

**Curriculum Vitae**  
**Colleen M. Ganley**

Associate Professor

Department of Psychology & Florida Center for Research in STEM

Florida State University

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**EDUCATION**

- PhD Applied Developmental and Educational Psychology, Boston College, 2011  
Dissertation Title: *Gender differences in math performance across development: Exploring the roles of anxiety, working memory, and stereotype threat*
- BA Psychology with Honors, *summa cum laude*, Wheaton College, 2006  
Elementary Education and Mathematics Minors, Massachusetts Initial Elementary Teaching Licensure  
Honors Thesis Title: *Student experience of the math MCAS test: Gender, achievement, and grade level*

**PROFESSIONAL EXPERIENCE**

Associate Professor, Department of Psychology, Florida State University, 2019-present  
Center Faculty, Florida Center for Research in STEM, Learning Systems Institute, Florida State University, 2013-present  
Assistant Professor, Department of Psychology, Florida State University, 2013-2019  
Institute of Education Sciences Postdoctoral Research Fellow in Mathematics Education, University of Illinois at Urbana-Champaign, 2011-2013

**HONORS AND AWARDS**

Graduate Faculty Mentor Award Nominee (award pending), Florida State University, 2020  
Graduate Teaching Award Nominee, Florida State University, 2019  
Loan Repayment Program, National Institutes of Health, 2018  
Early Career Research Contributions Award, Society for Research in Child Development, 2017  
Rising Star Award, Association for Psychological Science, 2016  
First Year Assistant Professor Award, Florida State University Council for Research and Creativity (\$20,000), 2014  
AERA Outstanding Reviewer, American Educational Research Journal, 2012  
Student Travel Award, Society for Research in Child Development, 2011  
Dissertation Fellowship, Boston College Lynch School of Education (\$20,000), 2010-2011

Finalist, Geis Memorial Award, APA Division 35: Society for the Psychology of Women, 2010  
Second Place Poster, Boston College Multidisciplinary PhD Research Day, 2010  
Dissertation Development Grant, Boston College Lynch School of Education, 2009  
Individual Research Grant, Boston College Graduate Student Association, 2009

## Research

### PEER-REVIEWED JOURNAL ARTICLES

(Students in italics)

26. Hart, S. A., Martinez, K., Kennedy, P. C., **Ganley, C. M.**, & Taylor, J. (2019). The National Project on Achievement in Twins. *Twin Research and Human Genetics*, 22, 761-764.
25. Barroso, C., **Ganley, C. M.**, Hart, S. A., Rogers, N., & Clendinning, J. P. (2019). The relative importance of math- and music-related cognitive and affective factors in predicting undergraduate Music Theory achievement. *Applied Cognitive Psychology*, 33, 771-783.
24. Hart, S. A., & **Ganley, C. M.** (2019). The nature of math anxiety in adults: Prevalence and correlates. *Journal of Numerical Cognition*, 5, 122-139.
23. Ferretti, N., **Ganley, C. M.**, & Kofler, M. J. (2019). Unique and interactive effects of parental beliefs and child inattention/hyperactivity symptoms. *British Journal of Developmental Psychology*, 37, 300-307.
22. **Ganley, C. M.**, Schoen, R. C., LaVenja, M., & Tazaz, A. M. (2019). The construct validation of the Mathematics Anxiety Scale for Teachers. *AERA Open*, 5, 1-16.
21. Geer, E. A., Quinn, J., & **Ganley, C. M.** (2019). Relations between spatial skills and math performance in elementary school children: A longitudinal investigation. *Developmental Psychology*, 55, 637-652.
20. **Ganley, C. M.**, George, C. E., Cimpian, J. R., & Makowski, M. B. (2018). Gender equity in college majors: Looking beyond the STEM/non-STEM dichotomy for answers regarding female participation. *American Educational Research Journal*, 55, 453-487.
19. Hart, S. A., Daucourt, M., & **Ganley, C. M.** (2017). Individual differences related to college students' course performance in Calculus II. *Journal of Learning Analytics*, 4(2), 129-153.
18. Purpura, D. P., Schmitt, S. A., & **Ganley, C. M.** (2017). Foundations of mathematics and literacy: The role of executive functioning components. *Journal of Experimental Child Psychology*, 153, 15-34.

17. **Ganley, C. M., & McGraw, A. L.** (2016). The development and validation of a revised version of the Math Anxiety Scale for Young Children. *Frontiers in Psychology, 7*, 1181.
  16. Hart, S. A., **Ganley, C. M., & Purpura, D. J.** (2016). Understanding the home math environment and its role in predicting parent report of children's math skills. *PLOS ONE, 11*(12): e0168227.
  15. **Ganley, C. M., & Lubienski, S. T.** (2016). Mathematics confidence, interest, and performance: Gender patterns and reciprocal relations. *Learning and Individual Differences, 47*, 182-193.
  14. **Ganley, C. M., Vasilyeva, M., & Dulaney, A.** (2014). Spatial ability mediates the gender difference in science performance of middle-school students. *Child Development, 85*, 1419–1432.
  13. **Ganley, C. M., & Vasilyeva, M.** (2014). The role of anxiety and working memory in gender differences in mathematics. *Journal of Educational Psychology, 106*(1), 105-120.
- Response to commentaries on Robinson et al. (2014):*
12. Robinson-Cimpian, J. P., Lubienski, S. T., **Ganley, C. M., & Copur-Gencturk, Y.** (2014). Are schools shortchanging boys or girls? The answer rests on methods and assumptions: Reply to Card (2014) and Penner (2014). *Developmental Psychology, 50*(6), 1840-1844.
  11. Robinson-Cimpian, J. P., Lubienski, S. T., **Ganley, C. M., & Copur-Gencturk, Y.** (2014). Teachers' gender-stereotypical ratings of mathematics proficiency may exacerbate early gender achievement gaps. *Developmental Psychology, 50*(4), 1262-1281.
  10. Purpura, D. J., & **Ganley, C. M.** (2014). Working memory and language: Skill specific or domain general relations to mathematics? *Journal of Experimental Child Psychology, 122*, 104-121.
  9. Lucariello, J., Tine, M., & **Ganley, C. M.** (2014). A formative assessment of students' algebraic variable misconceptions. *Journal of Mathematical Behavior, 33*, 30-41.
  8. **Ganley, C. M., Mingle, L. A., Ryan, A., Ryan, K., Vasilyeva, M., & Perry, M.** (2013). An examination of stereotype threat effects on girls' mathematics performance. *Developmental Psychology, 49*(10), 1886-1897.
  7. Lubienski, S. T., Robinson, J. P., Crane, C. C., & **Ganley, C. M.** (2013). Girls' and boys' mathematics achievement, affect and experiences: Findings from ECLS-K. *Journal for Research in Mathematics Education, 44*(4), 634-645.
  6. Laski, E. V., Reeves, T., **Ganley, C. M., & Mitchell, R.** (2013). Mathematics teacher educators' perceptions and use of cognitive psychology research. *Mind, Brain and Education, 7*(1), 63-74.

5. Vasilyeva, M., **Ganley, C. M.**, Casey, B. M., Dulaney, A., Tillinger, M., & Anderson, K. (2013). How children determine the size of 3D structures: Investigating factors influencing strategy choice. *Cognition and Instruction, 31*(1), 29-61.
4. Dearing, E., Casey, B. M., **Ganley, C. M.**, Tillinger, M., Laski, E., & Montecillo, C. (2012). Young girls' math and spatial skills: The distal and proximal roles of family socioeconomics and home learning experiences. *Early Childhood Research Quarterly, 27*, 458-470.
3. **Ganley, C. M.**, & Vasilyeva, M. (2011). Sex differences in the relation between math performance, spatial skills, and attitudes. *Journal of Applied Developmental Psychology, 32*(4), 235-242.
2. Casey, B. M., Dearing, E., Vasilyeva, M., **Ganley, C. M.**, & Tine, M. (2011). Spatial and numerical predictors of measurement performance: The moderating effects of community income and gender. *Journal of Educational Psychology, 103*(2), 296-311.
1. Vasilyeva, M., Casey, B. M., Dearing, E., & **Ganley, C. M.** (2009). Measurement skills in low-income elementary school students: Exploring the nature of gender differences. *Cognition and Instruction, 27*, 401-428.

### **BOOK CHAPTERS**

1. Lubienski, S. T., & **Ganley, C. M.** (2017). Research on gender and mathematics. In Jinfa Cai (Ed.), *First Compendium for Research in Mathematics Education*. Reston, VA: National Council of Teachers of Mathematics.

### **NON-PEER REVIEWED JOURNAL ARTICLES**

1. **Ganley, C. M.**, & Hart, S. A. (2017). Shape of educational data: Interdisciplinary perspectives. *Journal of Learning Analytics, 4*(2), 6-11.

### **PEER-REVIEWED CONFERENCE PROCEEDINGS**

1. Rogers, N., Clendinning, J. P., Hart, S. A., & **Ganley, C. M.** (2016). Specific mathematical and spatial abilities correlate with music theory abilities. In *International Conference on Music Perception and Cognition*. International Conference on Music Perception and Cognition.

**FUNDED RESEARCH GRANTS**

**Examining Teacher Math Anxiety as a Malleable Factor Related to Student Outcomes, 2017-2020**

Institute of Education Sciences  
Role: Principal Investigator  
Co-PIs: Rob Schoen, Chris Schatschneider  
\$1,400,000

**Project IV: Reading and Math Co-Development in a Diverse Sample of Twins, 2017-2022**

National Institutes of Health  
Role: Co-Investigator  
PI: Sara Hart, Co-I: Jeanette Taylor  
\$1,188,572

**Military Suicide Research Consortium: Extension to New Opportunities and Challenges, 2016-2021**

US Army Medical Research Acquisition Activity  
Role: Co-Investigator  
PI: Thomas Joiner, Co-Is: Ashby Plant, Pamela Keel, Christopher Patrick  
\$14,189,843

**Psychology and Music Theory: A Multidisciplinary Approach to Understanding the Math-Music Link, 2016-2018**

Florida State University Council for Research and Creativity  
Role: Co-Principal Investigator  
Co-PIs: Sara Hart, Jane Clendinning, Nancy Rogers  
\$25,000

**Shape of Educational Data, 2015-2017**

National Science Foundation  
Role: Principal Investigator  
Co-PI: Sara Hart  
\$189,444

**BCC: Organizing Multi-Disciplinary Communities to Conduct Data-Intensive Research on Education and Learning, 2015-2016**

National Science Foundation (subcontract to George Mason University)  
Role: Co-Principal Investigator  
PI: Sara Hart  
\$44,660

**FCR-STEMLearn: Building Foundations for Success in the Mathematical Sciences, 2014-2017**

Florida Department of Education under the U.S. Department of Education Math-Science Partnership program

Role: Co-Investigator

PI: Rob Schoen, Co-PI: Amanda Tazaz, Co-I: Monica Hurdal

\$4,500,000

**INVITED TALKS AND CONFERENCE PARTICIPATION**

**Ganley, C. M. & Hart, S. A.** (2016, November). *Who hates the Common Core? Examining predictors of attitudes about the Common Core State Standards*. Presented at the Florida State University School of Teacher Education Colloquium Series.

Hart, S. A. & **Ganley, C. M.** (2016, April). *Individual differences related to college students' course performance in Calculus II*. Presented at the Shape of Educational Data Meeting. Fairfax, VA.

**Ganley, C. M.** (2016, February). *Examining the math anxiety of young children and K-12 teachers*. Presented at the Florida Center for Reading Research Brown Bag.

**Ganley, C. M.** (2015, December). *Math anxiety: What is it, how does it develop, and what can we do about it?* Presented at the Florida Center for Research in Science, Technology, Engineering, and Mathematics Conference.

**Ganley, C. M.** (2015, October). *The development of spatial thinking and the relations between spatial skills and math in elementary school*. Presented at the Development of Spatial Thinking Preconference at Cognitive Development Society, Columbus, OH.

**Ganley, C. M.** (2014, November). *Examining the structure of a math anxiety measure for children and its relation to math performance*. Presented at the IES Postdoctoral Research Symposium at the University of Illinois at Urbana-Champaign.

**Ganley, C. M.** (2014, May). *Everything but the math: Social and attitudinal factors related to student learning in math*. Presented at the Florida Center for Research in Science, Technology, Engineering, and Mathematics Conference.

**Ganley, C. M.** (2013, February). *The gender gap in math: Examining cognitive, affective and social correlates*. Presented at the University of Illinois at Urbana-Champaign Developmental Psychology Brown Bag.

**Ganley, C. M.** (2013, January). *Cognitive, affective and social factors underlying gender differences in mathematics performance*. Presented at the University of Chicago Cognitive Psychology Brown Bag.

**Ganley, C. M., & Mingle, L. A.** (2012, September). *An examination of stereotype threat effects on girls' mathematics performance*. Presented for the Social Development Consortium of the University of Illinois at Urbana-Champaign.

**Ganley, C. M.** (2012, April). *Spatial ability mediates gender differences in science performance of middle-school students*. Poster presented in the Early Career Scholars Poster Session at the annual meeting of the American Educational Research Association, Vancouver, BC.

### **PEER-REVIEWED CONFERENCE PARTICIPATION**

*(Students in italics)*

*McGraw, A. L., Kaschak, M. P., & Ganley, C. M.* (2019, November). *An investigation of mathematics language and its relation with mathematics and reading*. Poster presented at the annual meeting of the Psychonomic Society, Montreal, QC, CA.

*Barroso, C., Ganley, C. M., McGraw, A.L., Geer, E.A., Hart, S.A., & Daucourt, M.* (2019, March). A meta-analysis investigating the relation between math anxiety and math achievement. Poster presented at the biennial meeting of the Society for Research in Child Development, Baltimore, MD.

**Ganley, C. M., Barroso, C., Geer, E. A., Conlon, R., McGraw, A. L., Schoen, R. C., & Schatschneider, C.** (2019, March). *Mathematics anxiety in kindergarten students: Relations with mathematics performance*. Presentation presented at the biennial meeting of the Society for Research in Child Development, Baltimore, MD.

*Geer, E. A., Ganley, C. M., Barroso, C., Schoen, R. C., & Schatschneider, C.* (2019, March). *The relation between mathematics and spatial reasoning: Examining anxiety and performance in children*. Poster presented at the biennial meeting of the Society for Research in Child Development, Baltimore, MD.

*McGraw, A. L., Ganley, C. M., Hart, S. A., & Kaschak, M. P.* (2019, March). *Etiology of mathematical performance: A Meta-analysis of twin studies*. Poster presented at the biennial meeting of the Society for Research in Child Development, Baltimore, MD.

*McGraw, A. L., Ganley, C. M., Powell, S. R., Purpura, D. J., Schoen, R. C., & Schatschneider, C.* (2019, March). *An investigation of mathematics language and its relation with mathematics and reading*. Poster presented at the biennial meeting of the Society for Research in Child Development, Baltimore, MD.

*Lubienski, S. T., Ganley, C. M., Makowski, M., Miller, E., & Timmer, J.,* (2018, May). “Bold problem solving:” A new construct for improving mathematics achievement and equity. Paper presented at the Joint Seminar on Educational Research at the University of Warsaw, Warsaw, Poland.

- Ganley, C. M.,** Schoen, R., LaVenía, M., & Tazaz, A. (2018, April). *The development and validation of the Math Anxiety Scale for Teachers*. Paper presented at the annual meeting of the American Educational Research Association, New York, NY.
- Barroso, C., Ganley, C. M., & Cunnien, B.* (2018, April). *The role of gender, spatial ability, and math-related factors in children's STEM career aspirations*. Paper presented at the annual meeting of the American Educational Research Association, New York, NY.
- Timmer, J., **Ganley, C. M.,** & Lubienski, S. T. (2018, April). *Can bold problem solving and spatial skills explain the gender gap in problem-solving performance?* Paper presented at the annual meeting of the American Educational Research Association, New York, NY.
- Ganley, C. M.,** McGraw, A. L., Barroso, C. & Geer, E. A. (2018, April). *Examining potential bidirectional relations between math anxiety and performance in elementary school*. Paper presented at the conference of the Mathematical Cognition and Learning Society, Oxford, UK.
- Hart, S. A., & **Ganley, C. M.** (2018, April). *Math anxiety in U.S. adults: Prevalence and correlates*. Paper presented at the conference of the Mathematical Cognition and Learning Society, Oxford, UK.
- Geer, E. A., Quinn, J., & Ganley, C. M.* (2018, April). *A longitudinal investigation of the relations between spatial skills and math performance in elementary school children*. Poster presented at the meeting of the Mathematical Cognition and Learning Society, Oxford, UK.
- Rogers, N., Clendinning, J. P., Hart, S. A., & **Ganley, C. M.** (2017, November). *Specific mathematical and spatial abilities correlate with music theory abilities*. Paper presented at the annual conference of the Society for Music Theory, Arlington, VA.
- Clendinning, J., Hart, S. A., Rogers, N., & **Ganley, C. M.** (2017, August). *Links between music theory and mathematics: Visual processing and strategies*. Poster presented at the Conference on Music and Eye Tracking, Max Plank Institute for Empirical Aesthetics, Frankfurt, Germany.
- Barroso, C., Ganley, C. M., Hart, S.A., Rogers, N., & Clendinning, J.* (2017, May). *Predictors of music theory performance: Identifying important cognitive and affective factors*. Poster presented at the annual meeting of the Association for Psychological Science, Boston, MA.
- Barroso, C., & Ganley C. M.* (2017, May). *Examining the factor structure of math and science mindset scales with engineering students*. Poster presented at the annual meeting of the Association for Psychological Science, Boston, MA.



- Barroso, C., Cunnien, B., & Ganley, C. M.* (2017, April). *Examining elementary school children's career aspirations: Gender distributions and stability in STEM versus non-STEM careers*. Poster presented at the biennial meeting of the Society for Research in Child Development, Austin, TX.
- Ganley, C. M., McGraw, A. L., Vasilyeva, M., & Shen, C.** (2017, April). *Effects of a measurement teaching intervention on visual and nonvisual measurement items*. Poster presented at the biennial meeting of the Society for Research in Child Development, Austin, TX.
- Ganley, C. M., McGraw, A. L., Barroso, C., & Geer, E.** (2017, April). *Testing for bidirectional relations between math anxiety and math performance in elementary school*. Poster presented at the biennial meeting of the Society for Research in Child Development, Austin, TX.
- Geer, E. & Ganley, C. M.* (2017, April). *The development of spatial thinking and relations between spatial skills and math*. Poster presented at the biennial meeting of the Society for Research in Child Development, Austin, TX.
- Rogers, N., Clendinning, J. P., Hart, S. A., & **Ganley, C. M.** (2017, March). *Specific correlations between abilities in mathematics and music theory*. Paper presented at the Music Theory Southeast Conference, Ft. Myers, FL.
- Ferretti, N., Day, T., Spiegel, J., Wells, E., Phillippy, C., Kofler, M., & Ganley, C. M.* (2016, November). *Are relations between ADHD symptoms, ASD symptoms, and academic difficulties mediated by social problems?* Poster presented at the annual convention of the Association for Behavioral and Cognitive Therapies, New York, NY.
- Rogers, N., Clendinning, J. P., Hart, S. A., & **Ganley, C. M.** (2016, July). *Specific mathematical and spatial abilities correlate with music theory abilities*. Poster presentation at the meeting of International Conference on Music Perception and Cognition.
- Ganley, C. M., & Kolb, K.** (2016, May). *Math anxiety and working memory: Relations with math performance among college students*. Presentation presented at the annual meeting of the Association for Psychological Science, Chicago, IL.
- Hart, S. A., **Ganley, C. M., & Purpura, D. J.** (2016, May). *Understanding the home numeracy environment and its association to children's math skills*. Paper presented at the annual meeting of the Association for Psychological Science, Chicago, IL.
- Purpura, D. J., Schmitt, S., & **Ganley, C. M.** (2016, May). *Foundations of mathematics: The role of executive functioning components*. Paper presented at the annual meeting of the Association for Psychological Science, Chicago, IL.

- Ganley, C. M.,** Hart, S. A., Rogers, N., & Clendinning, J. (2016, May). *The development of the Music Theory Anxiety Scale*. Poster presented at the annual meeting of the Association of Psychological Sciences, Chicago, IL.
- Barroso, C., Hart, S. A., **Ganley, C. M.,** Clendinning, J., & Rogers, N. (2016, May). *Cognitive and affective predictors of music theory performance*. Poster presented at the annual meeting of the Association of Psychological Sciences, Chicago, IL.
- Ganley, C. M.,** Schoen, R. C., LaVenja, M., Tazaz, A., & Razzouk, R. (2016, April). *Exploring relations between teacher math anxiety and other teacher characteristics*. Roundtable presented at the annual meeting of the American Educational Research Association, Washington, DC.
- Ferretti, N., Soto, E., Voigt, N., Kofler, M., & **Ganley, C. M.** (2015, November). *The relation between parental involvement, children's symptoms of inattention and hyperactivity, and academic achievement*. Poster session presented at the ADHD SIG Poster Session at the Association for Behavioral and Cognitive Therapies Annual Convention, Chicago, IL. (won Student Poster Award)
- Ganley, C. M.,** & Kowalsky, A. L. (2015, May). *Cognitive and affective predictors of elementary school students' math test performance*. Paper presented at the Association for Psychological Science annual convention, New York, NY.
- Hart, S. A. **Ganley, C. M.,** & Seppala, M. (2015, May). *Individual differences related to college students' course performance in Calculus II*. Paper presented at the Association for Psychological Science annual convention, New York, NY.
- Ganley, C. M.,** & Kowalsky, A. L. (2015, March). *The reliability and validity of the math anxiety scale for young children*. Poster presented at the biennial meeting of the Society for Research in Child Development, Philadelphia, PA.
- Ganley, C. M.,** Kowalsky, A. L., Vasilyeva, M. & Shen, C. (2015, March). *Student understanding of the inverse rule: effects of visual representations and item order*. Poster presented at the biennial meeting of the Society for Research in Child Development, Philadelphia, PA.
- Robinson, J. P., **Ganley, C. M.,** George-Jackson, C. E., & Makowski, M. (2014, April). *Gender equity in college majors: Looking beyond the STEM/non-STEM dichotomy for answers regarding female participation*. Paper presented at the annual meeting of the American Educational Research Association, Philadelphia, PA.
- Ganley, C. M.** (2013, November). *Does stereotype threat impact girls' mathematics performance?: A review and new evidence*. Paper presented at the Society for the Study of Human Development Biennial Meeting, Ft. Lauderdale, FL.

- Purpura, D. J., & **Ganley, C. M.** (2013, September). *Integrating non-mathematical domains into mathematical development: Key factors to consider in constructing effective interventions*. Poster presented at the Society for Research on Educational Effectiveness Conference, Washington, DC.
- Ganley, C. M.**, Lubienski, S. T., & Crawford, C. C. (2013, April). *Gender differences in and reciprocal relations between mathematical confidence, interest, and achievement across development*. Poster presented at the biennial meeting of the Society for Research in Child Development, Seattle, WA.
- Ganley, C. M.** & Vasilyeva, M. (2013, April). *Cognitive predictors of gender differences in test scores, grades, and STEM career plans*. Poster presented at the biennial meeting of the Society for Research in Child Development, Seattle, WA.
- Robinson, J. P., Lubienski, S. T., **Ganley, C. M.**, & Copur-Gecturk, Y. (2013, April). *Teachers' perceptions of students' mathematics proficiency may exacerbate early gender gaps in achievement*. Paper presented at the biennial meeting of the Society for Research in Child Development, Seattle, WA.
- Purpura, D. J., **Ganley, C. M.**, & Lubienski, S. T. (2012, May). *Kindergarten predictors of later mathematics, reading, and science skills*. Poster presented at the Association for Psychological Science annual convention, Chicago, IL.
- Ganley, C. M.**, Mingle, L. A., Ryan, A., Ryan, K., Perry, M., & Vasilyeva, M. (2012, May). *Evidence that stereotype threat does not impact math performance during early adolescence*. Poster presented at the Association for Psychological Science annual convention, Chicago, IL.
- Lubienski, S. T., **Ganley, C. M.**, & Crane, C. C. (2012, April). *Unwarranted uncertainty: Gender patterns in early mathematical confidence, interest, and achievement*. Paper presented at the annual meeting of the American Educational Research Association, Vancouver, BC, CA.
- Ganley, C. M.**, & Vasilyeva, M. (2011, April). *The development of girls' stereotype awareness and susceptibility to stereotype threat effects on math performance*. Poster presented at the biennial meeting of the Society for Research in Child Development, Montreal, QC, CA.
- Reeves, T. D., **Ganley, C. M.**, Mitchell, R., & Laski, E. V. (2011, April). *Does pre-service teacher education incorporate research-based knowledge from developmental and cognitive psychology?* Poster presented at the biennial meeting of the Society for Research in Child Development, Montreal, QC, CA.
- Ganley, C. M.**, & Vasilyeva, M. (2011, March). *Relation between gender, anxiety and math performance: A developmental perspective*. Student poster symposium presented at the biennial meeting of the Society for Research in Child Development, Montreal, QC, CA.

- Dulaney, A., **Ganley, C. M.**, Tillinger, M., Vasilyeva, M., & Casey, B. M. (2011, March). *Factors influencing fifth graders' volume estimation strategies*. Poster presented at the biennial meeting of the Society for Research in Child Development, Montreal, QC, CA.
- Ganley, C. M.** (2010, April). *Error patterns on a number sense test: Comparing fourth grade boys and girls from high and low socioeconomic groups*. Poster presented at the Boston College Lynch School of Education GEA Research Forum, Boston, MA.
- Dulaney, A., **Ganley, C. M.**, Tillinger, M., Vasilyeva, M., & Casey, B. M. (2010, March). *Exploring fifth-grade students' difficulties in estimating volume of 3D objects*. Poster presented at the Boston College Multidisciplinary PhD Research Development Day, Chestnut Hill, MA
- Ganley, C. M.** (2009, April). *Differences in predictors of math and science performance for eighth grade boys and girls*. Poster presented at the biennial meeting of the Society for Research in Child Development, Denver, CO.
- Ganley, C. M.**, Casey, B. M., Vasilyeva, M., Dearing, E., & Tine, M. (2009, April). *Spatial and numerical predictors of measurement performance*. Poster presented at the biennial meeting of the Society for Research in Child Development, Denver, CO.
- Ganley, C. M.**, & Price, D. W. W. (2007, March). *Gender differences in high-stakes test performance and mathematics attitudes within socio-demographic groups*. Poster presented at the biennial meeting of the Society for Research in Child Development, Boston, MA.

### **NON-PEER REVIEWED CONFERENCE PARTICIPATION**

- Ganley, C. M.**, & Vasilyeva, M. (2011, October). *The joint role of anxiety and working memory in gender differences in math performance*. Poster session presented at the Seventh biennial meeting of the Cognitive Development Society, Philadelphia, PA.

### **RESEARCH TRAINING**

Summer Institute in Statistics: Advanced Structural Equation Modeling, 2013  
University of Kansas, Lawrence, KS

DATIC Structural Equation Modeling Workshop, 2012  
University of Connecticut, Storrs, CT

What Works Clearinghouse Training (received WWC reviewer certification), 2011  
Institute of Education Sciences, Charlottesville, VA,

High School Longitudinal Study of 2009 (HSL:2009) Database Training Seminar, 2011  
National Center for Education Statistics (NCES), Washington, DC

## Teaching

### TEACHING EXPERIENCE

#### **Graduate Courses**

Research Design & Analysis II (Regression), Florida State University, Spring 2015, Spring 2016,  
Spring 2017, Spring 2018, Spring 2019, Spring 2020  
The Development of Mathematical Thinking, Florida State University, Fall 2017

#### **Undergraduate Courses**

Research Methods in Psychology, Florida State University, Spring 2014, Fall 2014, Fall 2015,  
Fall 2016, Fall 2018, Fall 2019  
Family, School, and Society, Boston College, Spring 2010  
Child Growth and Development, Boston College, Fall 2009

## Service

### SERVICE TO PROFESSION

Editorial Board, *Contemporary Educational Psychology*, 2018-present  
Editorial Board, *Journal of Educational Psychology*, 2016-present  
Guest Editor, Shape of Educational Data [Special Section], *Journal of Learning Analytics*, 2016-  
2017  
Conference Proposal Reviewer, *AERA 2013, 2014, 2018 Annual Meetings*, 2012-2017  
Institute Faculty, AERA Statistics Institute: Math Education and Equity, May 2016  
Grant Reviewer, *Department of Developmental and Social Psychology of the University of  
Padova*, 2016  
Grant Reviewer, *U.S.-Israel Binational Science Foundation*, 2016  
Grant Review Panelist, *National Science Foundation*, 2012, 2015  
Grant Reviewer, *Hymen Milgrom Supporting Organization*, 2015  
Conference Proposal Reviewer, *SRCD 2013 Biennial Meeting*, 2012  
Instructional Assistant, AERA Statistics Institute: Math Education and Equity, May 2012 & 2013

## **AD HOC REVIEWER**

*Acta Psychologica, AERA Open, Aging and Mental Health, American Educational Research Journal, Archives of Scientific Psychology, British Journal of Educational Psychology, Child Development, Child Neuropsychology, Cognition and Instruction, Developmental Psychology, Early Childhood Research Quarterly, Education Evaluation and Policy Analysis, Educational Psychology, Educational Researcher, Educational Studies, Educational Studies in Mathematics, Elementary School Journal, European Journal of Psychological Assessment, European Journal of Psychology of Education, Frontiers in Psychology, International Journal of Behavioral Development, International Journal of Psychology, Journal of Experimental Psychology: General, Journal for Research in Mathematics Education, Learning and Individual Differences, Learning and Instruction, PLOS ONE, Psychological Reports, Psychological Science, Remedial and Special Education, Scandinavian Journal of Educational Research, Social Psychology of Education, Sociology of Education, Teaching and Teacher Education, Thinking and Reasoning*

## **PROFESSIONAL MEMBERSHIPS**

American Educational Research Association  
Association for Psychological Science  
Cognitive Development Society  
Mathematical Cognition and Learning Society  
Society for Research in Child Development

## **UNIVERSITY SERVICE**

Member, University Undergraduate Policy Committee, Florida State University, 2018-present  
Member, Graduate Studies Committee, Psychology, Florida State University, 2017-present  
Participant Pool and Mass Screening Coordinator, Psychology, Florida State University, 2016-present  
Member, Warmath Service Award Committee, Psychology, Florida State University, 2016-2018  
Member, Colloquium Committee, Psychology, Florida State University, 2013-2018  
Member, Undergraduate Studies Committee, Psychology, Florida State University, 2014-2016  
Member, IT Committee, Psychology, Florida State University, 2013-2016  
Member, FCR-STEM Conference Planning Committee, Learning Systems Institute, Florida State University, 2015  
Search Committee Member, Learning Systems Institute, Florida State University, 2014-2015  
Keynote Speaker, Ladies' Legacy Banquet, Florida State University, 2014  
Guest Speaker, Florida State University Math Society, October 2013  
Statistics Workshop Instructor, Statistics Tutor, Webmaster, University of Illinois Education Justice Project, 2012-2013  
I-Promise Mentor, University of Illinois, 2011-2013  
Program Facilitator for the *What's Next?* Program for First Generation College Students, Boston College, 2008-2010

**COMMUNITY SERVICE**

Math Tutor, PACE Center for Girls Leon, March 2017-present

Ask a Scientist Community Outreach, March 2015, October 2015, February 2016, April 2016,  
October 2016, May 2017, November 2017, September 2018, May 2019

Math Tutor, MathPals, United Way of the Big Bend, January 2017-May 2018

Southwood Neighborhood Scholarship Committee, April 2016, 2017, 2018

Capital Regional Science and Engineering Fair Judge, February 2015, 2017, 2018

Speaker at Parent Night, Apalachee Magnet School for the Arts, February 2015, October 2015