Curriculum Vitae

ANDREA L. PATALANO

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# EDUCATION

**Ph.D., Cognitive Psychology, 1996,** University of Michigan, Ann Arbor

Thesis: Representation of pending goals in long-term memory (Chair: Dr. Colleen Seifert)

**M.A., Cognitive Psychology, 1992,** University of Michigan, Ann Arbor

Thesis: Memory for impasses in problem solving (Chair: Dr. Colleen Seifert)

**B.A. with Honors, Cognitive Science, 1990,** Brown University, Providence

Thesis: Developing mental models of electricity through analogy (Chair: Dr. Kathryn Spoehr)

## ACADEMIC APPOINTMENTS

Professor, Department of Psychology^, Wesleyan University, 2016-Present

Associate Professor, Department of Psychology^, Wesleyan University, 2008-2016

Assistant Professor, Department of Psychology^, Wesleyan University, 2002-2008

Research Associate, Beckman Institute, University of Illinois at Urbana-Champaign, 2000-2002

Research Associate, Institut National de le Santé et de la Recherche Médicale, Paris, 1999-2000

Assistant Professor, Department of Psychology, Ohio University, 1998-1999

Research Associate and Lecturer, University of Michigan, 1996-1998

^Also appointed in the Program in Neuroscience and Behavior

**HONORS, AWARDS, AND INTERNAL FUNDING**

Awarded Honorary Master of Arts, Wesleyan University, 2017

Funded Computational Postdoctoral Fellow Position, Wesleyan University, 2015-2018

Research Project Grant Awards, Wesleyan University, 2010, 2011, 2012, 2019

Department of Psychology Graduate Fellowship, University of Michigan, 1995-1996

Departmental Nomination for Rackham Graduate Award for Outstanding Teaching, 1994

National Science Foundation (NSF) Graduate Fellowship, 1991-1994

Apple Corporation and University of Michigan Instructional Software Award, 1991

Cognitive Science Award for Distinguished Research, Brown University, 1990

Sigma XI Scientific Honor Society, Brown University Chapter, 1990

**EXTERNAL FUNDING**

NSF ECR Award DRL-1920445 ($1,091,303 total awarded to Wesleyan), 2019-2022 (with no-cost extension through 2023): *Digit Dependence in Numerical Magnitude Judgments,* Co-PI (with Hilary Barth, Wesleyan)

NSF ECR Award DRL-1561214 ($1,101,456 total awarded to Wesleyan), 2016-2019 (with no-cost extension through 2022): *Collaborative Proposal: Foundations of Quantitative Thought: Number, Space, Time, and Probability* Co-PI (with Hilary Barth, Wesleyan, and Sara Cordes, Boston College)

**TEACHING INTERESTS**

Seminar topics include the cognitive psychology and neuroscience of judgment and decision making, categories and concepts, and reasoning and problem solving. Breadth topics include cognitive psychology, cognitive science, and cognitive neuroscience. Introductory methodology courses include research methods, statistics, and computer programming for psychology.

**INSTRUCTIONAL EXPERIENCE**

# Wesleyan University, 2002-Present

# Supervise undergraduate research assistants, honors theses, teaching apprentices, BA/MA students, and postdoctoral students, and teach (or have taught) the following courses: *Cognitive Psychology*, *Quantitative Research Methods*, *Statistics: An Activity Based Approach*, *Psychology of Thinking: Categories and Concepts*, *Psychology of Decision Making, Advanced Research in Decision Making, Cognitive Science Capstone*, *Advanced (Graduate) Seminar in Psychology*.

# Ohio University, 1998-1999

Taught undergraduate *Human Learning and Cognitive Processes*, *Psychology of Thinking*, and *Judgment and Decision Making.* Supervised undergraduate research projects and served on MA and PhD thesis committees.

# University of Michigan, 1996-1998

Taught undergraduate *Cognitive Psychology*, *Psychology of Thinking*, and *Learning and Memory,* and graduate *Proseminar in Psychology* and *Learning and Memory*. Created and evaluated multimedia instructional software for cognitive psychology courses. Supervised undergraduate research projects.

## Brown University, 1989-1990

Served as teaching assistant for *Psychology of Reasoning and Decision Making*.Conducted research developing and evaluating computer-based approaches to the teaching of physics through analogy.

**RESEARCH INTERESTS**

Cognitive psychology of thinking; decision making and indecisiveness; use of numbers in decision making; concepts and categorization; planning and goal representation; individual differences and thinking across the life span. Empirical studies focus on behavioral methods with adults but also include cognitive neuroscience methods and diverse (e.g., cross cultural, age) populations.

**MANUSCRIPTS**

## Wesleyan undergraduates and BA/MA students are italicized.

## Post-baccalaureate lab coordinators and postdoctoral students have ^.

**Manuscripts In Preparation**

*Gwiazda, G., Bondhus, C.,* Kayton^, K., Barth, H., & Patalano, A. L. (in preparation). Knowing about the left digit effect in number line estimation does not reduce the effect.

Patalano, A. L., Kayton^, K., Vaidya^, L., & Barth, H. (in preparation). One-month test-retest reliability of the left digit effect in a number line estimation task.

Vaidya^, L., Eisen^, S., Zax^, A., Williams^, K., Patalano, A. L., & Barth, H. (manuscript completed). Left digit effects in number line estimation are robust across task format.

**Manuscripts Under Review**

Kayton^, K., *Fischer, G.,* Barth, H., & Patalano, A. L. (under review). The left digit effect in an unbounded number line task.

Williams^, K., Xing^, C., *Bradley, K.,* Barth, H., & Patalano, A. L. (under revision). Potential moderators of the left digit effect in numerical estimation.

# PUBLICATIONS

## Peer Reviewed Journal Articles

Patalano, A. L., Kayton^, K., & Barth, H. (in press, 2023). Modeling the left digit effect in adult number line estimation. *Cognition.*

Kayton^, K., Williams^, K., *Stenbaek, C*., *Gwiazda, G*., *Bondhus, C*., *Green, J*., *Fischer, G*., Barth, H., & Patalano, A. L. (2022). Summary accuracy feedback in number line estimation does not reduce the left digit effect. *Memory & Cognition, 50*, 1789-1803*.*

Williams^, K., Zax^, A., Patalano, A. L., & Barth, H. (2022). Left digit effects in numerical estimation across development. *Journal of Cognition and Development, 23,* 188-209*.*

Patalano, A. L., Williams^, K., *Weeks, G.,* Kayton^, K., & Barth, H. (2022). The left digit effect in a complex judgment task: Evaluating hypothetical college applicants. *Journal of Behavioral Decision Making, 35*(1),e2247*.*

Williams^, K., *Paul, J.,* Zax^, A., Barth, H., & Patalano, A. L. (2020). Number line estimation and standardized test performance: The left digit effect does not predict SAT math score. *Brain and Behavior,* 00:e01877.

Williams^, K., Zax^, A., *Reichelson, S.,* Patalano, A. L., & Barth, H. (2020). Developmental change in partition dependent resource allocation behavior. *Memory & Cognition, 48,* 1007-1014.

Patalano, A. L., *Lolli, S.,* & Sanislow, C. (2020). Brief report on the relationship between temporal discount rate and error related negativity for immediate versus future choice options. *International Journal of Psychophysiology, 151.* 1-6.

Patalano, A. L.,Zax^, A., Williams^, K., *Mathias, L.,* Cordes, S., & Barth, H. (2020). Intuitive symbolic magnitude judgments and decision making under risk in adults. *Cognitive Psychology, 118,* 101273 (14 pp).

Zax^, A., Williams^, K., Patalano, A., Slusser^, E., Cordes, S., & Barth, H. (2019). What do biased estimates tell us about cognitive processing? Intuitive proportional reasoning in spatial judgments. *Journal of Cognition and Development, 20,* 702-728.

Xing^, C., *Paul, J.,* Zax^, A., Cordes, S., Barth, H., & Patalano, A. L. (2019). Probability range and probability distortion in a gambling task. *Acta Psychologica, 197,* 39-51*.*

*Reichelson, S.,* Zax^, A., Patalano, A. L., & Barth, H. (2019). Partition dependence in development: Are decisions shaped by the arbitrary grouping of options? *Quarterly Journal of Experimental Psychology, 72,* 1029-1036*.*

Patalano, A. L., *Lolli, S.,* & Sanislow, C. (2018). Gratitude intervention modulates P3 activity in a temporal discounting task. *International Journal of Psychophysiology, 133,* 202-210*.*

*Reichelson, S.,* Zax^, A., *Bass, I.,* Patalano, A. L., & Barth, H. (2018). Partition dependence in consumer choice: Perceptual partitions do not reliably shape decisions. *Psychonomic Bulletin & Review, 25,* 1178-1183.

Schug^, M., Shusterman, A., Barth, H., & Patalano, A. L. (2016). Early group bias in the Faroe Islands: Cross-cultural variation in children’s group-based reasoning. *Quarterly Journal of Experimental Psychology, 69,* 1741-1751*.*

Patalano, A. L., *Saltiel, J. R., Machlin, L.,* & Barth, H. (2015). The role of numeracy and approximate number system acuity in predicting value and probability distortion. *Psychonomic Bulletin & Review, 22,* 1820-1829*.*

Patalano, A. L., *Weizenbaum, E. L., Lolli, S. L., & Anderson, A.* (2015). Maximization and search for alternatives in decision situations with and without loss of options. *Journal of Behavioral Decision Making, 8,* 411-423*.*

Schug^, M. G., Shusterman, A., Barth, H., & Patalano, A. L. (2013). Minimal group membership influences children’s responses to novel experience with group members. *Developmental Science, 16,* 47-55.

Patalano, A. L., & *LeClair, Z.* (2011). The influence of group decision making on indecisiveness-related decisional confidence. *Judgment and Decision Making, 6,* 163-175.

Patalano, A. L., Juhasz, B. J., & *Dicke, J.* (2010). The relationship between indecisiveness and eye fixations in a decision-related informational search task. *Journal of Behavioral Decision Making, 23,* 353-368*.*

Patalano, A. L., *Wengrovitz, S. M.,* & *Sharpes, K.* *M.* (2009). The influence of category coherence on inference about cross-classified entities. *Memory & Cognition, 37,* 21-28.

*Duncan, S. D., Wengrovitz, S. M., Sedlovskaya, A.,* & Patalano, A. L. (2007). Weighing waiting: The influence of information certainty and delay penalty on waiting behavior. *Judgment and Decision Making, 2,* 351-358.

Patalano, A. L., & *Wengrovitz, S. M.* (2007). Indecisiveness and response to risk in deciding when to decide. *Journal of Behavioral Decision Making, 20,* 405-424.

Patalano, A. L., & Ross, B. H. (2007). The role of category coherence in experience-based prediction. *Psychonomic Bulletin and Review, 14,* 629-634.

Patalano, A. L., & *Wengrovitz, S. M.* (2006). Cross-cultural exploration of the Indecisiveness Scale: A comparison of Chinese and American men and women. *Personality and Individual Differences, 41,* 813-824.

Patalano, A. L., Chin-Parker, S., & Ross, B. H. (2006). The importance of being coherent: Category coherence, cross-classification, and reasoning. *Journal of Memory and Language, 54,* 407-424*.*

Hauser, M. D., Dehaene, S., Dehaene-Lambertz, G., & Patalano, A. L. (2002). Spontaneous number discrimination of multi-format auditory stimuli in cotton-top tamarins (*Saguinus oedipus)*. *Cognition, 86,* B23-B32.

Patalano, A. L., Smith, E. E., Jonides, J., & Koeppe, R. (2001). PET evidence for multiple strategies of categorization. *Journal of Cognitive, Affective, and Behavioral Neuroscience, 1,* 360-370*.*

Seifert, C. M., & Patalano, A. L. (2001). Opportunism in memory: Preparing for chance encounters. *Current Directions in Psychological Science, 10,* 198-201.

Reed, J. M., Squire, L. R., Patalano, A. L., Smith, E. E., & Jonides, J. (1999). Learning about categories that are defined by object-like stimuli despite impaired declarative memory. *Behavioral Neuroscience, 113,* 1-9.

Yates, J. F., Lee, J. W., Shinotsuka, H., Patalano, A. L., & Sieck, W. (1998). Cross-cultural variations in probability judgment accuracy: Beyond general knowledge overconfidence? *Organizational Behavior and Human Decision Processes, 74,* 89-117.

Smith, E. E., Patalano, A. L., & Jonides, J. (1998). Alternative strategies of categorization. *Cognition, 65,* 167-196*.*

Patalano, A. L., & Seifert, C. M. (1997). Opportunistic planning: Being reminded of pending goals. *Cognitive Psychology, 34,* 1-36*.*

Patalano, A. L., & Seifert, C. M. (1994). Memory for impasses in problem solving. *Memory & Cognition, 22,* 234-242.

**Commentaries**

Barth, H., Cordes, S., & Patalano, A. L. (2018). Suboptimality in perceptual decision making and beyond [Peer commentary on “Suboptimality in perceptual decision making” by D. Rahnev & R. N. Denison]. *Behavioral and Brain Sciences*, *41,* e225.

**Refereed Conference Proceedings**

Patalano, A. L., Ross, B. H., & Chin-Parker, S. (2003). The role of coherence in category-based explanation. In *Proceedings of the Twenty-Fifth Annual Conference of the Cognitive Science Society* [refereed](pp. 910-915). Mahwah, NJ: Erlbaum.

Patalano, A. L., Seifert, C. M., & Hammond, K. J. (1993). Predictive encoding: Recognizing opportunities. In *Proceedings of the Fifteenth Annual Conference of the Cognitive Science Society* [refereed] (pp. 800-805). Mahwah, NJ: Erlbaum.

Seifert, C. M., & Patalano, A. L. (1991). Memory for incomplete tasks: A re-examination of the Zeigarnik effect. In *Proceedings of the Thirteenth Annual Conference of the Cognitive Science Society* [refereed](pp. 114-119). Mahwah, NJ: Erlbaum.

**Book Chapters**

Patalano, A. L. (2006). Inductive reasoning. In N. Salkind (Ed.), *Encyclopedia of Human Development* (pp. 695-696). Thousand Oaks, CA: Sage Publications.

Yates, J. F., Veinott, E., & Patalano, A. L. (2003). Hard decisions, bad decisions: On decision quality and decision aiding. In S. Schneider, & J. Shanteau (Eds.), *Emerging Perspectives in Judgment and Decision Research* (pp. 13-63)*.* New York: Cambridge University Press.

Yates, J. F., & Patalano, A. L. (1999). Decision making and aging. In D. Park, R. Morrell, & K. Shifren (Eds.), *Processing of medical information in aging patients: Cognitive and human factors perspectives* (pp. 31-54)*.*  Mahwah, NJ: Erlbaum.

Seifert, C. M., Patalano, A. L., Hammond, K. J., & Converse, T. M. (1997). Experience and expertise: The role of memory in planning for opportunities. In P. J. Feltovich, K. M. Ford, & R. R. Hoffman (Eds.), *Expertise in context* (pp. 101-123)*.* Menlo Park, CA: AAAI Press/ MIT Press.

Jonides, J., Reuter-Lorenz, P. A., Smith, E. E., Awh, E., Barnes, L. L., Drain, M., Glass, J., Lauber, E. J., Patalano, A. L., & Schumacher, E. (1996). Verbal and spatial working memory in humans. In D. L. Medin (Ed.), *The Psychology of Learning and Motivation* (Vol. 35, pp. 165-192). New York: Academic Press.

Seifert, C. M., Meyer, D. E., Davidson, N., Patalano, A. L., & Yaniv, I. (1994). Demystification of cognitive insight: Opportunistic assimilation and the prepared-mind hypothesis. In R. Sternberg, & J. Davidson (Eds.), *The nature of insight* (pp. 65-124). Cambridge, MA: MIT Press.

# Electronic Publications

Patalano, A. L., Ross, B. H., & Chin-Parker, S. (2004). Category coherence and category-based explanation. Invited publication in *PsychExtra*: Online database of the American Psychological Association.

**CONFERENCE PRESENTATIONS**

Patalano, A. L., Kayton^, K., & Barth, H. (submitted for 2023, March). *Modeling the left digit effect in number line estimation.* Poster submitted to the International Conference of Psychological Science, Brussels, Belgium.

*Gwiazda, G., Bondhus, C.,* Kayton^, K., Barth, H., & Patalano, A. L. (2022, November). *Telling people about the left digit effect in number line estimation does not reduce the effect.* Poster presented at the Annual Meeting of the Psychonomic Society, Boston, MA.

Kayton^, K., *Fischer, G.,* Barth, H., & Patalano, A. L. (2022, November). *The left digit effect in an unbounded number line task.* Poster presented at the Annual Meeting of the Psychonomic Society, Boston, MA.

Kayton^, K., *Mittal, P.,* Barth, H., & Patalano, A. L. (2022, November). *Influence of benchmarks on the left digit effect in number line estimation****.*** Poster presented at the Annual Meeting of the Psychonomic Society, Boston, MA.

*Delgado, S., Hammond, S., Hsu, R., Hu, J., Litts, C., Pordy, J., Soans, S.,* Vaidya^, L., *Wolk, A.,* Patalano, A. L., & Barth, H. (2022, November). *The influence of leading zeros on the left digit effect in number line estimation.* Poster presented at the Annual Meeting of the Psychonomic Society, Boston, MA.

Vaidya^, L., Kayton^, K., Barth, H., & Patalano, A. L. (2021, November). *Test-retest reliability of the left digit effect in number line estimation.* Poster presented at the Annual Meeting of the Psychonomic Society (virtual presentation).

Vaidya^, L., *Barragan, L., Delgado, S., Hammond, S., Litts, C., Montano, C., Newman, E., Ohiomah, S. A., Wolk,* Eisen^, S.,Patalano, A. L., & Barth, H. (2021, November). *Left digit effect in atypical number line estimation.* Poster presented at the Annual Meeting of the Psychonomic Society (virtual presentation).

*Bondhus, C.,* *Gwiazda, G*., Williams^, K., Kayton^, K., Barth, H., & Patalano, A. L. (2021, November). *Trial-based predictors of the left digit effect in number line estimation.* Poster presented at the Annual Meeting of the Psychonomic Society (virtual presentation).

*Gwiazda, G*., *Bondhus, C.,* Kayton^, K., Barth, H., & Patalano, A. L. (2021, May). *Telling people about the left digit effect in number line estimation does not reduce the effect.* Poster presented at the Annual Meeting of the Association for Psychological Science (virtual presentation).

Williams^, K., Kayton^, K., *Stenbaek, C.*, *Green, J*., *Fischer, G*., Barth, H., & Patalano, A. L. (2021, May). *Competitive summary feedback improves number line estimation accuracy but does not reduce the left digit effect.* Poster presented at the Annual Meeting of the Association for Psychological Science (virtual presentation).

Vaidya^, L., Eisen^, S., *Barragan, L., Montano, C., Ohiomah, S. A. Wolk, S.,* Patalano, A. L., & Barth, H. (2021, April). *Left digit effect in atypical number line estimation.* Poster presented at the Biennial Meeting of the Society for Research in Child Development (virtual presentation).

Hildebrand, L., Barth, H., Patalano, A. L., & Cordes, S. (2020, November). *Central tendency effects in children’s and adults’ magnitude estimates.* Poster presented at the Annual Meeting of the Psychonomic Society, Austin, TX (virtual presentation).

*Stenbaek, C.,* Williams^, K., Barth, H., & Patalano, A. L. (2020, November). *Summary accuracy feedback does not reduce the left digit effect in number line estimation.* Poster presented at the Annual Meeting of the Psychonomic Society, Austin, TX (virtual presentation).

*Weeks, G.,* Williams^, K., Barth, H., & Patalano, A. L. (2020, November). *The left digit effect in a complex judgment task: Evaluating hypothetical college applicants.* Poster presented at the Annual Meeting of the Psychonomic Society, Austin, TX (virtual presentation).

*Vasquez, K.,* Williams^, K., Patalano, A. L., & Barth, H. (2020, March). *Partition dependence in preschool years: Evidence from a single choice task.* Poster presented at the Annual Meeting of the Eastern Psychological Association, Boston, MA.

Hildebrand, L., Barth, H., Patalano, A. L., & Cordes, S. (2019, October). *Context effects in children’s numerical and temporal estimation.* Poster presented at the Annual Meeting of the Cognitive Development Society, Louisville, KY.

*Bradley, K.,* Williams^, K., Barth, H., & Patalano A. L. (2019, November). *Accuracy feedback does not reduce the left digit effect in number line estimation.* Poster presented at the Annual Meeting of the Psychonomic Society, Montreal, Canada.

*Neil, J.,* Williams^, K., & Patalano, A. L. (2019, November). *Indecisiveness is associated with reduced coherence shifting in decision making.* Poster presented at the Annual Meeting of the Psychonomic Society, Montreal, Canada.

Xing^, C., Zax^, A., *Paul, J.,* Cordes, S., Barth, H., & Patalano, A. L. (2018, November). *Reevaluating the role of context in probability distortion.*  Posterpresented at the Annual Meeting of the Psychonomic Society, New Orleans, LA.

*Segal, L. R. W.,* *Lolli, S. L.,* Patalano, A. L., & Sanislow, C. A. (2018, November). *Induced gratitude, indecisiveness, and P3 amplitude in an auditory oddball task.* Poster presented at the Annual Meeting of the Psychonomic Society, New Orleans, LA.

*Reichelson, S.,* Zax^, A., Williams^, K., Patalano, A. L., & Barth, H. C. (2018, November). *Partition dependence in children's and adults’ resource allocation decisions.* Poster presented at the Annual Meeting of the Psychonomic Society, New Orleans, LA.

*Paul, J.,* Williams^, K., Zax^, A., Patalano, A. L., & Barth, H. (2018, November). *Individual differences in number line estimation performance: The left digit effect and standardized test scores.* Poster presented at the Annual Meeting of the Psychonomic Society, New Orleans, LA.

Xing^, C., Zax^, A., *Paul, J.,* Cordes, S., Barth, H., & Patalano, A. L. (2017, November). *The role of context and numeracy in probability distortion.* Poster presented at the Annual Meeting of the Psychonomic Society, Vancouver, Canada.

*Lolli, S. L.,* Patalano, A. L., & Sanislow, C. A. (2017, November). *Gratitude intervention modulates P3 amplitude in a temporal discounting task.* Poster presented at the Annual Meeting of the Society for Judgment and Decision Making, Vancouver, Canada.

*Mathias, L., &* Patalano, A. L.(2017, May). *Indecisiveness-related thoroughness does not extend to a divergent thinking task*. Poster presented at the Annual Meeting of the Association for Psychological Science, Boston, MA.

*Reichelson, S.,*Zax^, A., *Bass, I.,* Patalano, A., & Barth, H. (2017, April). *Partition dependence in children’s and adults’ decision making.* Poster presented at the Biennial Meeting of the Society for Research in Child Development, Austin, TX.

*Reichelson, S.,* Zax^, A., Barth,H., *Bass, I., &* Patalano, A. (2016, November). *Does the arbitrary grouping of physical options influence children’s and adults’ choices?* Poster presented at the Annual Meeting of the Psychonomic Society, Boston, MA.

*Reichelson, S.,* Barth,H., *Bass, I., Taggart, J., Zax, A., Lesser, E., &* Patalano, A. (2016, March). *Does the arbitrary grouping of physical options influence children’s and adults’ choices?* Poster presented at the Annual Meeting of the Eastern Psychological Association, New York, NY.

*Lolli, S. L., Rojek, A. J., Wong, S., Gelly, B.,* & Patalano, A. L. (2015, November). *Maximizing tendency predicts stopping behavior in sequential search with accept-reject options.* Poster presented at the Annual Meeting of the Society for Judgment and Decision Making, Chicago, IL.

Patalano, A. L., *Weizenbaum, E. L.,* *Lolli, S. L.,* & *Anderson, A.* (2015, March). *Maximization and search for alternatives in decision situations with and without loss of options.* Poster presented at the International Convention of Psychological Science, Amsterdam, Netherlands.

Patalano, A. L., *& Lolli, S.* *L.* (2014, November). *Maximization tendency and curtailed alternative search behavior.* Poster presented at the Annual Meeting of the Society for Judgment and Decision Making, Long Beach, CA.

Patalano, A. L., *Weizenbaum, E. L.,* & *Anderson, A.* (2013, November). *The relationship between components of maximization and information search behavior.* Poster presented at the Annual Meeting of the Society for Judgment and Decision Making, Toronto, Canada.

Patalano, A. L., Barth, H., *Saltiel, J. R., Kaplan, L., & Machlin, L.* (2012, November). *Individual probability weighting patterns over time and across probability formats.* Poster presented at the Annual Meeting of the Society for Judgment and Decision Making, Minneapolis, MN.

Schug^, M. G., Shusterman, A., Barth, H., & Patalano, A. L. (2011, March). *Early group bias and cultural context: Minimal group membership influences information processing in two societies.* Poster presented at the Society for Research in Child Development, Montreal, Canada.

Patalano, A. L., Juhasz, B. J., & *Dicke, J.* (2009, November). *The relationship between indecisiveness and eye fixations in a decision-related informational search task.* Poster presented at the Annual Meeting of the Psychonomic Society, Boston, MA.

Schug^, M. G., Shusterman, A., Barth, H., Patalano, A. L., *Herrig, E.,* & *MacDonald, K.* (2009, October). *Group bias, statistical reasoning, and social judgments.* Poster presented at the Biennial Meeting of the Cognitive Development Society, San Antonio, TX.

Schug^, M. G., Barth, H., Shusterman, A., & Patalano, A. L. (2009, May). *Group bias, statistical reasoning, and social judgments in early childhood.* Poster presented at the Human Behavior & Evolution Society, Fullerton, CA.

*Duncan, S. M., Wengrovitz, S. M., Sedlovskaya, A.,* & Patalano, A. L. (2007, May). *Weighing waiting: Information instrumentality, risk, and cost influence waiting behavior.* Poster presented at the Annual Meeting of the American Psychological Society, Washington, DC.

*Wengrovitz, S. M.,* & Patalano, A. L. (2007, May). *Deciding when to decide: The effects of conflict and risk on choice deferral.* Poster presented at the Annual Meeting of the American Psychological Society, Washington, DC.

*Wengrovitz, S. M.,* & Patalano, A. L. (2005, November). *A cross-cultural exploration of indecisiveness.* Poster presented at the Annual Meeting of the Society for Judgment and Decision Making, Toronto, Canada.

Ross, B. H., Patalano, A. L., & Chin-Parker, S, (2004, November). *The influence of category coherence on generalization and explanation.* Paper presented at the Annual Meeting of the Psychonomic Society, Minneapolis, MN.

Ross, B. H., & Patalano, A. L. (2002, November). *Category-based inference from cross-categorized items.* Paper presented at the Annual Meeting of the Psychonomic Society, Kansas City, MO.

Patalano, A. L., & Ross, B. H. (2002, June). *The role of coherence in reasoning about individuals belonging to multiple categories.* Paper presented at the Annual Meeting of the American Psychological Society, New Orleans, LA.

James, N., Smith, E. E., Patalano, A. L., Bozoki, A., & Talaska, C. (2001, June). *Category learning in Alzheimer’s disease and normal aging.* Poster presented at the Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA.

Veinott, E. S., Patalano, A. L., & Yates, J. F. (1999, August). *Salient dimensions in the representation of everyday decisions.* Poster presented at the Annual Meeting of the Cognitive Science Society, Vancouver, Canada.

Yates, J. F., Veinott, E. S., & Patalano, A. L. (1998, June). *Conceptions of decision quality – And why they matter.* Paper presented at the Behavioral Decision Research Meeting, Miami, FL.

Patalano, A. L., & Yates, J. F. (1997, November). *Individual differences in decision problem representation.* Poster presented at the Annual Meeting of the Psychonomic Society, Philadelphia, PA.

Patalano, A. L., Smith, E. E., Jonides, J., & Koeppe, R. A. (1997, August). *PET evidence for multiple strategies of categorization.* Symposium presentationat the Nineteenth Conference of the Cognitive Science Society, Stanford, CA.

Yates, J. F., & Patalano, A. L. (1997, March). *Decision making and aging.* Paper presented at the Aging and Medical Decision Making Conference, Destin, FL.

Patalano, A. L., & Seifert, C. M. (1996, November). *Predictive encoding of plans facilitates recognizing opportunities.* Paper presented at the Annual Meeting of the Psychonomic Society, Chicago, IL.

Patalano, A. L., Seymour, T. L., & Seifert, C. M. (1996, August). *Opportunistic planning: The influence of abstract features on reminding* [Summary]. In Proceedings of the Eighteenth Conference of the Cognitive Science Society (p. 824),San Diego, CA.

Patalano, A. L., Smith, E. E., Jonides, J., & Koeppe, R. A. (1996, March). *PET evidence for distinct rule- vs. exemplar-based categorization processes.* Poster presented at the Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA.

Seymour, T. L., Patalano, A. L., & Seifert, C. M. (1996, August). *The role of context in recognizing opportunities: An empirical test of planning within a virtual environment* [Summary]. In Proceedings of the Eighteenth Conference of the Cognitive Science Society(p. 839), San Diego, CA.

Smith, E. E., Patalano, A. L., Jonides, J., & Koeppe, R. A. (1996, November). *PET evidence for different categorization mechanisms.* Paper presented at the Annual Meeting of the Psychonomic Society, Chicago, IL.

Yates, J. F., Lee, J. W., Shinotsuka, H., & Patalano, A. L. (1996, November). *Cross-national variations in probability judgment: Generality and contributors.* Paper presented at the Annual Meeting of the Psychonomic Society, Chicago, IL.

**INVITED PRESENTATIONS**

*Temporal Discounting and Gratitude: Talk in Honor of J. F. Yates.*

Michigan Decision Conference in Honor of J. Frank Yates, University of Michigan, May 2018.

*Decision Processes Associated with Indecisiveness*

Decision Consortium, University of Michigan, April 2016.

*Numerical Competence and Decision Making*

Industrial-Organizational Seminar, Department of Psychology, University of Connecticut, May 2014.

*When and How We Choose: Information Search and Self-Perceived Indecisiveness*

Cognitive Seminar, Department of Psychology, Yale University, April 2012.

*Indecisiveness in Decision Making*

Social Seminar, Department of Psychology, University of Massachusetts at Amherst, October 2011.

*Exploring the Use of Categories in Instance-Based Generalization*

#### Cognitive Seminar, Department of Psychology, Northeastern University, March 2006.

### Category Use in Induction

Symposium in Honor of Edward E. Smith, University of Michigan, June 2004.

*Use of Category Coherence in Category-Based Inference and Explanation*

Cognitive Seminar, Department of Psychology, Yale University, October 2003.

#### The Importance of Being Coherent: Role of Category Coherence in Reasoning from Multiple Categories

### Department of Psychology, Brooklyn College, January 2002; Bates College, December 2001; Assumption College, November 2001; Western Washington University, November 2001; Lake Forest College, October 2001.

### Rule- vs. Exemplar-Based Categorization Strategies

National Institutes of Health, October 2001; Department of Psychology, University of Illinois at Urbana-Champaign, October 2000; Ohio University, October 1998.

### Representation of Pending Goals in Long Term Memory

Department of Psychology, Michigan State University, March 1998; Ohio University, February 1998; University of North Carolina at Greensboro, December 1996; University of Florida, November 1996; University of California at Santa Barbara, November 1996.

*Opportunistic Planning: The Role of Planning in Opportunity Recognition*

George Mason University, March 1998; Bryn Mawr College, February 1998; Ohio University, February 1998; University of Virginia, February 1998; Iowa State University, January 1998.

*PET Evidence for Multiple Strategies of Categorization*

**(**Symposium presentationat) The Nineteenth Annual Conference of the Cognitive Science Society, Stanford, CA, August 1997.

*Neuroscience Approaches to the Study of Categorization*

Department of Psychology, University of Texas at Austin, January 1998; Cognitive Research Lab, Northwestern University, March 1997; Department of Cognitive Science, University of California at San Diego, January 1997.

*Option Generation and the Decision Process: Where Do Decision Options Come From?*

Decision Behavior Research Consortium Conference, University of Michigan, May 1995.

**PROFESSIONAL SERVICE**

# Journal Editorial Boards

*Journal of Behavioral Decision Making,* 2014-Present

*Journal of Experimental Psychology: Learning, Memory & Cognition*, 2003-2006

**Grant Review Panels**

NSF On-Site Panel: NSF Science and Technology Center Awards

NIH Study Section:Roybal Centers for Translational Research on Aging

NSF Grant Review Panels:Cognition, Perception, and Action

**Ad Hoc Grant Review**

National Science Foundation: Perception, Action, and Cognition

National Science Foundation: Decision, Risk, and Management Sciences

### Center on Aging and Cognition, University of Michigan

**Department External Review**

Member, External Review Committee, Pomona College, Department of Psychology, 2018

Chair, External Review Committee, Swarthmore College, Department of Psychology, 2017

**Tenure and Promotion Reviews**

Confidential reviews of scholarship for tenure and promotion candidates: 2010, 2017, 2018, 2022

# Ad Hoc Manuscript Review

Applied Cognitive Psychology; Behavior Research Methods; Cognition; Cognitive Science; Developmental Psychology; Experimental Psychology; Journal of Behavioral Decision Making; Journal of Cognitive, Affective & Behavioral Neuroscience; Journal of Experimental Psychology: General; Journal of Experimental Psychology: Learning, Memory and Cognition; Journal of Experimental Psychology: Applied; Memory & Cognition; Journal of Experimental Child Psychology; Neuropsychologia; Personality and Individual Differences; Social Cognition; Attention, Perception and Psychophysics; Simulation and Gaming.

**Professional Memberships**

Association for Psychological Science, Psychonomic Society, Society for Judgment and Decision Making, Cognitive Science Society, Society for Research in Child Development

**Conference Service**

Presenter, “Encouraging Future Scientists: Supporting Undergraduates at Psychonomics” Session, Psychonomics Conference, 2022

Poster Judge for Student Poster Awards, Judgment and Decision Making Conference, 2022

Member, Cognitive Science Conference Program Committee, 2020, 2021, 2022

Member, Cognitive Science Conference Organizing Committee (Co-Chair, Awards Committee), 2019

Mentor in “Speed Mentoring” Session for Graduate Students, Cognitive Science Conference, 2019

**UNIVERSITY SERVICE**

*Service roles were at Wesleyan unless otherwise noted.*

# University Presentations

Science Writing Panel Discussant, Wesleyan Writing Program, 2021

Research Presentation to Integrative Sciences Seminar, 2020

Discussant for Wesleyan Women in Sciences Luncheon, 2018

*The Nature of Probability Weighting,* Natural Sciences and Mathematics Lunch, 2012

*Human Subjects Institutional Review Board,* Academic Technology Roundtable, 2012

*Academic Advising,* Advising Tips for Students, 2012

*Feet to the Fire: Energy,* First Year Student Orientation Discussant, 2011

*Feet to the Fire: Food*, First Year Student Orientation Discussant, 2010

*How We Think: Thinking About Relations,* Homecoming WESeminar, 2009

*Perspectives on Grading*, Academic Technology Roundtable, 2003

# University Service

University Graduate Council, 2022-2023

University Ad hoc Committee on Undergraduate Advising, 2021-2022

University Reaccreditation Committees (Governance and Academic Program), 2020-2022

Faculty Executive Committee (Chair or Member), 2019-2022

Chair of the Faculty, 2020-2021

Vice Chair of the Faculty, 2019-2020

Equity and Inclusion Steering Committee, 2017-2018

Faculty Representative to the Board of Trustees, 2017-2018

Center for Global Studies, Advisory Board, 2015-2016

Tenure and Promotion Review and Appeals Board, 2013-2016

Academic Advising Task Force, Chair, 2012-2013

Suicide Prevention Program, Participant, 2012

Faculty Fellows Pilot Program, Co-Fellow, 2010-2012

Institutional Review Board, Chair, 2009-2012

Faculty Committee on International Studies, 2009-2010

**Departmental Service**

Psychology Department BA/MA Committee, Chair, 2022-2023

Psychology Department Self Study, Faculty Subcommittee Chair, 2021-2022

Cognitive Science Committee , 2008-

Faculty Mentor (to Pretenure and Visiting Faculty Members), 2008-

Participant Pool Committee, 2002- (Chair, 2018)

Colloquium Series (Co-)Coordinator, 2003-2004, 2021-2022

Department Advising Expert, 2003-2004, 2009-2010, 2012-2016, 2021-2022

Ploughback Committee, 2016-2021

Cognitive Neuroscience Faculty Search Committee, Chair, 2019-2020

Department Chair, Department of Psychology, 2012-2016

Visiting Social Psychology Faculty Search Committee, 2014-2015

Visiting Cognitive Psychology Faculty Search Committee, 2014-2015

Visiting Clinical Psychology Faculty Search Committee, 2014-2015

Visiting General Psychology Faculty Search Committee, 2013-2014

Visiting Cognitive Psychology Faculty Search Committee, 2013-2014

Cognitive Neuroscience Faculty Search Committee, 2012-2013

Behavioral Neuroscience Faculty Search Committee , 2012-2013

Space Planning Committee, 2008-2016

Postdoctoral Program Committee, 2008-2016

Curriculum Committee, 2007-2009, 2013-2016

Ethics Review Committee, 2006-2008, 2014-2015

Graduate Program Coordinator, 2004-2007

Space Utilization Task Force, 2005

Library Task Force, 2004-2005

Clinical Psychology Faculty Search Committee, 2003-2004

Self-Study Curriculum Committee, 2003-2004

Self-Study Instructional Resources Committee, 2003-2004

Graduate Admissions Committee, Ohio University, 1998-1999

Computing Resources Committee, University of Michigan, 1996-1998

Colloquium Committee, University of Michigan, 1996-1998

Facilities and Resources Committee, University of Michigan, 1994-1996

Subject Pool Committee, University of Michigan, 1994-1996

Faculty Associate, University of Michigan, 1994-1996

Graduate Student Mentor, University of Michigan, 1992-1994

Department Multimedia Advisor, University of Michigan, 1992-1994

Faculty Search Committee, University of Michigan, 1992-1993

# RESEARCH AND TEACHING MENTORSHIP

**Academic Advising**

Serve as academic advisor for approximately 35 undergraduate premajors, Psychology majors, and Neuroscience and Behavior majors per year.

**Undergraduate Research Supervision**

Lab members and teaching assistants include work-study students and McNair program (underrepresented and/or first generation to attend college) students.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Nolan Collins, 2022-2023  Richard Ettinger, 2022-2023  Nicole Deng, 2022-2023  Ana Ziebarth, 2022-2023  Prakriti Mittal, 2021-2022  Christina Xu, 2021-2023  Jordan Green, 2020-2023  Greg Fischer, 2020-2023  Gina Gwiazda, 2020-2022  Anjali Prabhu, 2021-2022  Charlie Bondhus, 2020-2022  Gillian Weeks, 2019-2022  Claudia Stenbaek, 2020-2021  Camila Rodlauer, 2018-2021  Daniel Stein 2020  Kayla Zentmaier, 2018-2020  SeArah Smith, 2019  Bryce Gillis, 2018-2020  Kolbi Bradley, 2018-2020  Melanie Nelson, 2018-2019  Julia Kirsch, 2018-2019  John Neil, 2018-2019  Karolina Hetesova 2017-2019  Mika Braun 2017-2019  William Liang, 2018  Tracy Cui, 2018  Jenna Shelby-Glick, 2018  Marcia Mata, 2016-2018  Lily Segal, 2016-2018  Joanna Paul, 2015-2018  Liana Mathias, 2016-2017  Amanda Yeoh, 2016  Jane Levy, 2015-2016  Christina Glusac, 2015-  Sofia Navarrete Zur, 2015-2016  Eloise Flechon, 2015-2016  Tima Zeng, 2015-2016  Suet Ning Wong, 2014-2015  Anna Rojek, 2013-2016  Sydney Lolli, 2013-2015  Bennett Gelly, 2014-2015 | Jason Saltiel, 2012-2014  Matthew Donahue, 2012-2013  Lily Kaplan, 2012-2013  Alexandra Anderson, 2012-2103  Shayoni Nair, 2012-2013  Emma Weizenbaum, 2011-2013  Emily Berman, 2011-2013  Estee Rubien-Thomas, 2011-2013  Laura Machlin, 2010-2013  Joanna Seirup, 2009-2011  Zachary Kramer, 2014-2015  Jenna Doctoroff, 2013-2014  Chelsea Osterman, 2009-2011  Allie Southam, 2009-2011  Jennifer Cheng, 2009-2010  Felix Wang, 2009-2011  Netta Levran, 2009-2010  Ankit Kansal, 2009-2010  Priscilla Bustamante, 2009-2010  Zachary LeClair, 2008-2010  Joanna Dicke, 2008-2009  Kirsten Haller, 2005-2008  Romej Caro, 2006-2007  Harrison Peck, 2006-2007  Susie Kim, 2006-2007  Eyal Bar-David, 2006-2007  Steven Wengrovitz, 2004-2006  Samuel Duncan, 2004-2005  Yaneez Nojib, 2004-2005  Alexandra Sedlovskaya, 2004-2005  Julia Fox, 2004-2005  Jessica Jacobson, 2004-2005  Rebecca Gould, 2004-2005  Darren Becker, 2003-2004  Tamara Carroll, 2003-2004  May Chao, 2003-2004  Katherine Krug, 2003-2004  Sam Fentress, 2002-2004  Timothy Harrington, 2002-2003  Rebecca Pryor, 2002-2003  Elizabeth Perry, 2002-2003 |  |  |  |  |

**Undergraduate Teaching Supervision**

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| Emma Johnston, 2021-2022  Steven Johnson, 2020-2021  Charlie Bondhus, 2019-2020  Gina Gwiazda, 2019-2020  Tyla Taylor, 2019-2020  Maryyam Mian, 2019-2020  Hannah O’Halloran, 2019-2020  Julia Kirsch, 2018-2019  Carolina Montano, 2018-2019  Betty Bekele, 2017-2018  Lily Segal, 2017-2018  Liana Mathias, 2015-2016  Wy Ming Lin, 2015-2016  Ryan Pruitt, 2014-2015  Claire Miller, 2014-2015  Natalie Booth, 2013-2014  Meghan Nayyar, 2013-2014  Ema Tanovic, 2013-2014  Samantha Melvin, 2012-2013  Lily Kaplan, 2012-2013 | Sue-Jung Jang, 2010-2011  Allie Southam, 2010-2011  Sam Friedman, 2009-2010  Kacey Wochna, 2008-2009  Zachary LeClair, 2008-2009  Martine Seiden, 2008-2009  Kirsten Sharpes, 2007-2008  Andy Wiltshire, 2007-2008  Meghan Kelleher, 2007-2008  Julie Ach, 2007-2008  Katie Grogan, 2007-2008  Caitlin Kelly, 2006-2007  Brittany Speisman, 2006-2007  Patrick Butsch, 2005-2006  Michael Vitulano, 2005-2006  Sara Armstrong, 2004-2005  Beverly Halpern, 2003-2004  Katherine Krug, 2003-2004  Matthew Fox, 2002-2003 |  |

**Thesis Supervision**

Gina Gwiazda ’22 BA in Psychology

Honors thesis: *Can the left digit effect be reduced: Investigating an instructional intervention in number line estimation.*

Gillian Weeks ’22 BA in Psychology

Honors thesis: *Was I really that upset? The role of working memory in cognitive reappraisal.*

Julia Kirsch ’19, BA in Psychology

Honors thesis: *How indecisive individuals make decisions: Indecisiveness, decision representations, and decision perspectives.*

Mika Braun ’19, BA in Psychology

Honors thesis: *Exploring contributors to partition dependence in the consumer choice domain.*

Sydney Lolli ’15, B.A./M.A. student: M.A. in Neuroscience and Behavior ‘16

Honors thesis: *Maximizing tendency and alternative search in sequential decisions.*

M.A. thesis: *Individual differences in ERP correlates of delay discounting*.

Emily Berman ’13, B.A. in Neuroscience and Behavior

Honors thesis: *Performance on the Iowa Gambling Task in individuals with affect dysregulation.*

Emma Weizenbaum ’13, B.A. in Psychology

Honors thesis: *The relationship between maximization, indecisiveness, and information search in decision situations with and without opportunity costs.*

Chelsea Osterman ’11, B.A. in Neuroscience and Behavior

Honors thesis: *Decision making skills among individuals with disorders of affect regulation.*

Zachary LeClair ’10, B.A. in Psychology

Honors thesis: *Impact of group decision making on indecisiveness-related decisional confidence.*

Steven Wengrovitz ’05, B.A. and (2-year) M.A. student: M.A. in Psychology ‘07

M.A. thesis: *To choose or not to choose: The effects of conflict and risk on choice deferral.*

Rebecca Gould ‘05, B.A. in Psychology

Honors thesis: *Impact of value clarity on decision strategy.*

Jessica Jacobson ‘05, B.A. in Psychology

Honors thesis: *Individual differences in value reconstruction through decision making.*

Ying Xiong ’04, B.A./M.A. student: M.A. in Psychology ‘05

M.A. thesis: *Indecisiveness and information search in a complex decision situation.*

Sam Fentress ’04, B.A. in Cognitive Science (co-advisor)

Honors thesis: *Seeing concepts: Dimensions in perception and cognition.*

**Postdoctoral Research Supervision**

Chenmu (Julia) Xing (2016-2019; co-advisor with Dr. Hilary Barth)

Mariah Schug (2008-2010; co-advisor with Dr. Hilary Barth and Dr. Anna Shusterman)

**Undergraduate Thesis Reading**

*Undergraduate honors thesis in Psychology at Wesleyan unless otherwise noted.*

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| Abigail Stein1, 2021-2022  Lilley Gallagher4, 2021-2022  Katie Vasquez, 2019-2020  Jenny Chelmow, 2018-2019  Dominoe Jones, 2018-2019  Tedra James, 2017-2018  Harim Jung, 2015-2016  Tanya Horwitz, 2015-2016  Isis Chen, 2014-2015  Ema Tanovic, 2013-2014  Oufei Dong, 2012-2013  Emilie George1, 2012-2013  Ellen Bartolini, 2010-2011  Katie DaCruz, 2010-2011  Leah Shesler, 2010-2011  Martine Seiden, 2010-2011 | Kacey Wochna, 2009-2010  Senna Georges, 2009-2010  Rachel Berkowitz, 2008-2009 Kirsten Sharpes, 2007-2008  Melanie Cherng, 2007-2008  Henny Admoni2, 2007-2008  Brittany Speisman, 2006-2007  Andrew Bleeker3, 2007-2007  Eleanor Terry, 2004-2005  Leah Pransky1, 2003-2004  Morgan Philbin, 2003-2004  Alexandra Sedlovskaya, 2003-2004  Jeffrey Berko, 2002-2003  Timothy Harrington, 2002-2003  Benjamin Teaford, 2002-2003 |
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1Neuroscience and Behavior; 2Computational Cognitive Science; 3College of Social Studies; 4Environmental Studies

**Graduate Thesis Committee Member**

*M.A. thesis student in Psychology at Wesleyan unless otherwise noted.*

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| Claudia Ferrara, 2021-2022  Kinsey Yost2, 2019-2020  Meghan Jain2, 2019  Samantha Schreiber, 2019  Kerry Brew, 2018-2019  Samantha Schreiber, 2018-2019  Stephen Tang1, 2016-2017  Sheri Reichelson, 2015-2017  Jason Reitman, 2015-2016 | Barry Finder, 2009-2010  Sivan Cotel, 2005-2006  Faiza Vesel, 2004-2005  Damali Adu2, 2003-2004  Patrick Lao, 2003-2004  Hyungsoo Kim, 2002-2003  Natale Polinko3, 2009-2010  John Gunstad4, 2009-2010 |
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1Ph.D. thesis examiner, The Australian National University

2Neuroscience and Behavior thesis; 3Ph.D. thesis, Ohio University; 4M.A. thesis, Ohio University