

David Menendez

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EDUCATION

Ph.D. in Psychology, 2022 expected
M.S. in Psychology, 2017
University of Wisconsin- Madison

Thesis: *Variability and Biology*
Advisors: *Dr. Martha W. Alibali and Dr. Karl S. Rosengren*

B.A. in Psychology, Honors in Psychology, Graduated with distinctions 2016
University of Wisconsin- Madison

Honors Thesis: *Representational Richness and Learning about Biological Change*
Supervisors: *Dr. Martha W. Alibali and Dr. Karl S. Rosengren*

A.A in Psychology, Highest honors 2014
Miami Dade College, Miami, Florida

HONORS AND AWARDS

2019	Psychology Department Distinguished Service Award (\$1000)
2019	Student Research Travel Grant (\$1200)
2019	Hertz travel award (\$850)
2018	Peter Pufall Travel Award for Emerging Scholars (\$400 + complementary registration for the 2018 Jean Piaget Society Conference)
2018	Hertz travel award (\$1000)
2017- 2020	IES Interdisciplinary Training Program in the Education Sciences Entry Fellowship
2017	APS Travel Assistance Award (\$200 + complementary registration the 28th APS Annual Convention)
2017	Hertz travel award (\$750)
2017	Menzies (\$500)
2016- 2017	University Fellowship
2016	Undergraduate Research Scholar Award (\$1,000)
2015	Undergraduate Thesis Award (\$1,000)
2014	Peter Masiko Jr. Scholarship (\$1,000)

PROFESSIONAL EXPERIENCE AND SERVICE

Consulting Reviewer:

Monographs for the Society of Research in Child Development
Journal of Experimental Child Psychology
Journal of Experimental Psychology: General
Journal of Genetic Psychology
Death Studies
Journal of Cognition and Development
CBE-Life Science Education

Departmental service:

Psychology Colloquium Series Committee:

Member	2016- 2017
Treasurer	2017-2018
Chair	2018-2019

Departmental Climate and Diversity Committee:

Member	2017-2018
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TEACHING EXPERIENCE**Teaching Assistant**

Fall 2019: Psych 610: Statistical Analysis of Psychological Experiments

Spring 2020: Psych 710: Design and Analysis of Psychological Experiments

Guest Lectures

Spring 2020: Introduction to Bayesian Statistics (Psych 710)

Spring 2020: Conceptual Development (Psych 502)

RESEARCH FOCUS

My research focuses on how children and adults obtain biological knowledge in both formal and informal learning environments. I have examined how children and adults understand important biological concepts such as death, metamorphosis and evolution. I am also interested in how visual representations influence students' learning and generalization in informal (e.g., parental conversations) and formal (biology lessons) learning events.

PUBLICATIONS

* Authors contributed equally to the work

° Represent undergraduate student author

Menendez, D., Mathiaparanam, O. N., Liu, D., °Seitz, V. C., Alibali, M. W., & Rosengren, K. S. (2020). Representing variability: The case of life cycle diagrams. *CBE-Life Science Education*, 19, ar49. doi: <https://doi.org/10.1187/cbe.19-11-0251>

°Peters, D., **Menendez, D.** & Rosengren, K. S. (2020). Reframing mental illness: The role of essentialism on stigmatization and perceived treatment efficacy. *Memory & Cognition*. doi: <https://doi.org/10.3758/s13421-020-01061-1>

- Menendez, D.**, Rosengren, K. S., & Alibali, M. W. (2020). Do details bug you? Effects of perceptual richness in biological reasoning. *Applied Cognitive Psychology*, 34, 1101–1117. doi: <https://doi.org/10.1002/acp.3698>
- ***Menendez, D.**, *Jiang, M. J., °Edwards, K. M., Rosengren, K. S., & Alibali, M. W. (2020). Evaluating and communicating about the healthiness of foods: Predictors of parents' judgments and parent-child conversations. *Cognitive Development*, 55, 1- 17. doi: <https://doi.org/10.1016/j.cogdev.2020.100913>
- Menendez, D.**, Hernandez, I. G., & Rosengren, K. S. (2020). Children's emerging understanding of death. *Child Development Perspectives*, 14, 55-60. doi: <https://doi.org/10.1111/cdep.12357>
- Gutierrez, I. T., **Menendez, D.**, Jiang, M. J., Hernandez, I. G., Miller, P., & Rosengren, K. S. (2019). Embracing death: Mexican parent and child perspectives on death. *Child Development*, 91, e491-e511. doi: <https://doi.org/10.1111/cdev.13263>
- Brown, S. A., **Menendez, D.**, & Alibali, M. W. (2019). Strategy Adoption Depends on Characteristics of the Instruction, Learner, and Strategy. *Cognitive Research: Principles and Implications*, 4, 1-18. doi: <https://doi.org/10.1186/s41235-019-0158-3>
- Martinčeková, L., Jiang, M. J., °Adams, J., **Menendez, D.**, Hernandez, I. G., °Barber, G., & Rosengren, K. S. (2020). Do you remember being told what happened to grandma? The Role of early socialization on coping and bereavement. *Death Studies*, 44, 78-88. doi: <https://doi.org/10.1080/07481187.2018.1522386>
- Alibali, M. W., Brown, S. A., & **Menendez, D.** (2019). Understanding strategy change: Contextual, individual, and metacognitive factors. *Advances in Child Development and Behavior*, 56, 227-256. doi: <https://doi.org/10.1016/bs.acdb.2018.11.004>
- French, J. A., **Menendez, D.**, Herrmann, P. A., Evans, E. M., & Rosengren, K. S. (2018). Cognitive constraints on understanding lifespan changes. *Journal of Experimental Child Psychology*, 173, 205-221. doi: <https://doi.org/10.1016/j.jecp.2018.03.018>
- Rosengren, K. S., Jiang, M. J., Kalish, C. W., **Menendez, D.**, & Hernandez, I. G. (2018). Commentary: What heals and why? Children's understanding of medical treatments. *Monographs of the Society for Research in Child Development*, 83, 175-183. doi: <https://doi.org/10.1111/mono.12370>
- Benjet, C., **Menendez, D.**, Albor, Y., Borges, G., Orozco, R., & Medina-Mora, M. E. (2017). Adolescent predictors of incidence and persistence of suicide related outcomes in young adulthood: A longitudinal study of Mexican Youth. *Suicide and Life-Threatening Behavior*, 48, 755-766. doi: <https://doi.org/10.1111/sltb.12397>
- Borges, G., Benjet, C., Orozco, R., Medina-Mora, M. E., & **Menendez, D.** (2017). Alcohol, cannabis and other drugs and subsequent suicide ideation and attempt among young Mexicans. *Journal of Psychiatric Research*, 91, 74-82. doi: <https://doi.org/10.1016/j.jpsychires.2017.02.025>

CONFERENCE PROCEEDINGS

- Menendez, D.,** Alibali, M. W., & Rosengren, K. S. (2018). Effects of priming variability on adults learning about metamorphosis. In C. Kalish, M. Rau, T. Rogers, and J. Zhu (Eds.), *Proceedings of the 40th Annual Conference of the Cognitive Science Society* (pp.2102-2107). Austin, TX: Cognitive Science Society.
- Brown, S. A., **Menendez, D.,** & Alibali, M. W. (2018). How do people evaluate problem-solving strategies? Efficiency and intuitiveness matter. In C. Kalish, M. Rau, T. Rogers, and J. Zhu (Eds.), *Proceedings of the 40th Annual Conference of the Cognitive Science Society* (pp. 1414-1419). Austin, TX: Cognitive Science Society.

MANUSCRIPTS UNDER REVIEW

- °Bridgewater, E., **Menendez, D.,** & Rosengren, K. S. (under review). Capturing death in animated films: Can films stimulate parent-child conversations about death?
- Hernandez, I. G., **Menendez, D.,** °Seitz, V., °Pinto-Pro, I., °Zeitler, M. H., & Rosengren, K. S. (under review). Parent-Child Conversations of Germ and Cold Weather Theories of the Common Cold in Two Cultures.
- Menendez, D.,** Klapper, R. E., °Mandel, A. R., °Nicholas, K. A., °Schapfel, M. H., °Silsby, O. O., °Sowers, K. A., °Sumanthiran, D., °Welch, V. E., & Rosengren, K. S. (under review). “When will it be over?” U.S. Children’s Questions and Parents’ Responses about the COVID-19 Pandemic

MANUSCRIPTS IN PREPARATION

- Menendez, D.,** Rosengren, K. S., & Alibali, M. W. (in preparation). Detailed bugs or bugging details: Perceptual richness influences biological reasoning in late but not in early elementary school.
- Menendez, D.,** Alibali, M. W., & Rosengren, K. S. (in preparation). Effects of priming variability on children’s biological reasoning.
- Menendez, D.,** Mathiaparanam, O. N., °Seitz, V., Liu, D., Kalish, C. W., Rosengren, K. S., & Alibali, M. W. (in preparation). Like Mother, Like Daughter: Adults’ Judgments about Genetic Inheritance.
- Menendez, D.,** °Halama, S. R., Hernandez, I. G., °Hassett, R., °Johnson, T. M., °Koshevatskiy, N. J., °Haugstad, N., & Rosengren, K. S. (in preparation). Cognition in Action: The relation between physical and mental paper folding in young children.

PRESENTATIONS AND INVITED TALKS

Invited Talks

2019 Developmental Psychology Brown Bag, University of Rochester

Conference Talks

- Menendez, D.**, Bridgewater, E., & Rosengren, K. S. (June, 2020). *Death in Films: Parents' attitudes and children's questions*. In G. Panagiotaki (Chair) "Children's understanding of death: Parental, media and cultural influences." Talk presented at the 26th Biennial Meeting of the International Society for the Study of Behavioral Development, Rhodes, Greece. [Cancelled due to COVID-19]
- Menendez, D.**, & Rosengren, K. S. (April, 2019). *Visual Representations in Children and Adults' Understanding of Metamorphosis*. In A. N. Bartel (Chair) "Probing Students' Understanding with Differing External Representations." Talk presented at the Annual Meeting of the American Education Research Association, Toronto, Canada.
- Menendez, D.**, Rosengren, K. S., & Alibali, M. W. (April, 2019). *Effects of Priming Variability on Children's Endorsement of Metamorphosis and Evolution*. In S. Ronfard (Chair) "The Essence of Biological Categories: Factors Influencing Children's Sensitivity to Variability and Change." Talk presented at the Biennial meeting of the Society for Research in Child Development, Baltimore, MD.
- Rosengren, K. S., **Menendez, D.**, & Alibali, M. W. (May, 2018). *Effects of variability primes on learning about biological change*. In C. W. Kalish (Chair) "Learning with Variability." Talk presented at the Annual meeting of the Jean Piaget Society in Amsterdam, Netherlands.
- Rosengren, K. S., & **Menendez, D.** (January, 2017). *Looking for Essences: The Influence of Essentialist Beliefs on Real World Reasoning*. Invited symposium discussion at the 12th Biennial conference of Society for Applied Research in Memory and Cognition, Sydney, Australia.

Posters

- Menendez, D.**, Johnson, T. M., Hassett, R., Haut, A., Mathiapparanam, O. N., Alibali, M. W., & Rosengren, K. S. (July, 2020). Characteristics of visualizations and texts in elementary school biology books.
- Menendez, D.**, Meredith, L., & Alibali, M. W. (June, 2020). Needing some space: Perceptual support influences encoding of the equal sign. [Cancelled due to COVID-19]
- Menendez, D.**, Ou, L., Yudelso, M. V., & Simmering, V. R. (October, 2019). *Inter-relatedness of pre-algebraic knowledge among middle school children*. Poster presented at the Cognitive Development Society Bi-Ennial Conference in Louisville, KY.
- Menendez, D.**, Ou, L., Yudelso, M. V., & Simmering, V. R. (October, 2019). *Inter-relatedness of pre-algebraic knowledge among middle school children*. Poster presented at ETCPS in Iowa City, IA.
- Bartel, A.N., Donovan A.M., **Menendez, D.**, Brown, S.B., Hogseth, T., & Alibali, M.W. (June, 2019). *Investigating the Influence of Textual and Graphical Framing on Problem Solving Accuracy and Strategy Use*. Poster presented at the Mathematical Cognition and Learning Society, Ottawa, Canada.
- Menendez, D.**, Alibali, M. W., & Rosengren, K. S. (July, 2018). Effects of priming variability on adults learning about metamorphosis. Poster presented at the 40th Annual Conference of the Cognitive Science Society, Madison, WI.
- Menendez, D.**, Brown, S. A., & Alibali, M. W. (May, 2018). *Effects of exposure, feedback and need for cognition on strategy change*. Poster presented at the Annual meeting of the Jean Piaget Society in Amsterdam, Netherlands.

- Menendez, D.,** Alibali, M. W., & Rosengren, K. S. (October, 2017). *Effects of priming variability on biological reasoning*. Poster presented at the Cognitive Development Society Bi-Ennial Conference in Portland, OR.
- Menendez, D.,** Brown, S. A., & Alibali, M. W. (July, 2017). *I'll do what she is doing: Promoting the adoption of new problem-solving strategies in undergraduates*. Poster presented at the 5th Annual Midwest Meeting on Mathematical Thinking, Minneapolis, MN.
- Menendez, D.,** Benjet, C., Borges, G., Albor, Y., Orozco, R., Medina-Mora, M. E. (May, 2017). *Adolescent Predictors of the Incidence of Suicide Related Outcomes in Young Adulthood*. Poster presented at the 28th APS Annual Convention, Boston, MA.
- Menendez, D.,** Rosengren, K. S., & Alibali, M. W. (April, 2017). *Do details bug you? Effects of Perceptual Richness in Biological Reasoning*. Poster presented at the Biennial meeting of the Society for Research in Child Development, Austin, TX.
- Menendez, D.,** Gutierrez, I. T., Jiang, M. J., & Rosengren, K. S. (May, 2016). *Embracing Death: Mexican Parent and Child Perspectives on Death*. Poster presented at the 28th APS Annual Convention, Chicago, IL.

MENTORSHIP

Katryn Hartfield	2016
Taylor Johnson	2016- 2018
Ashley Haut	2017- 2018
Erin Condon	2017- 2019
Ryan Hassett	2017- 2019
Enrica Bridgewater	Summer 2017, as part of the Psychology Research Experience Program
Danielle Peters	2017- 2018, senior honors thesis student
Nicholas Haugstad	2018
Madeline Glawe	2018- 2019
Nicole Koshevatskiy	2018- 2019
Kaitlin Edwards	2018- 2019
Michael Sullivan	2018- 2019
Sonja Vaintrub	2018- 2019
Gill Schomaker	2019- 2020
Vienne Seitz	2019- current
Kylie Robinson	2019- current
Jaclyn Psenka	2019- current
Xinyi Liu	2020- current
Jessa Snower	2020- current