Elizabeth A. Gunderson, Ph.D.

Indiana University Psychological and Brain Sciences 1101 E. 10th St., Bloomington, IN 47405 Email: eagunder@iu.edu Twitter: @GundersonLab https://cognitionandlearning.lab.indiana.edu/

EDUCATION	
Doctor of Philosophy , Developmental Psychology, University of Chicago Dissertation: Individual differences in early number knowledge: Variation in learner and the learning environment	2012 the
Bachelor of Arts, Computer Science & Psychology, Yale University Honors: <i>Magna Cum Laude,</i> Phi Beta Kappa	2005
FACULTY POSITIONS	
Professor, Department of Psychological and Brain Sciences Indiana University, Bloomington, IN	2023-present
Associate Professor, Department of Psychology & Neuroscience Temple University, Philadelphia, PA	2019-2023
Assistant Professor, Department of Psychology & Neuroscience Temple University, Philadelphia, PA	2013-2019
RESEARCH POSITIONS	
Postdoctoral Scholar , Department of Psychology, University of Chicago Chicago, IL, Laboratory of Dr. Susan Levine	2012
Graduate Student , Department of Psychology, University of Chicago Chicago, IL, Laboratory of Dr. Susan Levine	2007-2012
ONGOING GRANTS	
NSF ECR, DRL-2410889, Role: Lead PI PI of U of Dayton site: Fuhs Improving Flexible Attention to Numerical and Spatial Magnitudes in Young Total Costs (Indiana University site): \$1,787,145	2023-2028 Children
NSF ECR, DRL-2347386, Role: Co-PI (PI: Tian) Pathways to Conceptual Knowledge of Decimals Total Costs: \$815,385	2023-2025
NSF ECR, DRL-2201964 (Temple), DRL-2405548 (IU), Role: PI of IU site PIs: Barner (Lead PI), Cordes, Feigenson, Hyde, Kibbe, Libertus, Sullivan, <i>Collaborative Research: A Multi-Lab Investigation of the Conceptual Found</i> <i>Early Number Development</i> Total Costs (Indiana University site): \$552,712	
James S. McDonnell Foundation Scholar Award #220020546, Role: Pl	2018-2024

Developing Mathematical Skills and Motivation Total Costs: \$600,000

NSF ECR, DRL-1760144, Role: PI

2018-2024

Co-PIs: Hindman, Newcombe, Newton, Weinraub Developing STEM Achievement and Motivation: The Role of Spatial Skills and Parent-Child Interactions Total Costs: \$2,434,948

COMPLETED GRANTS

NSF CAREER Award, DRL-1452000, Role: Sole PI 2015-2021 CAREER: Spatial Foundations of Symbolic Numeracy Skills in Young Children Total Costs: \$1,227,559

AWARDS, HONORS, & FELLOWSHIPS

Excellence in Undergraduate Mentoring, Temple University Psychology Honors Prog	ram 2023
Excellence in Undergraduate Mentoring, Temple University Psychology Honors Prog	ram 2022
Learning Sciences Exchange (LSX) Fellowship (New America/Jacobs Foundation)	2020-2022
Boyd McCandless Award, APA Division 7 (Developmental Psychology)	2020
International Mind, Brain, and Education Society (IMBES) Early Career Award	2018
James S. McDonnell Foundation Scholar Award	2018
Excellence in Undergraduate Mentoring, Temple University Psychology Honors Prog	ram 2018
APS Rising Star Award	2015
APA Achievement Award for Early Career Psychologists	2014
Institute for Education Sciences (IES) Outstanding Pre-Doctoral Fellow Award	2012
Institute for Education Sciences (IES) Pre-Doctoral Fellowship	2007-2012
Norman H. Anderson Research Fund	2011
Yale College Dean's Research Fellowship	2003

PUBLICATIONS

(Mentee Roles: ^Post-doc, **Graduate Student, *Post-Bac, †Undergraduate Student)

- 1. **Bennett-Pierre, G., [†]Chernuta, T., [†]Altamimi, R., & **Gunderson, E. A.** (2024). Effects of praise and "easy" feedback on children's persistence and self-evaluations. *Journal of Experimental Child Psychology*, *247*, 106032. https://doi.org/10.1016/j.jecp.2024.106032
- ^ATian, J., **Bennett-Pierre, G., **Tavassolie, N., Newcombe, N. S., Weinraub, M., Hindman, A. H., Newton, K. J., & **Gunderson, E. A.** (2023). A growth mindset message leads parents to choose more challenging learning activities. *Journal of Intelligence, 11*(10), 193. https://www.mdpi.com/2079-3200/11/10/193
- 3. **Bennett-Pierre, G., Weinraub, M., Newcombe, N. S., & **Gunderson, E. A.** (2023). "This is hard!": Children's and parents' talk about difficulty during dyadic interactions. *Developmental Psychology 59*(7), 1268–1282. https://doi.org/10.1037/dev0001555
- Park, D., Gunderson, E. A., Maloney, E. A., Tsukayama, E., Beilock, S. L., Duckworth, A. L., & Levine, S. C. (2023). Parental intrusive homework support and math achievement: Does the child's mindset matter? *Developmental Psychology*, *59*(7), 1249–1267. https://doi.org/10.1037/dev0001522

- [^]Tian, J., **Ren, K., & Gunderson, E. A. (2023). Verbal labels influence children's processing of decimal magnitudes. *Journal of Applied Developmental Psychology, 86*, 101537. https://doi.org/10.1016/j.appdev.2023.101537
- [^]Tian, J., **Ren, K., Newcombe, N. S., Weinraub, M., Vandell, D. L., & Gunderson, E. A. (2023). Tracing the origins of the STEM gender gap: The contribution of childhood spatial skills. *Developmental Science*, 26, e13302. https://doi.org/10.1111/desc.13302
- **Bennett-Pierre, G., & Gunderson, E. A. (2022). Fiber arts require spatial skills: How a stereotypically feminine practice can help us understand spatial skills and improve spatial learning. *Sex Roles*, 88, 1-16. https://doi.org/10.1007/s11199-022-01340-y
- Gunderson, E. A. (2022). Early prediction of learning outcomes in mathematics. In M. A. Skeide (Ed.), *The Cambridge Handbook of Dyslexia and Dyscalculia* (pp. 318-332). Cambridge University Press. https://doi.org/10.1017/9781108973595.025
- **Ren, K., *Wang, Y., Weinraub, M., Newcombe, N. S., & Gunderson, E. A. (2022). Fathers' and mothers' praise and spatial language during play with first graders: Patterns of interaction and relations to math achievement. *Developmental Psychology, 58*(10), 1931– 1946. https://doi.org/10.1037/dev0001410
- Dearing, E., Casey, B., Davis-Kean, P. E., Eason, S., **Gunderson, E.,** Levine, S. C., Laski, E. V., Libertus, M., Lu, L., Lombardi, C. M., Nelson, A., Ramani, G., & Susperreguy, M. I. (2022). Socioeconomic variations in the frequency of parent number talk: A meta-analysis. *Education Sciences, 12*(5). https://doi.org/10.3390/educsci12050312
- [^]Tian, J., [†]Dam, S., & **Gunderson, E. A.** (2022). Spatial skills, but not spatial anxiety, mediate the gender difference in number line estimation. *Developmental Psychology, 58*(1), 138-151. https://doi.org/10.1037/dev0001265, 10.1037/dev0001265.supp (Supplemental)
- 12. **Gunderson, E. A.,** & *Hildebrand, L. (2021). Relations among spatial skills, number line estimation, and exact and approximate calculation in young children. *Journal of Experimental Child Psychology, 212*, 105251. https://doi.org/10.1016/j.jecp.2021.105251
- 13. Fuhs, M. W., **Tavassolie, N., *Wang, Y., *Bartek, V., Sheeks, N. A., & **Gunderson, E. A.** (2021). Children's flexible attention to numerical and spatial magnitudes in early childhood. *Journal of Cognition and Development*, 22(1), 22-47. doi:10.1080/15248372.2020.1844712
- **Ren, K., & Gunderson, E. A. (2021). The dynamic nature of children's strategy use after receiving accuracy feedback in decimal comparisons. *Journal of Experimental Child Psychology, 202*, 105015. https://doi.org/10.1016/j.jecp.2020.105015
- [^]Tian, J., *Bartek, V., [†]Rahman, M. Z., & Gunderson, E. A. (2021). Learning improper fractions with the number line and the area model. *Journal of Cognition and Development*, 22(2), 305-327. https://doi.org/10.1080/15248372.2021.1890603
- Gibson, D. J., Gunderson, E. A., & Levine, S. C. (2020). Causal effects of parent number talk on preschoolers' number knowledge. *Child Development*, *91*(6), e1162-e1177. https://doi.org/10.1111/cdev.13423

- 17. [^]Tian, J. & **Gunderson, E. A.** (2020). Teaching fractions to young children. *Young Children, 75*(4), 62-67.
- **Ren, K., & Gunderson, E. A. (2019). Malleability of whole-number and fraction biases in decimal comparison. *Developmental Psychology*, 55(11), 2263–2274. doi:10.1037/dev0000797
- [†]Ham, L., & Gunderson, E. A. (2019). Utilizing analogical reasoning to aid children's proportional reasoning understanding. *Journal of Numerical Cognition*, 5(2), 140-157. doi:10.5964/jnc.v5i2.193
- 20. **Gunderson, E. A.,** **Hamdan, N., *Hildebrand, L., & *Bartek, V. (2019). Number line unidimensionality is a critical feature for promoting fraction magnitude concepts. *Journal of Experimental Child Psychology, 187*, 104657. doi:10.1016/j.jecp.2019.06.010
- ^{§**}Ren, K., ^{§*}Lin, Y., & Gunderson, E. A. (2019). The role of inhibitory control in strategy change: The case of linear measurement. *Developmental Psychology*, 55(7), 1389-1399. doi:10.1037/dev0000739
 [§]Both authors contributed equally.
- 22. Gibson, D. J., Gunderson, E. A., Spaepen, E., Levine, S. C., & Goldin-Meadow, S. (2019). Number gestures predict learning of number words. *Developmental Science*, 22(3), e12791. doi:10.1111/desc.12791
- 23. Newcombe, N. S., Booth, J. L., & **Gunderson, E. A.** (2019). Spatial skills, reasoning, and mathematics. In J. Dunlosky & K. Rawson (Eds.), *Cambridge Handbook on Cognition and Education*. Cambridge, UK: Cambridge University Press.
- Ramirez, G., Fries, L., Gunderson, E., Schaeffer, M. W., Maloney, E. A., Beilock, S. L., & Levine, S. C. (2019). Reading anxiety: An early affective impediment to children's success in reading. *Journal of Cognition and Development*, 20(1), 15-34. doi:10.1080/15248372.2018.1526175
 Winner of 2019 Journal of Cognition and Development Editor's Choice Award.
- 25. Spaepen, E., Gunderson, E. A., Gibson, D., Goldin-Meadow, S., & Levine, S. C. (2018). Meaning before order: Cardinal principle knowledge predicts improvement in understanding the successor principle and exact ordering. *Cognition, 180*, 59-81. doi:https://doi.org/10.1016/j.cognition.2018.06.012 South authors contributed equally.
- Gunderson, E. A., Donnellan, M. B., Robins, R. W., & Trzesniewski, K. H. (2018). The specificity of parenting effects: Differential relations of parent praise and criticism to children's theories of intelligence and learning goals. *Journal of Experimental Child Psychology, 173*, 116-135. doi: 10.1016/j.jecp.2018.03.015
- 27. Gunderson, E. A., Sorhagen, N. S., Gripshover, S., Dweck, C., Goldin-Meadow, S., & Levine, S. C. (2018). Parent praise to toddlers predicts fourth grade academic achievement via children's incremental mindsets. *Developmental Psychology*, *54*(3), 397-409. doi: 10.1037/dev0000444, 10.1037/dev0000444.supp (Supplemental)

- 28. Gunderson, E. A., Park, D., Maloney, E. A., Beilock, S. L., & Levine, S. C. (2018). Reciprocal relations among motivational frameworks, math anxiety, and math achievement in early elementary school. *Journal of Cognition and Development, 19*(1), 21-46. doi: 10.1080/15248372.2017.1421538
- 29. **Gunderson, E. A.,** **Hamdan, N., Sorhagen, N. S., & *D'Esterre, A. P. (2017). Who needs innate ability to succeed in math and literacy? Academic-domain-specific theories of intelligence about peers versus adults. *Developmental Psychology, 53*(6), 1188-1205. doi: 10.1037/dev0000282
- **Hamdan, N., & Gunderson, E. A. (2017). The number line is a critical spatial-numerical representation: Evidence from a fraction intervention. *Developmental Psychology*, *53*(3), 587-596. doi: 10.1037/dev0000252, 10.1037/dev0000252.supp (Supplemental)
- 31. Park, D., Gunderson, E. A., Tsukayama, E., Levine, S. C., & Beilock, S. L. (2016). Young children's motivational frameworks and math achievement: Relation to teacher-reported instructional practices, but not teacher theory of intelligence. *Journal of Educational Psychology*, *108*(3), 300-313. doi: 10.1037/edu0000064
- 32. Suskind, D. L., Leffel, K. R., Graf, E., Hernandez, M. W., **Gunderson, E. A.**, Sapolich, S. G., Suskind, E., Leininger, L., Goldin-Meadow, S., & Levine, S. C. (2016). A parent-directed language intervention for children of low socioeconomic status: a randomized controlled pilot study. *Journal of Child Language*, *43(02)*, 366-406. doi: 10.1017/S0305000915000033
- 33. Gunderson, E. A., Spaepen, E., Gibson, D., Goldin-Meadow, S., & Levine, S.C. (2015). Gesture as a window onto children's number knowledge. *Cognition*, 144, 14-28. doi: http://dx.doi.org/10.1016/j.cognition.2015.07.008
- Gunderson, E.A., Spaepen, E., & Levine, S.C. (2015). Approximate number word knowledge before the cardinal principle. *Journal of Experimental Child Psychology*, *130*, 35-55. doi: 10.1016/j.jecp.2014.09.008
- 35. Maloney, E. A., Ramirez, G., **Gunderson, E. A.,** Levine, S. C., & Beilock, S. L. (2015). Intergenerational effects of parents' math anxiety on children's math achievement and anxiety. *Psychological Science*, *26*(9):1480-1488. doi: 10.1177/0956797615592630
- 36. **Gunderson, E. A.,** Gripshover, S. J., Romero, C., Dweck, C. S., Goldin-Meadow, S., & Levine, S. C. (2013). Parent praise to 1- to 3-year-olds predicts children's motivational frameworks 5 years later. *Child Development, 84*(5), 1526-1541. doi: 10.1111/cdev.12064
- 37. **Gunderson, E. A.,** Ramirez, G., Beilock, S. L., & Levine, S. C. (2013). Teachers' spatial anxiety relates to 1st- and 2nd-graders' spatial learning. *Mind, Brain, and Education, 7*(3), 196-199. doi: 10.1111/mbe.12027
- 38. Ramirez, G., **Gunderson, E. A.,** Levine, S. C., & Beilock, S. L. (2013). Math anxiety, working memory, and math achievement in early elementary school. *Journal of Cognition and Development, 14*(2), 187-202. doi: 10.1080/15248372.2012.664593
- 39. **Gunderson, E. A.,** Ramirez, G., Beilock, S. L., & Levine, S. C. (2012). The relation between spatial skill and early number knowledge: The role of the linear number line. *Developmental Psychology*, *48*(5), 1229-1241. doi: 10.1037/a0027433

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- 40. **Gunderson, E. A.,** Ramirez, G., Levine, S. C., & Beilock, S. L. (2012). New directions for research on the role of parents and teachers in the development of gender-related math attitudes: Response to commentaries. *Sex Roles, 66*(3), 191-196. doi: 10.1007/s11199-011-0100-8
- 41. **Gunderson, E. A.,** Ramirez, G., Levine, S. C., & Beilock, S. L. (2012). The role of parents and teachers in the development of gender-related math attitudes. *Sex Roles, 66*(3), 153-166. doi: 10.1007/s11199-011-9996-2
- 42. Ramirez, G., **Gunderson, E. A.,** Levine, S. C., & Beilock, S. L. (2012). Spatial anxiety relates to spatial abilities as a function of working memory in children. *The Quarterly Journal of Experimental Psychology*, *65*(3), 474-487. doi: 10.1080/17470218.2011.616214
- 43. **Gunderson, E. A.,** & Levine, S. C. (2011). Some types of parent number talk count more than others: Relations between parents' input and children's number knowledge. *Developmental Science, 14*(5), 1021-1032. doi: 10.1111/j.1467-7687.2011.01050.x
- 44. Levine, S. C., Gunderson, E. A., & Huttenlocher, J. (2011). Number development in context: Variations in home and school input during the preschool years. In N. L. Stein & S. W. Raudenbush (Eds.), *Developmental Cognitive Science Goes to School* (pp. 189-202). New York: Taylor and Francis.
- 45. Beilock, S. L., **Gunderson, E. A.,** Ramirez, G., & Levine, S. C. (2010). Reply to Plante et al.: Girls' math achievement is related to their female teachers' math anxiety. *Proceedings of the National Academy of Sciences, 107*(20), E80. doi: 10.1073/pnas.1003899107
- Beilock, S. L., Gunderson, E. A., Ramirez, G., & Levine, S. C. (2010). Female teachers' math anxiety affects girls' math achievement. *Proceedings of the National Academy of Sciences, 107*(5), 1860-1863. doi: 10.1073/pnas.0910967107
- Levine, S. C., Suriyakham, L. W., Rowe, M. L., Huttenlocher, J., & Gunderson, E. A. (2010). What counts in the development of young children's number knowledge? *Developmental Psychology*, *46*(5), 1309-1319. doi: 10.1037/a0019671

MANUSCRIPTS SUBMITTED FOR PUBLICATION

(Mentee Roles: ^Post-doc, **Graduate Student, *Post-Bac, †Undergraduate Student)

- [^]Abreu-Mendoza, R. A., Barner, D., Boni, I., Cheung, P., Cordes, S., Hyde, D., ... Gunderson, E. A. (Stage 1 registered report under revision). ManyNumbers 1: A multi-lab international study of early number knowledge.
- 2. **Ren, K., [^]Grenell, A., & **Gunderson, E. A.** (under revised review). Are students' math and verbal motivational beliefs malleable? The role of praise in dimensional comparisons.
- 3. **Zhang, X. & **Gunderson, E. A.** (under review). The relation between spatial anxiety and spatial skills is moderated by visuospatial working memory and grade level.

INVITED TALKS

Colloquium, Cognitive Science Program, Indiana University

Workshop on Equality & Exact Number, Virtual	Aug. 2023
Colloquium, Dept. of Psychological & Brain Sciences, Indiana University	Aug. 2023 Apr. 2023
Workshop on Education, University of Chicago	Jan. 2023
Psychology Department Colloquium, University of Pittsburgh	Dec. 2021
Applied Developmental & Educational Psychology (ADEP) Colloquium Series,	Oct. 2021
Boston College	
Psychology Department Colloquium, University of Chicago	Mar. 2020
Developmental Psychology Brown Bag, University of Pennsylvania	Feb. 2020
Psychology Brown Bag, University of the Sciences	Feb. 2019
Michael S. Goodman '74 Memorial Colloquium Series, Department of Cognitive, Linguistic, & Psychological Sciences, Brown University	Jan. 2019
Psychology Department Colloquium, Stanford University	Jan. 2019
Campaign for Grade Level Reading (GLR) Week, Philadelphia, PA	July 2018
Character Lab Research Seminar, University of Pennsylvania	May 2017
Psychology Brownbag, Rutgers University-Camden	Mar. 2017
Keynote speaker, Southeastern-Massachusetts Quantitative Engagement & Literacy (SEQuEL) Conference, Bridgewater State University	Jan. 2017
Workshop on Education, University of Chicago	May 2016
Psychology Department Colloquium, Villanova University	Mar. 2016
"Space and Mathematics: What's the Connection?", University of Chicago	Nov. 2015
Center for Children, Relationships, and Culture Seminar Series, University of Maryland	Oct. 2015
TeenSHARP Parent Network	Oct. 2015
Grand Rounds, Department of Psychiatry, University of Vermont	May 2015
Current Work in Developmental Psychology Seminar, Yale University	Oct. 2013
Institute of Education Sciences Principal Investigators Meeting	Sep. 2013
Developmental Seminar, University of Illinois at Urbana-Champaign	Nov. 2011
Harvard Achievement Gap Initiative (AGI) Research-to-Practice Conference, Harvard University	Jun. 2011
Workshop on Education, University of Chicago	Apr. 2011
Developmental Psychology Seminar, University of Chicago	Feb. 2011
Spatial Intelligence and Learning Center Research Seminar, Temple University	Feb. 2011
Spatial Intelligence and Learning Center Research Seminar, Northwestern University	Feb. 2011
Comparative Human Development Workshop on Culture, University of Chicago	Feb. 2011
Research Seminar, Stanford University	May 2010
Developmental Psychology Seminar, Stanford University	, May 2010
Workshop on Education, University of Chicago	Jan. 2010
Developmental Psychology Seminar, University of Chicago	Nov. 2009

CONFERENCE PRESENTATIONS (SINCE 2018)

(Mentee Roles: ^Post-doc, **Graduate Student, *Post-Bac, †Undergraduate Student)

- 1. ^Abreu-Mendoza, R. A. & **Gunderson, E. A.** (June 2024). Nonsymbolic proportional estimation profiles are not associated with better magnitude understanding at the early stages of fraction instruction. Poster presented at the 2024 Mathematical Cognition and Learning Society Conference, Washington, DC.
- 2. **Zhang, X. & **Gunderson, E. A.** (June 2024). Linking arithmetic strategy use to spatial skills in children. Talk presented at the 2024 Mathematical Cognition and Learning Society Conference, Washington, DC.
- 3. **Bennett-Pierre, G., Shipley, T. F., Newcombe, N., & **Gunderson, E. A.** (March 2024). All tied up: Developing the knot reasoning task, a novel measure of non-rigid spatial thinking. Poster presented at the 2024 Cognitive Development Society Biennial Conference, Pasadena, CA.
- **Tavassolie, N., *Sylverne, L., *D'Antonio, E., Newcombe, N., Weinraub, M., & Gunderson, E. A. (March 2024). Using books to improve mental rotation skills in 4- and 5-year-old children. Poster presented at the 2024 Cognitive Development Society Biennial Conference, Pasadena, CA.
- [^]Tian, J., [†]Camarote, J., & Gunderson, E. A. (March 2024). Children's motivational beliefs in math, verbal, and spatial domains: relations to gender, grade level, and achievement. Poster presented at the 2024 Cognitive Development Society Biennial Conference, Pasadena, CA.
- 6. **Zhang, X. & **Gunderson, E. A.** (March 2024). How does mental rotation training affect calculation skills? The role of state anxiety and calculation type. Poster presented at the 2024 Cognitive Development Society Biennial Conference, Pasadena, CA.
- [†]Feinberg, H., **Bennett-Pierre, G., & Gunderson, E. A. (March 2024). Creation of the Knot Reasoning Task, a novel measure of non-rigid spatial thinking. Poster presented at the 2024 Eastern Psychological Association Conference, Philadelphia, PA
- **Bennett-Pierre, G., *Chernuta, T., *Altamimi, R., & Gunderson, E. A. (August 2023). Effects of praise and "easy" feedback on children's persistence after failure on an online puzzle. Poster presented at the 2023 American Psychological Association Convention, Washington, DC.
- 9. **Gunderson, E. A.,** Barner, D., Cheung, P., Cordes, S., Feigenson, L., Hyde, D., Izard, V., Kibbe, M., Libertus, M., Sullivan, J., vanMarle, K. (June 2023). ManyNumbers 1: Conceptual foundations of number word learning in preschoolers. Talk presented at the 2023 Mathematical Cognition and Learning Society Conference, Loughborough, UK.
- Hyde, D., Barner, D., Cheung, P., Cordes, S., Feigenson, L., **Gunderson, E. A.**, Izard, V., Kibbe, M., Libertus, M., Sullivan, J., vanMarle, K. (June 2023). ManyNumbers 2: The nature and development of small set number representation in toddlers. Talk presented at the 2023 Mathematical Cognition and Learning Society Conference, Loughborough, UK.
- 11. Libertus, M., Barner, D., Cheung, P., Cordes, S., Feigenson, L., **Gunderson, E. A.,** Hyde, D., Izard, V., Kibbe, M., Sullivan, J., vanMarle, K. (June 2023). ManyNumbers: Getting

involved and opportunities beyond the two foundational studies. Talk presented at the 2023 Mathematical Cognition and Learning Society Conference, Loughborough, UK.

- 12. **Tavassolie, N., *Sylverne, L., Newcombe, N., Weinraub, M., & **Gunderson, E. A.** (June 2023). Using books to improve mental rotation skills in 4- and 5-year-old children. Poster presented at the Mathematical Cognition and Learning Society Conference, Loughborough, UK.
- ^ATian, J., **Bennett-Pierre, G., **Tavassolie, N., **Zhang, X., *D'Antonio, E., *Sylverne, L., Newcombe, N. S., Weinraub, M., Hindman, A., Newton, K., & **Gunderson, E. A.** (June 2023). A month-long parent-led spatial intervention. Poster presented at the Mathematical Cognition and Learning Society Conference, Loughborough, UK.
- 14. **Zhang, X., **Ren, K., & **Gunderson, E. A.** (June 2023). Do additional magnitude cues benefit children's number line performance? Poster presented at the Mathematical Cognition and Learning Society Conference, Loughborough, UK.
- 15. *D'Antonio, E. & **Gunderson, E. A.** (July 2022). Do Mom and Dad both talk about school? Longitudinal relations between parent involvement equality and children's academic achievement. Poster presented at the Annual Conference of the International Mind, Brain, and Education Society (IMBES), Montreal, Canada.
- 16. *Sylverne, A. & **Gunderson, E. A.** (July 2022). Spatial skills and number line estimation skills in low math achieving children. Poster presented at the Annual Conference of the International Mind, Brain, and Education Society (IMBES), Montreal, Canada.
- 17. **Tavassolie, N., [^]Tian, J., **Bennett-Pierre, G., Newcombe, N., Weinraub, M., Hindman, A., Newton, K. & Gunderson, E. A. (June 2022). Measuring the spatial home learning environment: Initial test of the Spatial Toys and Activities Checklist (STAC). Poster presented at the 2022 Mathematical Cognition and Learning Society Conference, Antwerp, Belgium.
- 18. [^]Tian, J., **Tavassolie, N., **Bennett-Pierre, G., Newcombe, N., Weinraub, M., Hindman, A., Newton, K. & Gunderson, E. A. (June 2022). Growth mindset message influences parents' choices of challenging learning activities. Poster presented at the 2022 Mathematical Cognition and Learning Society Conference, Antwerp, Belgium.
- 19. **Zhang, X, & **Gunderson, E. A.** (June 2022). The interactive effect of working memory and spatial anxiety on spatial skills changes with children's age. Poster presented at the 2022 Mathematical Cognition and Learning Society Conference, Antwerp, Belgium.
- 20. **Gunderson, E. A.** (April 2022). Supporting early to mid-career researchers: Work-family conflict, service, and (self) promotion. Talk presented at the Cognitive Development Society Preconference: Working toward a more diverse, equitable, and inclusive cognitive developmental science, Madison, WI.
- 21. **Bennett-Pierre, G., Weinraub, M., Newcombe, N., & Gunderson, E. A. (April 2022). "This is hard!": Children and parents talk about difficulty during dyadic interactions in two observational datasets. Poster presented at the 2022 Cognitive Development Society Biennial Conference, Madison, WI.

- 22. **Tavassolie, N. & Gunderson, E. A. (April 2022). Flexible attention to magnitudes: Investigating specificity in dimensional attention. Poster presented at the 2022 Cognitive Development Society Biennial Conference, Madison, WI.
- 23. [^]Tian, J., **Ren, K., Newcombe, N. S., Weinraub, M., Vandell, D. L., & Gunderson, E. A. (April 2022). Tracing the origins of the STEM gender gap: Childhood spatial skills contribute to women's underrepresentation in STEM college majors. Poster presented at the 2022 Cognitive Development Society Biennial Conference, Madison, WI.
- 24. **Zhang, X. & **Gunderson, E. A.** (April 2022). The interactive effect of working memory and spatial anxiety on spatial skills changes with children's age. Poster presented at the 2022 Cognitive Development Society Biennial Conference, Madison, WI.
- 25. **Bennett-Pierre, G., Weinraub, M., Newcombe, N., & **Gunderson, E. A.** (April 2021). "This is hard!": Children's and parents' talk about difficulty during a dyadic interaction. Poster presented at the Society for Research in Child Development (SRCD) Virtual Biennial Meeting.
- 26. Dearing, E., Casey, B., Davis-Kean, P., Eason, S., Gunderson, E. A., Levine, S., Lombardi, C., Nelson, A., Ramani, G., & Susperreguy, M. I. (April 2021). Synthesizing mixed evidence on associations between parent number talk and SES. Talk presented at the Society for Research in Child Development (SRCD) Virtual Biennial Meeting.
- 27. Park, D., **Gunderson, E. A.,** Maloney, E., Tsukayama, E., Beilock, S., Duckworth, A., & Levine, S.C. (April 2021). Intrusive parental homework support and children's math achievement: Relation to children's theories of intelligence. Talk presented at the Society for Research in Child Development (SRCD) Virtual Biennial Meeting.
- 28. **Ren, K., Sorhagen, N., & **Gunderson, E. A.** (April 2021). Incremental theorists are less dependent on their math achievement when forming their competence self-concepts. Talk presented at the Society for Research in Child Development (SRCD) Virtual Biennial Meeting.
- 29. **Tavassolie, N., *Wang, Y., **Gunderson, E. A.,** Sheeks, N., Vrabec, A., & Fuhs, M. W. (April 2021). Young children's flexible attention to numerical and spatial magnitudes. Poster presented at the Society for Research in Child Development (SRCD) Virtual Biennial Meeting.
- 30. [^]Tian, J., [†]Rahman, M., & Gunderson, E. A. (April 2021). Do children understand fraction magnitudes? Sometimes yes, and sometimes no. Talk presented at the Society for Research in Child Development (SRCD) Virtual Biennial Meeting.
- 31. [†]Ueki, P., **Bennett-Pierre, G., & **Gunderson, E. A.** (March 2021). Children's statements about difficulty relate to duration of parent-child dyads' task engagement. Poster presented at the Eastern Psychological Association Virtual Annual Meeting.
- 32. **Tavassolie, N., *Wang, Y., Gunderson, E. A., Sheeks, N., Vrabec, A., & Fuhs, M. W. (June 2020). Young children's flexible attention to numerical and spatial magnitudes. Poster accepted for presentation at the 3rd Mathematical Cognition and Learning Society (MCLS) Conference (cancelled), Dublin, Ireland.

- 33. ^ATian, J., [†]Rahman, M., ^{*}Bartek, V., **Gunderson, E. A.** (June 2020). Intervention on improper fractions with number lines versus area models. Paper accepted for presentation at the 3rd Mathematical Cognition and Learning Society (MCLS) Conference (cancelled), Dublin, Ireland.
- 34. *Carvalho Pereira, J., & **Gunderson, E. A.** (October 2019). Socioeconomic status moderates the relation between spatial and numerical skills in children. Poster presented at the 2019 Cognitive Development Society Biennial Conference, Louisville, KY.
- 35. [†]Dam, N., *Carvalho Pereira, J., & **Gunderson, E. A.** (October 2019). Spatial skills, but not spatial anxiety, partially account for the gender gap in number line estimation. Poster presented at the 2019 Cognitive Development Society Biennial Conference, Louisville, KY.
- 36. **Ren, K., & **Gunderson, E. A.** (October 2019). The dynamic nature of children's strategy use after receiving feedback in decimal comparisons. Talk presented at the 2019 Cognitive Development Society Biennial Conference, Louisville, KY.
- 37. *Wang, Y., & **Gunderson, E. A.** (October 2019). Does parents' spatial language relate to parent and child gender? Poster presented at the 2019 Cognitive Development Society Biennial Conference, Louisville, KY.
- 38. Fuhs, M., *Wang, Y., *Bartek, V., & Gunderson, E. A. (June 2019). Flexible attention to numerical and spatial magnitudes in early childhood. Poster presented at the 2nd Mathematical Cognition and Learning Society (MCLS) Conference, Ottawa, ON, Canada.
- 39. **Ren, K., & Gunderson, E. A. (June 2019). The impact of decimal labeling on decimal comparison biases. Talk presented at the 2nd Mathematical Cognition and Learning Society (MCLS) Conference, Ottawa, ON, Canada.
- 40. *Bartek, V., Fuhs, M., & **Gunderson, E.A.** (March 2019). Flexible attention to numerical and spatial magnitudes in pre-K through first graders. Poster presented at the Society for Research in Child Development (SRCD) Biennial Meeting, Baltimore, MD.
- 41. [†]Cannon, A., ^{*}Hildebrand, L., & **Gunderson, E.A.** (March 2019). Self-reported proportional reasoning strategies as predictors of performance. Poster presented at the Society for Research in Child Development (SRCD) Biennial Meeting, Baltimore, MD.
- 42. **Gunderson, E.A.** (March 2019). Longitudinal relations among spatial and numerical skills in pre-k to fourth grades. Talk presented at the Society for Research in Child Development (SRCD) Biennial Meeting, Baltimore, MD.
- 43. *Hildebrand, L. & **Gunderson, E.A.** (March 2019). Proportional reasoning as a spatial foundation of number line estimation. Poster presented at the Society for Research in Child Development (SRCD) Biennial Meeting, Baltimore, MD.
- 44. *Hildebrand, L., Jirout, J., Newcombe, N. S., & **Gunderson, E.A.** (March 2019). The development of gender stereotypes about spatial, math, and reading domains. Talk presented at the Society for Research in Child Development (SRCD) Biennial Meeting, Baltimore, MD.

- 45. [†]Pepper, S., **Ren, K., *Bartek, V., & **Gunderson, E.A.** (March 2019). Mothers' and fathers' motivational talk to first-graders: Praise, enjoyment, and high expectations. Poster presented at the Society for Research in Child Development (SRCD) Biennial Meeting, Baltimore, MD.
- 46. **Ren, K. & **Gunderson, E.A.** (March 2019). Malleability of whole-number and fraction biases in decimal comparison. Poster presented at the Society for Research in Child Development (SRCD) Biennial Meeting, Baltimore, MD.
- 47. **Ren, K., Newcombe, N. S., & **Gunderson, E.A.** (March 2019). Parent praise during spatial tasks: Mothers, fathers, and longitudinal relations to math and spatial skills. Talk presented at the Society for Research in Child Development (SRCD) Biennial Meeting, Baltimore, MD.
- 48. **Gunderson, E. A.** (April 2018). Number line uni-dimensionality is key to promoting fraction representations. Talk presented at the 1st Mathematical Cognition and Learning Society Conference, Oxford, UK.
- 49. Gunderson, E. A., Park, D., Maloney, E. A., Beilock, S. L., & Levine, S. C. (April 2018). Reciprocal relations among motivational frameworks, math anxiety, and math achievement in early elementary school. Talk presented at the 1st Mathematical Cognition and Learning Society Conference, Oxford, UK.
- 50. [†]Ham, L., & Gunderson, E. A. (March 2018). Utilizing analogical reasoning to aid children's proportional reasoning understanding. Poster presented at the 2018 Eastern Psychological Association Meeting, Philadelphia, PA. Winner of Psi Chi Eastern Regional Research Award.

TEACHING EXPERIENCE

Graduate

- **Instructor**, Topical Seminar in Developmental Psychology: Mathematical Development, PSY 8510, *Temple University*, Spring 2014, Spring 2018
- Instructor, Topical Seminar in Developmental Psychology: Cognitive Development, PSY 8510, Temple University, Fall 2020

Undergraduate

Instructor, Capstone: Psychology in Education, PSY 457, *Indiana University*, Spring 2024 **Instructor**, Capstone: Psychology in Education, PSY 4696, *Temple University*, Spring 2016,

Fall 2017, Spring 2018, Spring 2020, Spring 2021, Spring 2022, Spring 2023

- Instructor, Phases of Development: Infancy, PSY 3301, *Temple University*, Spring 2015, Fall 2018
- Instructor, Cognitive and Language Development, PSY 3305, *Temple University*, Fall 2014, Spring 2015, Fall 2015, Spring 2016, Fall 2019, Fall 2021, Fall 2022
- Instructor, Capstone: Mathematical Cognition & Development, PSY 4596, *Temple University*, Spring 2013

UNDERGRADUATE HONORS STUDENTS AND PROJECTS/THESES SUPERVISED

Joei Camarote, Undergraduate Honors Thesis, Temple University Taylor Chernuta, Undergraduate Honors Thesis, Temple University Natasha Vahora, Undergraduate Honors Thesis, Temple University Rawan Altamimi, Undergraduate Honors Thesis, Temple University Completed Spring 2023 Completed Spring 2023 Completed Spring 2023 Completed Spring 2022

Khushi Sibal, Undergraduate Honors Thesis, Temple University
Sarah Pepper, Undergraduate Honors Thesis, Temple University
Alysa Cannon, Undergraduate Honors Thesis, Temple University
Lillian Ham, Undergraduate Honors Thesis, Temple University
Brooke Singer, Undergraduate Honors Thesis, Temple University

Completed Spring 2022 Completed Spring 2019 Completed Fall 2018 Completed Spring 2018 Completed Spring 2015

2013-2014

MASTER'S STUDENTS AND PROJECTS/THESES SUPERVISED

Corey Elise Young, Master's Student, Neuroscience Program, Temple University	2017-2019	
Co-mentors: Gunderson & Reilly		
Lindsey Hildebrand, M.Ed. in Urban Education, Temple University	2015-2018	
Mentor of Master's Thesis research project. Note: Ms. Hildebrand completed her M.Ed.		
while concurrently working as a full-time research assistant in my lab.		

DOCTORAL STUDENTS AND PROJECTS/DISSERTATIONS SUPERVISED

Xinhe Zhang, Doctoral Student, Temple University, Indiana University	2021-present
Grace Bennett-Pierre, Doctoral Student, Temple University	2019-2024
Dissertation Advisor	Defended Apr. 2024
Committee Chair, Preliminary Exam	Jan. 2022
Nadia Tavassolie, Doctoral Student, Temple University	2019-2024
Dissertation Advisor	Defended Apr. 2024
Committee Chair, Preliminary Exam	May 2022
Kexin (Cathy) Ren, Doctoral Student, Temple University	2016-2021
Dissertation Advisor	Defended May 2021
Committee Chair, Preliminary Exam	Oct. 2019
Noora Hamdan, Doctoral Student, Temple University	2013-2018
Committee Chair, Preliminary Exam	Dec. 2016

MENTORING: DOCTORAL STUDENT COLLABORATORS

Nicole Sorhagen, Laboratory of Dr. Marsha Weinraub, Temple University, Mentor of Research Assistantship

PRELIMINARY EXAM AND DISSERTATION COMMITTEE SERVICE: TEMPLE UNIVERSITY

Ally Masters, Preliminary Exam Committee, Dept. of Psychology Defended Feb. 2023 Michelle Chiu, Dissertation Committee, Dept. of Psychology Defended Nov. 2022 Rachel Myer, Dissertation Committee, Dept. of Psychology Defended Oct. 2022 Preliminary Exam Committee, Dept. of Psychology **Defended April 2018** Elias Blinkoff, Preliminary Exam Committee, Dept. of Psychology Defended Dec. 2021 Rebekah Banerjee, Preliminary Exam Committee, Dept. of Psychology Defended May 2021 Natalie Evans, Dissertation Committee, Dept. of Psychology Defended April 2021 Preliminary Exam Committee, Dept. of Psychology Defended April 2019 Molly Scott, Dissertation Committee, Dept. of Psychology Defended Jun. 2020 Staci Weiss, Dissertation Committee, Dept. of Psychology Defended Mar. 2020 Jill Rabinowitz, Dissertation Committee, Dept. of Psychology Defended April 2017 Laura Young, Dissertation Committee, College of Education Defended April 2017 Ashley Drew, Dissertation Committee, Dept. of Psychology Defended April 2017 Preliminary Exam Committee, Dept. of Psychology **Defended April 2015** Corinne Holmes, Dissertation Committee, Dept. of Psychology Defended Jan. 2017 Preliminary Exam Committee, Dept. of Psychology Defended June 2014 Junko Kanero, Dissertation Committee, Dept. of Psychology Defended July 2016

	Defended	
Steve Weisberg, Dissertation Committee, Dept. of Psychology Nicole Sorhagen, Dissertation Committee, Dept. of Psychology		Aug. 2014
Ilyse Resnick, Dissertation Committee, Dept. of Psychology	Defended	May 2013
MENTEE AND STUDENT AWARDS		
Joei Camarote, Temple University Diamond Award		2022
Lillian Ham, Psi Chi Eastern Regional Research Award	Conintry	2018
Lindsey Hildebrand, Poster Award, International Mind, Brain, and Education	1 Society	2016
MENTEE GRANTS / FUNDING FOR MENTORED RESEARCH		
Liberal Arts Undergraduate Research Awards (LAURA), Temple Universe Mentor: Gunderson, Undergraduate Student Mentee: Bennett (\$1,50 The Impact of Spatial Book-Reading on Preschoolers' Mental Rotati	00)	2023
Liberal Arts Undergraduate Research Awards (LAURA), Temple Universe Mentor: Gunderson, Undergraduate Student Mentee: Camarote (\$2 Improving preschoolers' spatial skills through an at-home parent-lea	,000)	2022 on
Building Research Independence by Developing Goals and Hands-on (BRIDGE), Temple University Mentor: Gunderson, Undergraduate Student Mentee: DiSalvo (\$3,00	•	es 2022
Creative Arts, Research and Scholarship (CARAS) Travel Award , Temp Mentor: Gunderson, Undergraduate Student Mentee: Dam (\$626) <i>Poster presentation at the Cognitive Development Society (CDS) Co</i>		ity 2019
Creative Arts, Research and Scholarship (CARAS) Project Grant, Temp Mentor: Gunderson, Undergraduate Student Mentee: Rahman (\$2,0 <i>Number-line Improper Fraction Training in Youth (NIFTY)</i>		ity 2019
National Study of Learning Mindsets Early Career Fellowship, PI: Sorha Relations Between Motivation, Math Anxiety, and Math Achievemen Total Costs: \$8,000 Role: Collaborator		2018-2019
Creative Arts, Research and Scholarship (CARAS) Project Grant, Temp Mentor: Gunderson, Undergraduate Student Mentee: Pepper (\$2,92 Gender differences in parents' motivational praise during spatial act	25)	ity 2018
Creative Arts, Research and Scholarship (CARAS) Travel Award, Temp Mentor: Gunderson, Undergraduate Student Mentee: Ham (\$1,000) <i>Poster presentation at the Cognitive Development Society (CDS) Co</i>		ity 2017
Liberal Arts Undergraduate Research Awards (LAURA), Temple Universe Mentor: Gunderson, Undergraduate Student Mentee: Wrobel (\$2,00 The importance of parent language and gesture for children's spatia	0)	2017
Diamond Research Scholars Program, Temple University		2017

Mentor: Gunderson, Undergraduate Student Mentee: Ham (\$4,000) The influence of familiarity on children's proportional reasoning knowledge

Creative Arts, Research and Scholarship (CARAS) Travel Award, Temple University 2017 Mentor: Gunderson, Undergraduate Student Mentee: Wrobel (\$1,000) Poster presentation at the Eastern Psychological Association (EPA) Conference

Creative Arts, Research and Scholarship (CARAS) Travel Award, Temple University 2016 Mentor: Gunderson, Undergraduate Student Mentee: Ham (\$994) *Poster presentation at the International Mind, Brain, and Education Society (IMBES)*

MENTORING: UNDERGRADUATE STUDENTS, INDIANA UNIVERSITY

Ashley Nirtaut, Research Intern Kelsey Rose, Research Intern, Summer Intern Sarah Dunn, Research Intern Meghan Tierney, Research Intern Spring 2024-present Spring 2024-present Fall 2023-Spring 2024 Fall 2023-Spring 2024

MENTORING: UNDERGRADUATE STUDENTS, TEMPLE UNIVERSITY

Jamie-Nicole Luistro, Research Intern	Fall 2023-Spring 2024
Abby Neitch, Research Intern	Fall 2023-Spring 2024
Dabin Yim, Research Intern	Fall 2023-Spring 2024
Hannah Feinberg, Research Intern, Summer Intern	Summer 2023-Spring 2024
Jammie Letona, Research Intern, Summer Intern	Summer 2023-Spring 2024
Jules Mirales, Research Intern, Summer Intern	Fall 2022-Fall 2023
Sherese Bennett, Research Intern	Spring 2022-Fall 2023
Caitlin Romanelli, Research Intern, Summer Intern	Fall 2022-Summer 2023
Joei Camarote, Research Intern, Summer Intern & Honors Thesis	Fall 2021-Summer 2023
Ava Pasewicz, Research Intern	Fall 2022-Spring 2023
Elisabetta DiSalvo, Research Intern & Summer Intern	Summer 2022-Spring 2023
Natasha Vahora, Research Intern, Summer Intern & Honors Thesis	Spring 2022-Spring 2023
Ashley Bontempo, Research Intern	Fall 2021-Spring 2023
Taylor Chernuta, Research Intern, Summer Intern & Honors Thesis	Fall 2021-Spring 2023
Katie Probst, Research Intern	Spring 2022-Fall 2022
Jada Macksoud, Research Intern	Fall 2022
Sevila Temirova, Research Intern & Summer Intern	Fall 2021-Summer 2022
Asravi Chilakamari, Research Intern	Fall 2021-Spring 2022
Rawan Altamimi, Research Intern & Honors Thesis	Spring 2020-Spring 2022
Khushi Sibal, Research Intern & Summer Intern & Honors Thesis	Fall 2019-Spring 2022
Lexi Sylverne, Research Intern & Summer Intern	Fall 2020-Summer 2021
Kim Bohl, Research Intern & Summer Intern	Fall 2020-Summer 2021
Paula Ueki, Research Intern & Summer Intern	Fall 2019-Spring 2021
Jennifer Dooher, Research Intern	Spring 2020
Nadhia Engle, Research Intern	Fall 2019-Spring 2020
Su Dam, Research Intern & Summer Intern	Spring 2019-Spring 2020
Dianna Wambach, Research Intern & Summer Intern	Spring 2019-Spring 2020
Maya Rahman, Research Intern & Summer Intern	Spring 2018-Spring 2020
Madyson Kolbes, Research Intern & Summer Intern	Fall 2018-Fall 2019
Clem Paolantonio, Research Intern & Summer Intern	Fall 2018-Summer 2019
Sarah Pepper, Research Intern, Summer Intern, & Honors Thesis	Spring 2018-Spring 2019
Daniel Keefer, Research Intern & Summer Intern	Spring 2018-Fall 2018

Alysa Cannon, Research Intern, Summer Intern, & Honors Thesis Carrie Weaver, Research Intern Sania Latif, Research Intern Kyle McCloskey, Research Intern **RJ Nair, Research Intern** Marly Pred, Research Intern Anza Thomas, Research Intern Lillian Ham, Research Intern, Summer Intern, & Honors Thesis Jaeyong Sung, Research Intern Audrey Wrobel, Research Intern & Summer Intern Corv Ardekani, Research Intern & Summer Intern Christin Kim, Research Intern Amma-Sika Adomako, Research Intern Stephy Sebastian, Research Intern Elizabeth Kohlbrenner, Research Intern & Summer Intern Synclaire Arthur, Research Intern Tyler Burger, Research Intern Olivia Dermody, Research Intern Nicole Lee, Research Intern Samantha McLaughlin, Research Intern Jessica Palmarini. Research Intern Yesha Dave, Research Intern Brittany Worthington, Research Intern Najah Young, Research Intern Jiai Jung, Research Intern Gabriella Riccardo, Research Intern Sherly Smith, Research Intern Riley Brown, Research Intern & Summer Intern Jennifer Brandley, Research Intern & Summer Intern John Durison, Research Intern Maya Johnson, Research Intern Shuo Liu, Research Intern Victoria McLaughlin, Research Intern Sumaiya Nusrath, Research Intern LiaJo DeStefano, Research Intern Mahala Femovich, REU Summer Intern Courtney Gray, REU Summer Intern Brooke Singer, Research Intern & Honors Thesis Alaina Chlebek, Research Intern Marisol Savage, Research Intern Kate Knebels, Research Intern

Fall 2017-Fall 2018 Spring 2018 Fall 2017-Spring 2018 Spring 2016-Spring 2018 Fall 2016-Spring 2018 Fall 2015-Fall 2017 Fall 2016-Fall 2017 Spring 2017-Fall 2017 Fall 2017 Fall 2017 Fall 2016-Summer 2017 Fall 2016-Spring 2017 Spring 2017 Spring 2017 Spring 2017 Fall 2015- Fall 2016 Spring 2016-Fall 2016 Fall 2016 Fall 2015-Summer 2016 Spring 2016-Summer 2016 Fall 2015-Spring 2016 Spring 2016 Summer 2015 Summer 2015 Fall 2013-Spring 2015 Fall 2014-Spring 2015 Fall 2014-Spring 2015 Fall 2013-Spring 2014

2024-present

SERVICE TO THE UNIVERSITY, INDIANA UNIVERSITY

Instructional Promotion Advisory Committee Member

SERVICE TO THE DEPT. OF PSYCHOLOGICAL AND BRAIN SCIENCES, INDIANA UNIVERSITY 2024-present

Policy and Steering Committee Member

SERVICE TO THE DEPT. OF PSYCHOLOGY & NEUROSCIENCE, TEMPLE UNIVERSITY

Developmental Area Director	2022-2023
Graduate Committee Member	2022-2023
Fellowship Committee Member	2022-2023
Student Awards Committee Member	2017-2019, 2020-2022
Outreach and Translation Committee Chair	2019-2022
Clinical Faculty Search Committee Member	2019-2020
Outreach and Translation Committee Member	2017-2019
Cognitive Faculty Search Committee Member	2014-2016
Diversity Committee Member	2015-2016
Faculty Awards Committee Member	2014-2015
Colloquium Committee Member	2013-2015
Undergraduate Committee Member	2013-2014

SERVICE TO THE PROFESSION

Mentor, Cognitive Development Society (CDS) Mentorship Program	2023
Member, 2023 Boyd McCandless Award Committee (APA Division 7)	2021-2022
Panelist, NSF Workshop for EHR CAREER Applicants	2021
Co-Chair, 2022 Boyd McCandless Award Committee (APA Division 7)	2020-2021
Mentor, Cognitive Development Society (CDS) Diversity Mentorship Program	2019

JOURNAL EDITING AND REVIEWING

Associate Editor, *Developmental Psychology* (2022-present) Associate Editor, *Journal of Cognition and Development* (2021-present) Guest Editor, *Proceedings of the National Academy of Science (PNAS)* (2021) Consulting Editor, *Journal of Cognition and Development* (2016-2021) Consulting Editor, *Child Development* (2017-2021)

Ad-hoc reviewer: Assessment Behavioral and Brain Functions Child Development Research Cognition Cognitive Development Cognitive Processing Cognitive Processing Cognitive Psychology Cognitive Research: Principles and Implications Cognitive Science Contemporary Educational Psychology Developmental Psychology Developmental Science Early Education and Development Educational Psychology Educational Psychology Educational Psychology Review European Journal of Developmental Psychology Fields Mathematics Education Journal Frontiers in Psychology: Developmental Psychology Infant and Child Development	
Frontiers in Psychology: Developmental Psychology Infant and Child Development Journal of Abnormal Child Psychology	Sex Roles Social Science Research
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GRANT REVIEWER

Ad hoc reviewer, National Science Foundation (NSF), Social, Behavioral and Econo	omic	
Sciences (SBE) and STEM Education (EDU) 2	013-present	
Review panel member, NSF Education Core Research (ECR), Division of Research	ר on	
Learning in Formal and Informal Settings (DRL)	2024	
Ad hoc reviewer, Natural Sciences and Engineering Research Council of Canada	2024	
Review panel member, NSF CAREER Program, Division of Research on Learning in Formal		
and Informal Settings (DRL)	2019	
Ad hoc reviewer, Israel Science Fund	2019	
Review panel member, Institute for Education Sciences (IES), Early Intervention and Early		
Childhood Education	2015	
Ad hoc reviewer, Austrian Science Fund	2015	

CONFERENCE REVIEWER

Conference reviewer, Biennial Meeting of the Cognitive Development Society 2023 Conference reviewer, Biennial Meeting of the Cognitive Development Society 2019 Program committee member, 41st Annual Meeting of the Cognitive Science Society 2019 Conference reviewer, Society for Research on Child Development Biennial Meeting 2018 Program committee member, 40th Annual Meeting of the Cognitive Science Society 2018 Conference reviewer, Biennial Meeting of the Cognitive Development Society 2017 Program committee member, 38th Annual Meeting of the Cognitive Science Society 2016 Conference reviewer, Society for Research on Child Development Biennial Meeting 2012 Conference reviewer, Third Annual inter-Science of Learning Center (iSLC) Conference 2010

PROFESSIONAL AFFILIATIONS

2018-present
2013-present
2009-present
2009-present
2009-2022

PROFESSIONAL POSITIONS HELD

Consultant, Oliver Wyman

2005-2007