principle Investigators: **Carlson, C. A.**, Carlson, M. A., & Gronlund, S. D. Title: Eyewitness Identification: An Investigation of System and Estimator Variable Interactions. Amount requested for 3-year grant: \$375,521. December, 2015.

American Psychological Association

Principle Investigators: **Carlson, C. A.** & Goodsell, C. A. Title: An Investigation of Suspect Position Effects in the Simultaneous Lineup. Amount requested for 18-month project: \$48,943. American Psychology-Law Society Grant for Research to Enhance the Impact and Diversification of Psychology & Law Research. October, 2016.

Principle Investigator: **Carlson, C. A.** Title: The Impact of Perpetrator Distance and Weapon Presence on Eyewitness Identification. Amount requested for 12-month project: \$5000. American Psychology-Law Society Grant for Research to Enhance the Impact and Diversification of Psychology & Law Research. October, 2016.

Dissertation Research Award for Jane Bednarz (advisor: C. A. Carlson). Title: Eyewitness Confidence and Accuracy. Amount requested for 12-month project: \$4500. November, 2016.

Funded Extramural Grants

Principle Investigator: **Carlson, C. A.** Title: The influence of perpetrator distinctiveness on the weapon-focus effect and simultaneous versus sequential lineup performance: An ROC analysis. Amount awarded (and award maximum): \$5000. American Psychology-Law

Society Early Career Psychologist Grant. Approved November 2012.

Principle Investigators: Bednarz, J. E. & **Carlson, C. A.** Title: Eyewitness confidence and accuracy. Amount awarded: \$4500. Charles Koch Foundation Dissertation Grant. Approved March, 2017.

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.

Teaching Experience

Graduate Teaching Assistant (University of Oklahoma)

Research Methods & Design: Fall '02, Spring '03, Fall '04, Spring '05, Spring '07

Instructor: Undergraduate Courses (U. of Oklahoma, Texas A&M Commerce)

Introductory Psychology: Fall '05, Fall '08, Spring '09, Summer '09 (web), Fall '09 (2 sections, 1 web), Spring '12 (2 sections, 1 web), Summer '12 (web), Summer '13 (2 web sections), Summer '14 (web), Summer '15 (2 web sections), Summer '16 (web), Summer '20 (web), Fall '20 (web)

Cognitive Psychology: Fall '06, Fall '07, Spring '08, Summer '09 (web), Spring '10 (2 sections, 1 web), Summer '10 (web), Fall '10, Spring '11 (web), Summer '11 (web), Fall '11, Summer '12 (web), Spring '13 (web), Summer '13 (web), Spring '14 (web), Summer '14 (2 web sections), Summer '15 (web), Summer '16 (web), Summer '17 (web), Spring '18 (web), Spring '19 (web), Spring '20 (web), Spring '21 (web)

Introduction to Statistics for Psychology: Spring '07 (web)

Educational Psychology: Summer '09 (two sections, one web), Spring '13 (web), Fall '19 (web)

Psychology & Sociology of Diverse Populations: Winter '10 (web), Winter '20 (web)

Organizational Psychology: Spring '11

Learning & Motivation: Fall '11 (web), Spring '12, Spring '13, Summer '17

Eyewitness Identification (Independent Study): Spring '13

Research Apprenticeship: Spring 2010-present

Applied Professional Ethics: Summer '18 (web), Fall '18 (web), Spring '21 (web)

Instructor: Graduate Courses (Texas A&M University – Commerce)

Cognitive Psychology: Fall '08, Spring '09, Summer '10, Fall '11, Fall '12, Fall '13, Fall '14, Spring '15, Spring '16, Spring '17, Spring '18, Fall '18, Fall '19, Fall '20

Introduction to Statistics (web): Summer '11, Spring '12, Fall '12, Fall '13, Spring '14, Fall '14, Spring '15, Fall '15, Spring '16, Summer '16, Fall '16, Spring '17, Summer '17, Fall '17, Summer '18, Spring '19, Summer '19, Spring '20, Summer '20, Fall '20

Contemporary Cognitive Psychology (web): Winter '10

Applied Cognitive Psychology: Summer '10, Fall '13 (web)

Memory: Fall '10 (web), Fall '15

Face Perception and Memory: Summer '12, August '14 (web), May '16 (web)

Selected Memory Topics (web): May '14

Long-Term Memory (web): Fall '12

Intermediate Statistics (web): Summer '10, Summer '11, Summer '18, Summer '19, Summer '20

Eyewitness Identification (web): Summer '12, Winter '15, Summer '17

Evolutionary Psychology: Summer '11, Summer '15

Memory and Law: Summer '13

Applied Memory: Spring '14

Adaptive Memory: Summer '14

Signal Detection Theory: Fall '15

Advanced Cognition: Fall '16, Fall '17

False Memory (web): Winter '13, Winter '17

Ethical Issues in Organizations (web): Spring '18

Professional Affiliations

Fellow of the Psychonomic Society
 Association for Psychological Science
 American Psychological Association
 American Psychology-Law Society
 Southwestern Psychological Association
 Innocence Project of Texas
 Society for Applied Research in Memory and Cognition (SARMAC)
 Association for Research in Memory, Attention, Decision-Making, Imagery, Learning, Language,
 & Organization (ARMADILLO; hosts Southwest Cognition Conference)
 Office of Justice Programs (Department of Justice)

Service (chronological within each category)

Regional

Webmaster, Southwestern Cognition Group (ARMADILLO), 2011
 Co-organizer, ARMADILLO cognitive conference at TAMU-C, May-Oct, 2011
 Reviewer, Southwestern Psychological Association annual conference, 2011-present
 Member, Innocence Project of Texas, 2011-present
 Co-organizer, ARMADILLO cognitive conference, 2021

National/International

Ad hoc reviewer, *Child Development*, 2009
 Ad hoc reviewer, *Journal of Experimental Psychology: Applied*, 2009-present
 Reviewer, NSF's Law and Social Sciences Grant Program, 2009-present
 Reviewer, American Psychological Association annual conference, 2010-present
 Pro bono consultant, federal death row habeas proceeding, October, 2011
 Reviewer, American Psychology-Law Society annual conference, 2011-present
 Reviewer, PsycCRITIQUES, 2012-2017
 Reviewer, *Evolutionary Psychology* (chapters 9, 11, 12, & 13), by David Buss, 2012
 Member, The Reproducibility Project, 2012-present
 Reviewer, *Cognitive Psychology*, by Robinson-Riegler & Robinson-Riegler, 2012
 Ad hoc reviewer, *Journal of Applied Research in Memory and Cognition*, 2013-present
 Ad hoc reviewer, *Legal and Criminological Psychology*, 2013-present
 Ad hoc reviewer, *Quarterly Journal of Experimental Psychology*, 2013-present
 Ad hoc reviewer, *Psychology, Crime, & Law*, 2014-present
 Ad hoc reviewer, *Journal of Experimental Criminology*, 2014-present
 Editorial Board Member, *International Journal of Psychological Studies*, 2014-present
 Ad hoc reviewer, *Applied Cognitive Psychology*, 2015-present
 Ad hoc reviewer, *JEP: Human Perception and Performance*, 2015-present
 Co-Chair, 2016 Conference for the American Psychology-Law Society (APA Div. 41)
 Ad hoc reviewer, *Journal of Quantitative Criminology*, 2015-present
 Ad hoc reviewer, *JEP: Learning, Memory, & Cognition*, 2017-present
 Signatory on Amicus Brief for *State of Ohio v Kevin Keith*, 2017

Ad hoc reviewer, *Memory & Cognition*, 2017-present
 Ad hoc reviewer, Office of Justice Programs, 2018-present
 Ad hoc reviewer, *Psychology, Public Policy, and Law*, 2018-present
 Ad hoc reviewer, *Biological Rhythm Research*, 2020-present
 Ad hoc reviewer, *PLOS ONE*, 2020-present
 Ad hoc reviewer, *Law & Human Behavior*, 2020-present
 Ad hoc reviewer, *Journal of Experimental Psychology: General*, 2020-present
 Ad hoc reviewer, *Scientific Reports*, 2020-present
 Editorial Board Member, *Psychology, Crime, & Law*, 2020-present

Texas A&M University – Commerce

Coordinator, psychology doctoral program, 2009-present
 Chair, departmental doctoral committee, 2009-present
 Departmental webmaster, 2009-2012, 2019-present
 Administrator, departmental online Experiment Management System, 2009-present
 Creator and Administrator, Departmental Facebook site, 2010-present
 Associate member, graduate faculty, 2009-present
 Creator, PSY325: Evolutionary Psychology, 2010
 Chair, dissertation committees
 Past: Dailey, Weatherford, Dias, Bednarz, Wooten
 Present: Lockamyeir, Pleasant, Jones
 Chair, Masters committees
 Past: Syed, Saladino, Dias, Maybery, Bednarz, Young, Pleasant, Lockamyeir, Jones
 Present: Bunt, Holmes, Hemby, Fitzsimmons
 Member, dissertation committees
 Past: Faulkenberry, Lawrence, Rawlinson, Gibson, Peters, Kotturu, McAllister, McDaniel, Chadborn
 Present: Stevens, Stephens, Brooks
 Member, Masters committees
 Past: McDaniel, Relph, Stevens, Allen
 Present: Dwiggin, Quinton
 Member, undergraduate honors thesis
 Past: Gerrels
 Student Recruitment
 Collin County Community College fair, November 2009
 University of Oklahoma Psychology Club, March 2010
 Mesquite campus Graduate Expo: April '10, March '11, March '12, March '14, April '15, May '17
 Collin Higher Education Center graduate fair: September '10, February '11
 University of Dallas presentation, February 2014
 North Lake College Invited Talk, October 2014
 Southwest Psychological Association annual meeting, San Antonio, April '17
 Carlson Applied Cognition Laboratory (providing research experience to undergraduates):

Spring '09: 2 students; Fall '09: 4 students; Spring '10: 4 students; Fall '10: 5 students; Spring '11: 6 students; Fall '11: 6 students; Spring '12: 6 students; Fall '12: 7 students; Spring '13: 9 students; Summer '13: 1 student; Fall '13: 9 students; Spring '14: 9 students; Summer '14: 2 students; Fall '14: 8 students; Spring '15: 9 students, Fall '15: 5 students, Spring '16: 7 students; Fall '16: 7 students; Spring '17: 7 students; Fall '17: 7 students; Spring '18: 7 students; Fall '18: 6 students; Spring '19: 8 students; Summer '19: 1 student; Fall '19: 8 students; Spring '20: 8 students; Fall '20: 4 students; Spring '21: 4 students

Member, Psychology Counseling Graduate Student Association (PCGSA), 2011-2016

Presentation about the doctoral program, March 2013

Presentation about comprehensive exams, December 2014

Member, clinical psychology departmental search committee, 2013-14, 2014-15

Member, University IRB Board, 2013-2018

- Assistant Chair of IRB, December 2014 - 2018

Invited Panelist, Meet-Greet-Critique event for the College of Education, February 2014

Member, University Research and Creative Activities Advisory Committee, 2016-2017

Departmental brownbag talks coordinator, 2017-present

Creator and discussion leader, weekly discussion group with cognitive graduate students, 2019-2020

Mentoring

Dawn Weatherford, MS, 2011, PhD, 2013

- Assistant Professor: Arkansas State University (2013-16), Texas A&M University – San Antonio (2016-present)

Natalie Saladino, MS, 2014

- Correctional Counselor, Department of Corrections, Delores J. Baylor Women's Correctional Institution (BWCI) in Delaware

Jennifer Dias, MS, 2015, PhD, 2017

- Assistant Professor, Tarleton State University

Jane Whittington (maiden name Bednarz), MS, 2015, PhD, 2018

- Assistant Professor of Psychology, Holy Family University, Philadelphia, PA, 2019-21

Alex Wooten, PhD, 2020

- Visiting Assistant Professor of Psychology, Hollins University, Roanoke, VA

Eric Pleasant, MS, 2018

- Instructor, Northlake Community College; PhD candidate, TAMUC

Robert Lockamyeir, MS, 2018

- Instructor and PhD candidate, TAMUC

Alyssa Jones, MS, 2018

- Instructor and PhD candidate, TAMUC

Honors and Awards

Presidential GAR Award, 2021-2022

Professor of the Year, Keck Family Education Awards Ceremony, February 2017

Professor of the Year, Jones Family Education Awards Ceremony, February 2015
 Several empirical publications cited in *National Academy of Sciences* report, October 2014
 Research project featured in *Pride*, fall 2013
 Expert Columnist in newsletter of Division 41 of APA, 2013
 TAMUC Junior Faculty Research Award, 2013
 Recognition in TAMUC Pride magazine as noteworthy for research, spring 2013
 1st place graduate student talk (Dawn Weatherford) at SWPA Conference, 2011
 1st place poster (with student Natalie Saladino) at Federation Graduate Student Symposium, 2011
 University of Oklahoma travel award for presentation at Psychonomics Conference, 2007
 Chuck Gettys Award for outstanding research in graduate school, U. of Oklahoma, 2007
 Best poster at conference of the Society for Applied Research in Memory and Cognition, 2007
 University of Oklahoma Presidential International Travel Fellowship, 2006
 Phi Kappa Phi National Honor Society, 2006
 Travel Award for presentation at American Psychology-Law Society conference, 2005
 Robberson Conference Presentation Travel Grant, University of Oklahoma, 2005
 Travel Award for presentation at American Psychology-Law Society conference, 2004
 University of Oklahoma Graduate Foundation Fellowship, 2002-2008
 Psi Chi National Honor Society for Psychology, 2001-2007
 Golden Key International Honor Society, 2001-2007
 Ford Motor Company Scholarship, University of Nebraska-Lincoln, 2001
 National Honor Society, 1997 – 2002

Refereed National/International Journal Articles

2006

Hahn, S., **Carlson, C.**, Singer, S., & Gronlund, S. D. (2006). Aging and visual search: Automatic and controlled attentional bias to threat faces. *Acta Psychologica, 123*, 312-336.
 doi:10.1016/j.actpsy.2006.01.008

2008

Carlson, C. A., Gronlund, S. D., & Clark, S. E. (2008). Lineup composition, suspect position, and the sequential lineup advantage. *Journal of Experimental Psychology: Applied, 14*, 118-128. doi:10.1037/1076-898X.14.2.118

- Featured in the APA Monitor, May 2008
- Featured on crimeandconsequences.com (sponsored by the Criminal Justice Legal Foundation), July 2008
- Cited by the *National Academy of Sciences*, October 2014

2009

Gronlund, S. D., **Carlson, C. A.**, Dailey, S. B., & Goodsell, C. A. (2009). Robustness of the sequential lineup advantage. *Journal of Experimental Psychology: Applied, 15*, 140-152.
 doi:10.1037/a0015082

- Cited by the *National Academy of Sciences*, October 2014

2010

Goodsell, C. A., Gronlund, S. D., & **Carlson, C. A.** (2010). Exploring the sequential lineup advantage using WITNESS. *Law & Human Behavior, 34*, 445-459. doi:10.1007/s10979-009-9215-7

2011

Carlson, C. A. (2011). Influence of a perpetrator's distinctive facial feature on eyewitness identification from simultaneous versus sequential lineups. *Applied Psychology in Criminal Justice, 7*, 77-92.

Carlson, C. A., & Gronlund, S. D. (2011). Searching for the sequential lineup advantage: A distinctiveness explanation. *Memory, 19*, 916-929. doi:10.1080/09658211.2011.613846

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. doi:10.1002/acp.2824

Gronlund, S. D., **Carlson, C. A.,** Neuschatz, J. S., Goodsell, C. A., Wetmore, S., Wooten, A., & Graham, M. (2012). Showups versus Lineups: A comparison using ROC analysis. *Journal of Applied Research in Memory and Cognition, 1*, 221-228. doi:10.1016/j.jarmac.2012.09.003

- Highlighted by PsychologyProgress.com as being a Key Research Article and of special interest to progress in the field of psychology, December 2012
- Cited by the *National Academy of Sciences*, October 2014

2014

Alonga et al. (2014). Registered replication report: Schooler & Engstler-Schooler (1990). *Perspectives on Psychological Science, 9*, 556-578. doi:10.1177/1745691614545653

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. <http://dx.doi.org/10.1016/j.paid.2013.12.011>

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. doi:10.1016/j.jarmac.2014.03.004

- Cited by the *National Academy of Sciences*, October 2014

2015

Wetmore, S. A., Neuschatz, J. S., Gronlund, S. D., Wooten, A., Goodsell, C. A., & **Carlson, C. A.** (2015). Effect of retention interval on showup and lineup performance. *Journal of Applied Research in Memory and Cognition*, *4*, 8-14.
<http://dx.doi.org/10.1016/j.jarmac.2014.07.003>

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. doi: 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.
doi: 10.1002/acp.3275

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.
doi: <http://dx.doi.org/10.1016/j.jarmac.2016.04.001>

Mickes, L., Seale-Carlisle, T., Wetmore, S. A., Gronlund, S. D., Clark, S., **Carlson, C. A.**, Goodsell, C. A., Weatherford, D., & Wixted, J. T. (2017). ROCs in eyewitness identification: Binary decisions vs. confidence ratings. *Applied Cognitive Psychology*, *31*, 467-477. doi: 10.1002/acp.3344

2019

Carlson, C. A., Jones, A. R., Goodsell, C. A., Carlson, M. A., Weatherford, D. R., Whittington, J. E., & Lockamy, R. L. (2019). A method for increasing empirical discriminability and eliminating top-row preference in photo arrays. *Applied Cognitive Psychology*, *33*, 1091-1102. doi: 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*.
doi: 10.1186/s41235-019-0172-5

2020

- Jones, A. R., **Carlson, C. A.**, Lockamyeir, 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. doi: 10.1002/acp.3714
- Lockamyeir, 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. doi: 10.1002/acp.3683
- Weatherford, D., Meltzer, M., **Carlson, C.**, & Bartlett, J. (2020). Never forget a face: Verbalization facilitates recollection as evidenced by flexible responding to contrasting recognition memory tests. *Memory & Cognition*.
<https://doi.org/10.3758/s13421-020-01085-7>
- Whittington, J. E., **Carlson, C. A.**, Carlson, M. A., Weatherford, D. R., Krueger, L. E., & Jones, A. R. (2020). Asking an eyewitness to predict their later lineup performance could harm the confidence-accuracy relationship. *Applied Cognitive Psychology*, *34*, 119-131. doi: 10.1002/acp.3599
- Wooten, A. R., **Carlson, C. A.**, Lockamyeir, 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. doi: 10.1002/acp.3644

Under Review/Revision

- Carlson, C. A.**, Hemby, J. A., Wooten, A. R., Jones, A. R., Lockamyeir, R. F., Carlson, M. A., Dias, J. L., & Whittington, J. E. (under second revision). Testing encoding specificity and the Diagnostic Feature-Detection theory of eyewitness identification, with implications for showups, lineups, and partially disguised perpetrators. *Cognitive Research: Principles and Implications*.
- Lockamyeir, R. F., **Carlson, C. A.**, Jones, A. R., Wooten, A. R., Carlson, M. A., & Hemby, J. A. (under review). One perpetrator, two perpetrators: The effect of multiple perpetrators on eyewitness identification. *Applied Cognitive Psychology*.

Book Chapters

- Gronlund, S. D., **Carlson, C. A.**, & Tower, D. (2007). Episodic memory. F. T. Durso (Ed.), *The Handbook of Applied Cognition*, vol. 2, pp. 111-136.
- Gronlund, S. D., & **Carlson, C. A.** (2014). System-based research on eyewitness identification. T. Perfect & S. Lindsay (Eds.), *The SAGE Handbook of Applied Memory*.

Book Reviews

- Carlson, C. A.** (2013). Understanding and anticipating attorney behavior: Practical advice for novice and professional testers, review of *Testifying in Court: Guidelines and Maxims for the Expert Witness* (APA, 2nd ed.), by S. L. Brodsky. *PsycCRITIQUES*, 58(4).
- Carlson, C. A.** (2013). From science to reform: A long and winding road, review of *Reform of Eyewitness Identification Procedures* (APA), by B. L. Cutler (Ed.). *PsycCRITIQUES*, 58(31).
- Carlson, C. A., & Bednarz, J. E.** (2016). The body deconstructed: An unflinching portrayal, review of *Embodied: The Psychology of Physical Sensation*, by C. Eccleston. *PsycCRITIQUES*, 61(35).
- 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 C. Eliasmith. *PsycCRITIQUES*, 58(49).
- Carlson, C. A., & Jones, A. R.** (2017). An abbreviated *Festschrift*: Expert analysis of David Marr's early works, review of *Computational Theories and their Implementation in the Brain: The Legacy of David Marr*, by L. M. Vaina & R. E. Passingham (Eds.). *PsycCRITIQUES*, 62(30).
- 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*, 59(45).
- Gronlund, S. D., Goodsell, C. A., **Carlson, C. A.**, & Dailey, S. B. (2008). Review of *Eyewitness Psychology: Volume II—Memory for People*, by Lindsay, R. C. L., Ross, D. F., Read, J. D., & Toglia, M. P., pp. 585-586. doi:10.1002/acp.1450

Abstracts or Conference Proceedings

- Weatherford, D., Bartlett, J., & **Carlson, C.** (2013). Perceptual attention to features versus traits may affect how faces are represented in memory. *Journal of Vision*, 13(9), 981.

Miscellaneous Non-Refereed Publications

- Carlson, C. A.** (2013). How ROC analysis is changing our understanding of eyewitness identification. [Invited Expert Opinion Column] *American Psychology-Law Society Newsletter*, Fall 2013.
- Carlson, C.** (2015). Forensic procedures for facial-composite construction using FACES 4.0, <http://tiny.cc/comp-procedural-annex>. Annex to Fodarella, C., Kuivaniemi-Smith, H. J.

and Frowd, C.D. (2015), "Forensic procedures for facial-composite construction", *Journal of Forensic Practice*.

Conference Presentations

International and National

2003

Gronlund, S. D., Carlson, C., & Singer, S. (2003, July). Model of the sequential lineup advantage. Society for Applied Research in Memory and Cognition, Aberdeen, Scotland.

Gronlund, S. D., Singer, S., & Carlson, C. (2003, March). Contributions of distinctiveness and recollection to lineup performance. Interdisciplinary Conference on Human Performance, Orange County, FL.

Gronlund, S. D., Singer, S., & Carlson, C. (2003, July). Contributions of distinctiveness and recollection to lineup performance. Psychology & Law International Interdisciplinary Conference, Edinburgh, Scotland.

2004

Carlson, C., & Gronlund, S. D. (2004, March). The role of item-based and event-based distinctive information in eyewitness identification. American Psychology-Law Society Conference, Scottsdale, AZ.

Carlson, C. A., Gronlund, S. D., Singer, S. R., & Tower, D. L. (2004, November). SUSPECTS: Distinctiveness, recollection, and the sequential lineup advantage. The 45th Annual Meeting of the Psychonomic Society, Minneapolis, MN.

Gronlund, S. D., Carlson, C., & Singer, S. (2004, March). SUSPECTS: A framework for understanding the sequential lineup advantage. American Psychology-Law Society Conference, Scottsdale, AZ.

2005

Carlson, C. A., Gronlund, S. D., Singer, S. R., & Tower, D. L. (2005, March). Tests of the SUSPECTS framework. American Psychology-Law Society Conference, La Jolla, CA.

Tower, D. L., Gronlund, S. D., Carlson, C. A., & Singer, S. (2005, March). Multiple culprits and eyewitness identification: A test of automaticity. American Psychology-Law Society Conference, La Jolla, CA.

2006

Carlson, C. A., & Gronlund, S. D. (2006, November). Effective size moderates the sequential lineup advantage. The 47th Annual Meeting of the Psychonomic Society, Houston, TX.

2007

*Carlson, C. A., Gronlund, S. D., & Clark, S. (2007, July). Lineup composition and the sequential lineup advantage. Conference for the Society for Applied Research in Memory and Cognition, Bates College, Lewiston, Maine.

*Awarded 1st place among posters

Carlson, C. A., & Gronlund, S. D. (2007, November). Computer-generated faces are not processed like real faces. The 48th Annual Meeting of the Psychonomic Society, Long Beach, CA.

Gronlund, S. D., Carlson, C. A., & Clark, S. (2007, March). Lineup composition and the sequential lineup advantage. Off the Witness Stand: Using Psychology in the Practice of Justice, John Jay College of Criminal Justice, New York City, New York.

Gronlund, S. D., Carlson, C. A., & Clark, S. (2007, April). Lineup composition and the sequential lineup advantage. Presented at the 5th Invitational Conference on Eyewitness Identification, El Paso, TX.

2008

Carlson, C. A., & Gronlund, S. D. (2008, March). Computer-generated faces are not processed like real faces. American Psychology-Law Society Conference, Jacksonville, FL.

Carlson, C. A., & Gronlund, S. D. (2008, March). Sequential lineup advantage: Lineup composition and suspect position. American Psychology-Law Society Conference, Jacksonville, FL.

Carlson, C. A., & Gronlund, S. D. (2008, March). Effects of distinctiveness on simultaneous and sequential lineup performance. American Psychology-Law Society Conference, Jacksonville, FL.

Gronlund, S. D., Carlson, C. A., Dailey, S. B., & Goodsell, C. (2008, March). Sequential lineup advantage. Presented at the Interdisciplinary Conference on Human Performance, Orlando, FL.

Gronlund, S. D., Carlson, C. A., Dailey, S. B., & Goodsell, C. A. (2008, November). Is the sequential lineup advantage robust? The 49th Annual Meeting of the Psychonomic Society, Chicago, IL.

2009

Dailey, S. B., Gronlund, S. D., Carlson, C. A., & Goodsell, C. A. (2009, March). A new measure of lineup fairness: 100 point estimate of effective size. American Psychology-Law Society Conference, San Antonio, TX.

Carlson, C. A., & Gronlund, S. D. (2009, November). Differences in the processing of FACES 4.0 compared to real faces. The 50th Annual Meeting of the Psychonomic Society, Boston, MA.

Goodsell, C. A., Gronlund, S. D., Dailey, S. B., & Carlson, C. A. (2009, March). Exploring the sequential lineup advantage using WITNESS. American Psychology-Law Society Conference, San Antonio, TX.

Gronlund, S. D., Carlson, C. A., Dailey, S. B., & Goodsell, C. A. (2009, March). Robustness of the sequential lineup advantage. American Psychology-Law Society Conference, San Antonio, TX.

Gronlund, S. D., Goodsell, C. A., & Carlson, C. A. (2009, November). Exploring the sequential lineup advantage using WITNESS. The 50th Annual Meeting of the Psychonomic Society, Boston, MA.

2010

Carlson, C. A., & Gronlund, S. D. (2010, November). A distinctiveness explanation of the sequential lineup advantage. The 51st Annual Meeting of the Psychonomic Society, St. Louis, MO.

Weatherford, D. R., & Carlson, C. A. (2010, November). Effects of featural versus holistic verbalization on memory for faces. The 51st Annual Meeting of the Psychonomic Society, St. Louis, MO.

2011

Carlson, C. A. (2011, November). Influence of a perpetrator's distinctive facial feature on eyewitness identification. The 52nd Annual Meeting of the Psychonomic Society, Seattle, WA.

Carlson, C. A., & Gronlund, S. D. (2011, March). Searching for the sequential lineup advantage: A distinctiveness explanation. American Psychology-Law Society Conference, Miami, FL.

Carlson, C. A., & Gronlund, S. D. (2011, March). Processing differences between feature-based facial composites and real faces. American Psychology-Law Society Conference, Miami, FL.

Gronlund, S. D., Carlson, C. A., & Goodsell, C. A. (2011, November). Vagaries of lineup performance: Sequential shift, "optimal" criterion placement, and ROC curves.

International Invitational Conference on Eyewitness Memory and Identification, El Paso, TX.

Gronlund, S. D., Clark, S. E., Carlson, C. A., & Goodsell, C. A. (2011, November). Deconstructing the simultaneous and sequential lineup meta-analysis. The 52nd Annual Meeting of the Psychonomic Society, Seattle, WA.

Weatherford, D. R., & Carlson, C. A. (2011, November). A dual process approach to the description-identification relationship using conjunction faces. The 52nd Annual Meeting of the Psychonomic Society, Seattle, WA.

2012

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.

Carlson, C. A., Goodsell, C. A., Wetmore, S., Gronlund, S. D., Neuschatz, J., Wooten, A., & Graham, M. (2012, November). Showups versus lineups: An evaluation using ROC analysis. The 53rd Annual Meeting of the Psychonomic Society, Minneapolis, MN.

Dailey, S. B., & Carlson, C. A. (2012, November). Social categorization and the cross-race effect: A dual-process exploration. The 53rd Annual Meeting of the Psychonomic Society, Minneapolis, MN.

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.

Carlson, C. A. (2013, March). Influence of bystander distinctiveness on unconscious transference and a sequential lineup advantage. American Psychology-Law Society Conference, Portland, OR.

Carlson, C. A. (2013, November). Bystander distinctiveness, unconscious transference, and a sequential lineup advantage. The 54th Annual Meeting of the Psychonomic Society, Toronto, Ontario, Canada.

- Gronlund, S. D., Carlson, C. A., Neuschatz, J. S., Goodsell, C. A., Wetmore, S., Wooten, A., & Graham, M. (2013, March). Showups versus lineups: An evaluation using ROC analysis. American Psychology-Law Society Conference, Portland, OR.
- Weatherford, D. R., Bartlett, J., & Carlson, C. A. (2013, May). Perceptual attention to features versus traits may affect how faces are represented in memory. Vision Sciences Society Annual Meeting, Naples, FL.
- Weatherford, D. R., Carlson, C. A., & Tucker, A. (2013, November). Featural description facilitates face memory differently than trait description. The 54th Annual Meeting of the Psychonomic Society, Toronto, Ontario, Canada.
- Wetmore, S., Neuschatz, J. S., Gronlund, S. D., Goodsell, C. A., Wooten, A., & Carlson, C. (2013, November). Are showups ever better than lineups? The 54th Annual Meeting of the Psychonomic Society, Toronto, Ontario, Canada.
- Wooten, A., Neuschatz, J. S., Carlson, C. A., Gronlund, S. D., Wetmore, S., & Goodsell, C. A. (2013, March). Showups vs. lineups: Can showups be reliable? American Psychology-Law Society Conference, Portland, OR.

2014

- 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, November). An evaluation of perpetrator distinctiveness, weapon presence, and lineup presentation using ROC analysis. The 55th Annual Meeting of the Psychonomic Society, Long Beach, CA.
- Weatherford, D. W., Krueger, L., & Carlson, C. A. (2014, March). Differential Effects of Verbal facilitation on real versus composite faces. American Psychology- Law Society Conference, New Orleans, LA.
- Wooten, A., & Carlson, C. A. (2014, November). Effects of bystander temporal proximity to the perpetrator on unconscious transference. The 55th Annual Meeting of the Psychonomic Society, Long Beach, CA.

2015

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

- Mickes, L., Seale-Carlisle, T. M., Wetmore, S. A., Goodsell, C. A., Carlson, C. A., Weatherford, D., Morgan, D. P., McAdoo, R. M., Clark, S., Gronlund, S. D., & Wixted, J. T. (2015, September). The relationship between the use of instructions to manipulate response bias and the confidence-based ROC in eyewitness identification. 19th Conference of the European Society for Cognitive Psychology (ESCOP), Paphos, Cyprus.
- Saladino, N., Carlson, C. A., & Carlson, M. A. (2015, March). Can training with weapons and weapon focus information create better eyewitnesses? American Psychology-Law Society Conference, San Diego, CA.
- Weatherford, D., Williams, C., Carlson, C., & Krueger, L. (2015, November). Dissociating sources of confidence and accuracy in facial recognition memory: An investigation of verbal description and encoding time. The 56th Annual Meeting of the Psychonomic Society, Chicago, IL.
- Wooten, A., Carlson, C. A., Carlson, M. A., & Weatherford, D. (2015, March). Effects of bystander temporal proximity to the perpetrator on unconscious transference. American Psychology-Law Society Conference, San Diego, CA.
- 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.

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, D., & Bednarz, J. (2016, November). Suspect position in a simultaneous lineup affects eyewitness identification. The 57th Annual Meeting of the Psychonomic Society, Boston, MA.
- Lockamy, R., Goodsell, C., & Carlson, C. (2016, March). Do individual differences in working memory capacity predict susceptibility to false suggestion? American Psychology-Law Society conference, Atlanta, GA.
- 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.

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.

Goodsell, C. A., Lockamyeir, R. F., Carlson, C. A., & Snyder, G. P. (2017, March). Feel the (filler) burn? Feedback on an initial lineup enhances subsequent lineup decisions. American Psychology-Law Society Conference, Seattle, WA.

Goodsell, C. A., Lockamyeir, R., Carlson, C. A., & Weatherford, D. R. (2017). Does corrective feedback on an initial lineup aid subsequent lineup decisions? The 58th Annual Meeting of the Psychonomic Society, Vancouver, BC.

Weatherford, D. R., Blake, S. A., Carlson, C. A., & Freasier, S. C. (2017, November). Both encoding specificity and optimality predict facial recognition under different lighting variations. The 58th Annual Meeting of the Psychonomic Society, Vancouver, BC.

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 59th 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 59th 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.

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.
- Lockamyeir, R. F., Goodsell, C. A., Carlson, C. A., & Weatherford, D. R. (2019, March). Effects of initial lineup feedback on subsequent lineup decisions. American Psychology-Law Society Conference, Portland, OR.
- Weatherford, D. R., Rodriguez, A. R., Carlson, C. A., & Aranda, D. R. (2019, March). Don't be afraid of the dark: The impact of lighting as a memory cue in facial recognition. American Psychology-Law Society Conference, Portland, OR.
- Wooten, A. R., Carlson, C. A., Lockamyeir, R. F., & Jones, A. R. (2019, November). What if a witness was acquainted with a suspect prior to a crime? An investigation of unconscious transference by manipulating prior familiarity. The 60th Annual Meeting of the Psychonomic Society, Montreal, Québec, Canada.

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, 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).
- 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).

Regional

2003

Carlson, C., Gronlund, S. D., & Singer, S. (2003, October). The role of distinctive information in eyewitness identification. ARMADILLO: The Southwest Cognition Conference at Texas A & M, College Station, TX.

Gronlund, S. D., Carlson, C., & Singer, S. (2003, October). Model of the sequential lineup advantage. ARMADILLO: The Southwest Cognition Conference at Texas A&M, College Station, TX.

Singer, S. R., Gronlund, S. D., & Carlson, C. A. (2003, May). Contribution of distinctive information in eyewitness identification. Show Me Mental State Conference on Cognition, Columbia, MO.

2004

Carlson, C., & Gronlund, S. D. (2004, October). Contributions of item-based and event-based distinctiveness to eyewitness identification. ARMADILLO: The Southwest Cognition Conference at UT-Arlington, Arlington, TX.

2005

Carlson, C. A., Gronlund, S. D., Singer, S. R., & Tower, D. L. (2005, April). Tests of the SUSPECTS framework. Oklahoma-Kansas Judgment and Decision Making Conference, Oklahoma City, OK.

Tower, D. L., Gronlund, S. D., Carlson, C. A., & Singer, S. (2005, April). The eyewitness and the lineup: Recognition versus recollection. Oklahoma-Kansas Judgment and Decision Making Conference, Oklahoma City, OK.

2006

Carlson, C. A., & Gronlund, S. D. (2006, October). Distinctive faces and eyewitness accuracy: Simultaneous versus sequential lineups. ARMADILLO: The Southwest Cognition Conference at Texas Tech University, Lubbock, TX.

Carlson, C. A., Gronlund, S. D., and Clark, S. (2006, October). Lineup composition and the sequential lineup advantage. ARMADILLO: The Southwest Cognition Conference at Texas Tech University, Lubbock, TX.

Carlson, C. A., Gronlund, S. D., Singer, S. R., & Tower, D. L. (2006, April). Eyewitness decision-making: Effects of lineup presentation and effective size on accuracy and response time. Oklahoma-Kansas Judgment and Decision Making Conference, Oklahoma City, OK.

2007

Carlson, C. A., & Gronlund, S. D. (2007, October). Computer-generated faces are not processed like real faces. ARMADILLO: The Southwest Cognition Conference at Trinity University, San Antonio, TX.

2008

Carlson, C. A., & Gronlund, S. D. (2008, October). Explaining the sequential lineup advantage: Lineup fairness, choosing rate, and distinctiveness. ARMADILLO: The Southwest Cognition Conference at University of Texas at El Paso.

Dailey, S. B., Gronlund, S. D., Carlson, C. A., & Goodsell, C. A. (2008, October). A new measure of lineup fairness: 100 point estimate of effective size. ARMADILLO: The Southwest Cognition Conference at University of Texas at El Paso.

Gronlund, S. D., Carlson, C. A., Dailey, S. B., & Goodsell, C. A. (2008, October). The legend of the sequential lineup advantage. ARMADILLO: The Southwest Cognition Conference at University of Texas at El Paso.

2009

Carlson, C. A., & Gronlund, S. D. (2009, April). Explaining the sequential lineup advantage: Lineup fairness, choosing rate, and distinctiveness. Annual Research Symposium at Texas A&M University – Commerce.

Carlson, C. A., & Gronlund, S. D. (2009, October). Perceptual and memorial processing of real faces versus FACES. ARMADILLO: The Southwest Cognition Conference at Rice University, Houston, TX.

2010

Carlson, C. A., & Gronlund, S. D. (2010, April). Differences in the processing of FACES (4.0) versus real faces. Annual Research Symposium at Texas A&M University – Commerce.

Carlson, C. A., & Gronlund, S. D. (2010, April). FACES (4.0) are processed differently than real faces. Southwestern Psychological Association annual conference, Dallas, TX.

Carlson, C. A., & Gronlund, S. D. (2010, October). Searching for the sequential lineup advantage: A distinctiveness explanation. ARMADILLO: The Southwest Cognition Conference at Texas A&M University at College Station.

Weatherford, D. R., & Carlson, C. A. (2010, May). The effects of featural versus holistic verbalization on memory for faces. College of Education & Human Services symposium at Texas A&M University – Commerce.

Weatherford, D. R., & Carlson, C. A. (2010, October). The effects of featural versus holistic verbalization on memory for faces. ARMADILLO: The Southwest Cognition Conference at Texas A&M University at College Station.

2011

Carlson, C. A., & Gronlund, S. D. (2011, April). Searching for the sequential lineup advantage: A distinctiveness explanation. Southwestern Psychological Association annual conference, San Antonio, TX.

Gronlund, S. D., Clark, S. E., Carlson, C. A., & Goodsell, C. A. (2011, September). Deconstructing the sequential lineup superiority effect. ARMADILLO: The Southwest Cognition Conference at Texas A&M University – Commerce.

*Saladino, N., & Carlson, C. A. (2011, November). Effect of a perpetrator's distinctive facial feature on the weapon focus effect. Ninth Annual Pathways Student Research Symposium, Texas A&M University, College Station, TX.

*Awarded 1st place among posters

Saladino, N., & Carlson, C. A. (2011, December). The effect of a perpetrator's distinctive facial feature on the weapon focus effect in eyewitness identification. Brownbag talk series, Texas A&M University – Commerce.

*Weatherford, D. R., & Carlson, C. A. (2011, April). The effects of featural versus holistic verbalization on memory for conjunction faces. Southwestern Psychological Association annual conference, San Antonio, TX.

*Awarded 1st place among graduate student talks

Weatherford, D. R., & Carlson, C. A. (2011, April). The effects of featural versus holistic verbalization on memory for faces. Graduate assistant research symposium at Texas A&M University – Commerce.

Weatherford, D. R., & Carlson, C. A. (2011, September). Contrasting two theories of the description-identification relationship using conjunction faces. ARMADILLO: The Southwest Cognition Conference at Texas A&M University – Commerce.

2012

- Carlson, C. A. (2012, April). Influence of a perpetrator's distinctive facial feature on eyewitness identification. Southwestern Psychological Association annual conference, Oklahoma City, OK.
- 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.
- Dailey, S. B., & Carlson, C. A. (2012, April). Dual-process and social categorization explorations of the cross-race effect. Southwestern Psychological Association annual conference, Oklahoma City, OK.
- Dailey, S. B., & Carlson, C. A. (2012, April). Dual-process and social categorization explorations of the cross-race effect. Graduate assistant research symposium at Texas A&M University – Commerce.
- Saladino, N., & Carlson, C. A. (2012, April). Effect of a perpetrator's distinctive facial feature on the weapon focus effect. Southwestern Psychological Association annual conference, Oklahoma City, OK.
- Saladino, N., & Carlson, C. A. (2012, April). Effect of a perpetrator's distinctive facial feature on the weapon focus effect. Graduate assistant research symposium at Texas A&M University – Commerce.
- *Saladino, N., & Carlson, C. A. (2012, April). Effect of a perpetrator's distinctive facial feature on the weapon focus effect. Third Annual Federation Graduate Student Symposium, Texas Women's University.
*Awarded 1st place
- Tucker, A., & Carlson, C. A. (2012, November). Individual gender effects on the mere exposure effect. Tenth Annual Pathways Student Research Symposium, Texas A&M University at Galveston, Galveston, TX.
- Weatherford, D. R., Carlson, C. A., & Bartlett, J. (2012, April). Contrasting two theories of the description-identification relationship using conjunction faces. Southwestern Psychological Association annual conference, Oklahoma City, OK.
- Weatherford, D. R., Carlson, C. A., & Bartlett, J. (2012, April). Contrasting two theories of the description-identification relationship using conjunction faces. Graduate assistant research symposium at Texas A&M University – Commerce.
- Weatherford, D. R., Krueger, L., & Carlson, C. A. (2012, October). The effects of verbalization on real and computer generated faces. ARMADILLO: The Southwest Cognition Conference at TAMU in Laredo, TX.

2013

- Anderson, S., Carlson, C. A., Carlson, M. A., & Gronlund, S. D. (2013, April). Individual differences predict eyewitness identification performance. Southwestern Psychological Association annual conference, Fort Worth, TX.
- Carlson, C. A. (2013, April). Influence of bystander distinctiveness on unconscious transference and the sequential lineup advantage. 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.
- Dailey, S. B., & Carlson, C. A. (2013, March). Social categorization and the cross-race effect: A dual-process exploration. Oklahoma Research Day, University of Central Oklahoma.
- Saladino, N., & Carlson, C. A. (2013, May). The weapon focus effect and eyewitness identification: Effects of training. Graduate assistant research symposium at Texas A&M University - Commerce.
- Weatherford, D. R., Bartlett, J., & Carlson, C. A. (2013, May). Perceptual attention to features versus traits may affect how faces are represented in memory. Graduate assistant research symposium at Texas A&M University - Commerce.
- Weatherford, D. R., Carlson, C. A., & Bartlett, J. (2013, April). Eyes of the beholder: Featural and trait description facilitate face memory differently. Southwestern Psychological Association annual conference, Fort Worth, TX.

2014

- 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.
- Carlson, C. A., & Carlson, M. A. (2014, April). An evaluation of perpetrator distinctiveness, weapon presence, and lineup presentation using ROC analysis. ARMADILLO: The Southwest Cognition Conference at University of Oklahoma, Norman, OK.
- Saladino, N., & Carlson, C. A. (2014, October). Training with weapons information can reduce false identifications after a crime involving a weapon. ARMADILLO: The Southwest Cognition Conference at University of Oklahoma, Norman, OK.
- Toftely, S. M., 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.

- Tucker, A. E., & Carlson, C. A. (2014, October). The effect of sequential lineup backloading on eyewitness identification. Graduate assistant research symposium at Texas A&M University – Commerce.
- Weatherford, D. R., Carlson, C. A., & Tucker, A. E. (2014, October). Different factors influence confidence and accuracy in face recognition: The impact of featural and trait description. ARMADILLO: The Southwest Cognition Conference at University of Oklahoma, Norman, OK.
- Wooten, A. R., & Carlson, C. A. (2014, April). The influence of bystander temporal proximity on unconscious transference. Graduate assistant research symposium at Texas A&M University – Commerce.
- Wooten, A. R., & Carlson, C. A. (2014, October). Effects of bystander temporal proximity to the perpetrator on unconscious transference. ARMADILLO: The Southwest Cognition Conference at University of Oklahoma, Norman, OK.

2015

- 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.

2016

- 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.
- Carlson, C., Jones, A., Goodsell, C., Carlson, M., Weatherford, D., & Bednarz, J. (2016, September). Suspect position in a simultaneous lineup affects eyewitness identification. ARMADILLO: The Southwest Cognition Conference at University of Texas – El Paso.
- Lockamy, R., Goodsell, C., & Carlson, C. (2016, April). Do individual differences in working memory capacity predict susceptibility to false suggestion? 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.

2017

Bednarz, J., Carlson, C., Carlson, M., Weatherford, D., 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.

Blake, S., Weatherford, D., Carlson, C., Frasier, S., Ottoson, J., & Ramos, R. (2017, April). The effects of lighting on facial recognition. Southwestern Psychological Association annual conference, San Antonio, TX.

Carlson, C., Jones, A., Goodsell, C., Carlson, M., Weatherford, D., Bednarz, J., & Lockamyeir, R. (2017, April). Eyewitness identification is affected by suspect position in a simultaneous lineup. Southwestern Psychological Association annual conference, San Antonio, TX.

Carlson, C., Carlson, M., Weatherford, D., Dias, J., Young, D., Bednarz, J., & Jones, A. (2017, April). The impact of concealment and crime duration on the weapon focus effect. Southwestern Psychological Association annual conference, San Antonio, TX.

Jones, A. R., Carlson, C. A., Lockamyeir, R., Whittington, J. E., & Carlson, M. A. (2017, October). All fair lineups are not created equally: The effect of lineup composition on eyewitness identification. ARMADILLO: The Southwest Cognition Conference at Texas A&M University, College Station, TX.

Lockamyeir, R., Goodsell, C., & Carlson, C. (2017, April). Feedback on an initial lineup enhances subsequent lineup decisions. Southwestern Psychological Association annual conference, San Antonio, TX.

2018

Aranda, D., Weatherford, D., Carlson, C., Estrada, J., & Rodriguez, A. (2018, September). Don't be afraid of the dark: The impact of lighting on facial recognition. ARMADILLO: The Southwest Cognition Conference, Rice University, Houston, TX.

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.
- Kay, D., Weatherford, D., Carlson, C., Blake, S., & Estrada, J. (2018, April). The effects of within-person variability on facial recognition under different lighting conditions. Southwestern Psychological Association annual conference, Houston, TX.
- Lockamyeir, R. F., Carlson, C. A., & Jones, A. R. (2018, April). The effect of viewing distance and weapon presence on eyewitness identification. Southwestern Psychological Association annual conference, Houston, TX.
- Lockamyeir, R. F., Carlson, C. A., & Jones, A. R. (2018, September). The effect of viewing distance and weapon presence on eyewitness identification. ARMADILLO: The Southwest Cognition Conference, Rice University, Houston, TX.
- Weatherford, D. R., Blake, S. A., & Carlson, C. A. (2018, April). The effects of within-person variability on facial recognition under different lighting conditions. 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.

2019

- 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.

Rodriguez, A., Weatherford, D., Carlson, C., Carlson, M., & Aranda, D. (2019, October). Shining a light on eyewitness accuracy: Comparing optimality and encoding specificity. 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.

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).

Jones, A. R., Carlson, C. A., Lockamyeir, R. F., & Hemby, J. A. (2020, October). Examining lineup composition effects on eyewitness identification by varying filler similarity. ARMADILLO: The Southwest Cognition Conference (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).

Symposium Organizer and Chair

Face processing and memory: Four talks by, respectively, M. Meltzer (UTD), D. Weatherford (TAMUC), C. Carlson (TAMUC), and S. Anderson (OU). Southwestern Psychological Association annual conference, Fort Worth, TX, April, 2013

Invited Symposium or Session Chair

Sequential and field lineups. Annual meeting of the American Psychology-Law Society, San Antonio, TX, March, 2009.

Eyewitness identification. 55th annual meeting of the Psychonomic Society, Long Beach, CA, November, 2014.

Cognitive II. Annual meeting of the Southwestern Psychological Association, Dallas, TX, April, 2016.

Lineups and showups. Annual meeting of the American Psychology-Law Society, Memphis, TN, March, 2018.

Invited Talks and Colloquia

Eyewitness identification: Effects of perpetrator distinctiveness and lineup manipulations.
Chemnitz University of Technology, Chemnitz, Germany, December 2006.

Psychological Science at Texas A&M University – Commerce. University of Dallas, Irving, TX,
February 2014.

Psychological Science at Texas A&M University – Commerce. North Lake College, Irving, TX,
October 2014.

Weapons, Lineups, and Eyewitnesses. Texas A&M University – San Antonio, September 2016.

Weapons, Lineups, and Eyewitnesses. Texas Wesleyan University, Fort Worth, TX, November
2016.

Eyewitness Identification: The Weapon Focus Effect and the Lineup. University of Arkansas,
September, 2018.

Consulting/Testimony

Third Circuit Court of Appeals Eyewitness Identification Task Force, 2017

David Carpenter Case, Law Firm of Sorrels, Udashen and Anton, 2017

Kosoul Chanthakoumman Case, Law Office of Eric J. Allen, 2018

Curtis O’Neal Case, Law Office of Eric J. Allen, 2020

Glynn Simmons Case, Norwood Law Office, 2020

Media Appearances

Discovery Channel documentary: *Latinos on Death Row* (2018)