

Benjamin K. Barton
CURRICULUM VITAE

University of Idaho

NAME: Benjamin K. Barton
RANK OR TITLE: Professor

DATE: September 3, 2024

DEPARTMENT: Psychology and Communication

OFFICE LOCATION AND CAMPUS ZIP: Student Health, 443043
OFFICE PHONE: 208-885-6515
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EMAIL: barton@uidaho.edu

DATE OF FIRST EMPLOYMENT AT UI: July 2008

DATE OF TENURE: July 1, 2014

DATE OF PRESENT RANK OR TITLE: July 2020

EDUCATION BEYOND HIGH SCHOOL:

- 2005 Ph.D.
University of Alabama at Birmingham, Birmingham, AL
Major: Developmental Psychology
Dissertation Title: "Theoretical and Applied Implications of Context for Children's Unintentional Injuries"
- 2002 M.S.
University of Memphis, Memphis, TN
Major: General Psychology
Thesis Title: "Impact of Same-Sex Classrooms on Children's Peer Relations"
- 2000 B.A.
University of Memphis, Memphis, TN
Major: Psychology

EXPERIENCE

Teaching, Extension, and Research Appointments:

- 2020 – present, Professor, Department of Psychology and Communication - University of Idaho
- 2019 – present, Department Chair, Department of Psychology and Communication – University of Idaho
- 2014 – 2020, Associate Professor, Department of Psychology and Communication - University of Idaho
- 2008 – 2014, Assistant Professor, Department of Psychology and Communication - University of Idaho
- 2005 – 2008 Postdoctoral Fellow, Department of Psychology, University of Guelph, Ontario, Canada

TEACHING ACCOMPLISHMENTS

Areas of Specialization:

Developmental psychology, including social, cognitive, perceptual, and child safety issues. Human factors,

including engineering design, safety, automation, unintentional injury etiology and prevention, and transportation safety.

Courses Taught:

PSYC 101 Introduction to Psychology (undergraduate level; University of Idaho)
 PSYC 101 Honors Introduction to Psychology (undergraduate level; University of Idaho)
 PSYC 419 Adult Development and Aging (undergraduate level; University of Idaho)
 PSYC 421 Cognitive Development (undergraduate level; University of Idaho)
 PSYC 305 Developmental Psychology (undergraduate level; University of Idaho)
 PSYC 404/504 Safety across the Lifespan (undergraduate/graduate levels; University of Idaho)
 PSYC 420 Personality and Social Development (undergraduate level; University of Idaho)
 PSYC 456 Psychology of Emotion (undergraduate level; University of Idaho)
 PSYC 509 Introduction to Human Factors Engineering (graduate level; University of Idaho)
 PSYC 513 Advanced Research Methods (graduate level; University of Idaho)
 PSYC 562 Advanced Human Factors (graduate level; University of Idaho)

Developmental Psychology (at University of Alabama at Birmingham)
 Introduction to Psychology (at University of Alabama at Birmingham)
 Laboratory – Multivariate Statistics (graduate level; at University of Alabama at Birmingham)

Students Advised:

Undergraduate Students:

Approximately 60 students assigned as of January 2024

Graduate Students:

Advisor and major professor for all students in the distance MS program in Human Factors, spring 2018 – spring 2019

Advised to completion of degree-major professor:

Olugbenga Gideon, PhD in Experimental, Human Factors, 2022 - ongoing
 Brian Pugliese, PhD in Experimental, Human Factors, 2017 – 2022
 Shane Davis, PhD in Experimental, Human Factors, 2016 – 2021

Sherman Remer, MS Human Factors, 2023- ongoing
 Alex Evans, MS Human Factors, 2023-2024
 Sydney Schultz, MS Human Factors, 2021-2024
 Kyle Banzon, MS Human Factors, 2021-2023
 Hailee Aklyan, MS Human Factors, 2022-2023
 Thi Le, MS Human Factors, 2022 - 2023
 Derek Cluff, MS Human Factors, 2021 - 2022
 Thao Pham, MS Human Factors, 2021 - 2022
 Miriam Binman, MS Human Factors, 2019 - 2021
 James Marshall, MS Human Factors, 2019 - 2021
 Kehinde Bangudu, MS Human Factors, 2018 - 2020
 Andra Cates, MS Human Factors, 2018 – 2019
 Ramyaa Ravichandra, MS Human Factors, 2018 – 2019
 Gerardo Lopez, MS Human Factors, 2017- 2019
 Makenzie Rieman, MS Human Factors, 2017 - 2019
 Samuel Neff, MS Human Factors, MS Human Factors, 2016 – 2018
 Shane Davis, MS Human Factors, 2013-2016
 Ryan Butler, MS Human Factors, 2014-2016
 Gretchen Heath, MS Human Factors, 2012 – 2014
 Ashley Bogar, MS Human Factors, 2012 – 2015

Kelsey Baldree, MS Human Factors, 2014 – 2015
 David McCullough, MS Human Factors 2012 – 2013
 Nolan Boyle, MS Human Factors, 2011 – 2012 (co-mentored with Dr. Dyre)
 Tom Ulrich, MS Human Factors, 2009 – 2011
 Casey Kovesdi, MS Human Factors, 2009 – 2011
 Nicholas Cottrell, MS Human Factors, 2009 – 2011

Served on graduate committee:

Criss Ward, NIATT, 2022 - 2023
 Dashiel Tyler, MS Human Factors, 2021 - 2023
 Will Felton, PhD Experimental, Human Factors, 2020-2021
 Daniel Kral, PhD Experimental, Human Factors, 2018 - 2019
 Susan Kologi, PhD, Education, 2012 - 2015
 Gwen Mitchell, PhD Special Education, 2009 – 2011
 Tedd Ammann, MS Human Factors, 2010 – 2011
 Aaron Buckley, MS Bioregional Planning Program, 2012

Supervision of new scientists through APA Division 54 mentoring program:

Dr. Martin Cernvall, Uppsala University, 2009 – 2013
 Dr. Shanna Grant, Kent State, 2006 - 2010

Courses Developed:

Safety across the Lifespan, a review of psychological and developmental aspects of injury risk factors and prevention techniques.

Human Factors in Engineering Design, an overview and application of key human factors theories, concepts, and principles for design.

Non-credit Classes, Workshops, Seminars, Invited Lectures, etc.:

Barton, B. K. (2009, June). *Developmental influences on children's pedestrian safety*. Injury Control and Research Center, University of Alabama at Birmingham.

Barton, B. K. (2009, October). *Cognitive Development and children's pedestrian behaviors*. Department of Human Development, Washington State University.

SCHOLARSHIP ACCOMPLISHMENTS

Publications:

Peer Reviewed/Evaluated (* indicates the author was a graduate student in my laboratory):

Pugliese, B. J. & Barton, B. K. (2023). Slicing through the Layers of Pediatric Unintentional Injury with the Swiss Cheese Model. *Journal of Pediatric Psychology, 48, 995-1002*.

Schwebel, D. C., Barton, B. K., Shen, J., & Stavrinou, D. (2023). Commentary: Introduction to the Special Section on Child Injury: Reflecting on the Impact of Pediatric Psychology on Child Injury Prevention, Past and Present. *Journal of Pediatric Psychology, 48, 992-994*.

Pugliese, B. J., Barton, B. K., & Lopez, G. (2023). Predicting Behavioral Intentions for Unsafe Off-Highway Vehicle Use. *Journal of Safety Research, 84, 404-410*.

Pugliese*, B. J., & Barton, B. K. (2022). Falling for Smartphones: A Smartphone-Centric Data Collection

- Tool for Distracted Walking. *Transportation Research Part F: Traffic Psychology and Behaviour*, 90, 15-21.
- Barton, B. K.**, & Pugliese*, B. J. (2022). BASE: Pragmatic Injury Prevention for Practitioners. *American Journal of Lifestyle Medicine*, 15598276221083566.
- Barton, B. K.**, Davis*, S. J., & Pugliese*, B. J. (2021). A risk appraisal framework for injury etiology. *Health Promotion Practice*, 15248399211018167.
- Davis*, S. J., **Barton, B. K.**, Pugliese*, B. J., & Lopez*, G. (2021). The influences of listening and speaking on pedestrians' assessments of approaching vehicles. *Transportation Research Part F: Traffic Psychology and Behaviour*, 82, 348-358.
- Pugliese*, B. J., **Barton, B. K.**, Davis*, S. J., & Lopez*, G. (2020). Assessing pedestrian safety across modalities via a simulated vehicle time-to-arrival task. *Accident Analysis & Prevention*, 134, 105344.
- Davis*, S. J., Pugliese*, B. J., & **Barton, B. K.** (2019). The Intersection of Pedestrian Safety and Multimodal Perception. *Transportation Research Part F: Traffic Psychology and Behaviour*, 67, 205-216.
- Barton, B. K.**, Shen, J., Stavrinou, D., & Davis*, S. (2019). Developmental Aspects of Unintentional Injury Prevention Among Youth: Implications for Practice. *American journal of lifestyle medicine*, 13(6), 565-573.
- Davis*, S. J. & **Barton, B. K.** (2017). Effects of secondary tasks on auditory detection and crossing thresholds in relation to approaching vehicle noises. *Accident Analysis and Prevention*, 98, 287-294.
- Barton, B. K.**, Heath*, G. E., & Lew, R. (2016). Detection and direction determination of approaching vehicle noises among older adults. *The International Journal of Aging and Human Development*, 82, 229-250.
- Barton, B. K.**, Kologi, S. M., & Siron, A. (2016). Distracted pedestrians in crosswalks: An application of the Theory of Planned Behavior. *Transportation Research Part F: Traffic Psychology and Behaviour*, 37, 129-137.
- Barton, B. K.**, & Kologi, S. (2015). Why do you keep them there? A qualitative assessment of firearms storage practices. *Journal of Pediatric Nursing*, 30, 285-293.
- Ulrich*, T., & **Barton, B. K.** (2014). Detection and Localization of Approaching Vehicles in the Presence of Competing Vehicle Noise. *Transportation Research Part F: Traffic Psychology and Behaviour*, <http://dx.doi.org/10.1016/j.trf.2014.07.003>
- Schwebel, D. C., **Barton, B. K.**, Shen, J., Wells, H., Bogar*, A., Heath*, G. & McCullough*, D. (2014). Systematic review of behavioral interventions to improve child pedestrian safety: A meta-analysis. *Journal of Pediatric Psychology*, 39, 826-845.
- Buckley, A., Lowry, M. B., Brown, H., & **Barton, B. K.** (2013). Evaluating Safe Routes to School Events that Designate Days for Walking and Bicycling. *Transport Policy*, 30, 294-300.
- Kovesdi*, C., & **Barton, B. K.** (2013). The role of non-verbal working memory in pedestrian visual search. *Transportation Research Part F: Traffic Psychology and Behaviour*, <http://dx.doi.org/10.1016/j.trf.2013.03.005>
- Barton, B. K.**, Lew, R., Kovesdi*, C., Cottrell*, N. D., & Ulrich*, T., (2013). Developmental differences in auditory detection and localization of approaching vehicles. *Accident Analysis and Prevention*, <http://dx.doi.org/10.1016/j.aap.2012.12.040>
- Cottrell*, N. D., & **Barton, B. K.** (2013). The role of automation in reducing stress and negative affect

while driving. *Theoretical Issues in Ergonomics Science*, 14, 53-68.

Cottrell*, N. D., & **Barton, B. K.** (2012). The Impact of Artificial Vehicle Sounds for Pedestrians on Driver Stress. *Ergonomics*, 55, 1476-1486.

Barton, B. K., Ulrich*, T. A., Lew, R. (2012). Auditory detection and localization of approaching vehicles. *Accident Analysis and Prevention*, 49, 347-353.

Kovesdi*, C., **Barton, B. K.**, & Rice, L. (2012). Visual Efficiency-Detection Index: A New Composite Measure of Visual Search. *Journal of Eye-Tracking, Visual Cognition and Emotion*, 2, ISSN 1647-7677.

Barton, B. K., Ulrich*, T., & Lyday, B. (2012). The roles of gender, age, and cognitive development in children's pedestrian route selection. *Child: Care, Health, and Development*, 38, 280-286.

Barton, B. K., & Huston, J. (2011). The roles of child, parent, and environmental factors in pedestrian supervision. *International Journal of Injury Control and Safety Promotion*, 19, 153-162.

Barton, B. K., & Morrongiello, B. A. (2011). Examining the impact of traffic environment and executive functioning on children's pedestrian behaviors. *Developmental Psychology*, 47, 181-192.

Morrongiello, B. A., Cusimano, M., **Barton, B. K.**, Orr, E., Chipman C., Tyberg, J., Kulkarini, A., Khanlou, N., Masi, R., & Bekele, T. (2009). Development of the BACKIE Questionnaire: A measure of children's behaviors, attitudes, cognitions, knowledge, and injury experiences related to seven types of unintentional injury. *Accident Analysis and Prevention*, 41, 1040-1046.

Morrongiello, B. A., & **Barton, B. K.** (2009). Child Pedestrian Safety: Parental Supervision, Modeling Behaviors, and Beliefs about Child Pedestrian Competence. *Accident Analysis and Prevention*, 41, 1040-1046.

Morrongiello, B. A., Cusimano, M., Orr, E., **Barton, B. K.**, Chipman, M., Tyberg, J., Kulkarini, A., Khanlou, N., Masi, R., & Bekele, T. (2008). School-age children's safety attitudes, cognitions, knowledge, and injury experiences: Do these affect their safety practices? *Injury Prevention*, 14, 176-179.

Barton, B. K., & Schwebel, D. C. (2007). A contextual approach to the etiology and prevention of children's unintentional injuries. *Health Psychology Review*, 1, 173-185.

Schwebel, D. C., Ball, K. K., Severson, J., **Barton, B. K.**, Rizzo, M., & Viamonte, S. M. (2007). Individual difference factors in risky driving among older adults. *Journal of Safety Research*, 38, 501-509.

Barton, B. K., & Schwebel, D. C. (2007). The roles of age, gender, inhibitory control, and parental supervision in children's pedestrian safety. *Journal of Pediatric Psychology*, 32, 517-526.

Barton, B. K., & Schwebel, D. C. (2007). The influence of age, gender, and temperament on children's selection of risky pedestrian routes. *Journal of Pediatric Psychology*, 32, 343-353.

Barton, B. K., Schwebel, D. C., & Morrongiello, B. A. (2007). Brief report: Increasing children's safe pedestrian behaviors through simple skills training. *Journal of Pediatric Psychology*, 32, 475-480.

Barton, B. K. (2006). Integrating selective attention into developmental pedestrian safety research. *Canadian Psychology*, 47, 3, 203-210.

Schwebel, D. C., & **Barton, B. K.** (2005). Contributions of multiple risk factors to child injury. *Journal of Pediatric Psychology*, 30, 553-561.

Hsueh, Y., & **Barton, B. K.** (2005). A cultural perspective on professional beliefs of childcare teachers. *Early Childhood Education Journal*, 33, 179-186.

Barton, B. K., & Cohen, R. (2004). Classroom gender composition and children's peer relations. *Child*

Study Journal, 34, 29-45.

Refereed/Adjudicated:

Riley, K.T., **Barton, B.K.**, & Pugliese, B.J. (2024). Thunderstruck: A Tale of Cognitive Biases and Convective Dangers. *Approach*, 66, 28-29.

Barton, B. K., Bogar*, A., & Kovesdi*, C. (2019). Research: Detection of firearms by police officers and civilians. *PoliceOne*. Retrieved from <https://www.policeone.com/firearms/articles/482906006-Research-Detection-of-firearms-by-police-officers-and-civilians/>

Schwebel, D. C., & **Barton, B. K.** (2006). Temperament and children's unintentional injuries. In M. E. Vollrath (Ed.), *Handbook of personality and health* (pp. 51-71). New York: Wiley.

Other:

Barton, B. K., & Ulrich, T. (2011). Abilities and learning: Physical abilities. In Goldstein, S., & Naglieri, J. (Eds.). *Encyclopedia of Child Behavior and Development (Volumes 1-3)*. New York, NY: Springer Publisher.

Barton, B. K., & Jorritsma, P. (2011). Visual scanning. In Goldstein, S., & Naglieri, J. (Eds.). *Encyclopedia of Child Behavior and Development (Volumes 1-3)*. New York, NY: Springer Publisher.

Stavrinos, D., & **Barton, B.K.** (2011). Distractibility. In S. Goldstein & J. Naglieri (Eds.), *Encyclopedia of Child Behavior and Development (Volumes 1-3)*. New York: Springer

Barton, B. K. (2009). Is it Better to Burn Out than to Fade Away? [Review of the book *Adolescent Reputations and Risk: Developmental Trajectories to Delinquency*]. *PsycCRITIQUES—Contemporary Psychology: APA Review of Books*, 54 (No. 26), Article 1.

Barton, B. K. (2007). Letting Kids Be Kids [Review of the book *The Hurried Child: Growing Up Too Fast Too Soon*]. *PsycCRITIQUES—Contemporary Psychology: APA Review of Books*, 52 (No. 38), Article 16.

Barton, B. K. (2006). At the Edge of the Nest: The Developmental Nature and Importance of Human Aggression. [Review of the book *The Developmental Origins of Aggression*]. *PsycCRITIQUES—Contemporary Psychology: APA Review of Books*, 51 (No. 5), Article 9.

Barton, B. K. (2005). The Self-Directed Process of Becoming and Maintaining Who We Want to Be. [Review of the book *The Adaptive Self: Personal Continuity and Intentional Self-Development*]. *PsycCRITIQUES—Contemporary Psychology: APA Review of Books*, 50 (No. 24), Article 14.

Peer Reviewed/Evaluated (currently scheduled or submitted):

Barton, B. K. & Pugliese, B. J. (2023). Pedestrians. In B. E. Porter (Ed.), *Handbook of Traffic Psychology* (pp. ###-###). Academic Press.

Riley, K.T., Barton, B.K., & Pugliese, B.J. (2024). Navigating Uncertainty: How Experts Make Decisions. *Proceedings*, Volume/Issue, pp-pp.

Professional Meeting Papers and Conference Posters

Gideon, O., Barton, B. K., Lew, R., Ulrich, T., & Dubois, Z. (2024). *Early-Stage Testing of Thermal Power Dispatch Simulator for Subjective Mental Workload and Evolution Time*. To be presented at the Human Factors and Ergonomics Society's 2024 International Annual Meeting, Phoenix, Arizona.

Gideon, O., Barton, B. K., Lew, R., Ulrich, T., & Dubois, Z. (2024). *Early-Stage Usability Testing of Thermal Power Dispatch Simulator Using Novice Operators*. To be presented at the 15th International Conference on Applied Human Factors and Ergonomics, Université Côte d'Azur, Nice, France, July 24-27, 2024.

Barton, B. K. (2022, November 4). *Injury antecedent models for practitioners and researchers*. Society of Pediatric Psychology Fall Virtual Conference.

Pugliese, B. J., Barton, B. K., McInnis, M., Warren, A. (2020). *Falling for smartphones: A pilot study to examine the efficacy of a smartphone application to collect behavioral data*. Poster presented at the annual meeting of the Society of Public Health Education Conference, Atlanta, GA.

Davis, S. J., Lopez, G., Neff, S., & Barton, B. K. (2017). *Effects of Secondary Task Processing Stage on Auditory Detection and Crossing Thresholds in Relation to Approaching Vehicle Noises*. Poster to be presented at the Human Factors and Ergonomics Society's 2017 International Annual Meeting, Austin, Texas.

Buckley, A., Lowry, M., Brown, H., & Barton, B. K. (2013) *Case Study of Safe Routes to School Special Encouragement Events*, Presented at the 92nd Annual Meeting of the Transportation Research Board, National Research Council, Washington, D.C

Ulrich, T. A., Barton, B. K., Kovesdi, C. R., & Cottrell, N. D. (2011). *Cognitive Development and Children's Pedestrian Route Selection*. Poster presented at the biennial meeting of the Society for Research in Child Development, Montreal, Quebec, Canada.

Barton, B. K., & Huston, J. (2011). *The Roles of Parent and Environmental Factors in Child Pedestrian Supervision*. Poster presented at the biennial meeting of the Society for Research in Child Development, Montreal, Quebec, Canada.

Cottrell, N. D., Barton, B. K., Ulrich, T. A., & Kovesdi, C. R. (2011). *Developmental Influences on Auditory Detection of Vehicles*. Poster presented at the biennial meeting of the Society for Research in Child Development, Montreal, Quebec, Canada.

Kovesdi, C. R., Barton, B. K., & Ulrich, T. A. (2011). *Visual Search Performance in Child and Adult Pedestrians*. Poster presented at the biennial meeting of the Society for Research in Child Development, Montreal, Quebec, Canada.

Kovesdi, C. R., Barton, B. K., & Ulrich, T. A. (2010). *Developmental Differences in Pedestrian Visual Search Patterns*. Poster presented at the 10th World Conference on Injury Prevention & Safety Promotion, London, UK.

Ulrich, T. A., & Barton, B. K. (2010). *Cognitive Influences on Children's Pedestrian Route Selection*. Poster presented at the 10th World Conference on Injury Prevention & Safety Promotion, London, UK.

Barton, B. K., & Morrongiello, B. A. (2009). *The Roles of Environment and Executive Functioning in Children's Pedestrian Behaviors*. Poster presented at the biennial meeting of the Society for Research in Child Development, Denver, CO.

Morrongiello, B. A., & Barton, B. K. (2009). *Child Pedestrian Safety: Parental Supervision, Modeling Behaviors, and Beliefs about Child Pedestrian Competence*. Poster presented at the biennial meeting of the Society for Research in Child Development, Denver, CO.

Barton, B. K., & Bustamante, E. (2009). *Applying Signal Detection Theory to Pedestrian Gap Selection*. Poster presented at the 2009 meeting of the Society for Advancement of Violence and Injury Research, Atlanta, GA.

Barton, B. K. (2008, September). *Integrating selective attention into developmental pedestrian safety research*. Paper presented at the International Conference on Traffic and Transport Psychology, Washington DC.

Barton, B. K., Schwebel, D. C., & Morrongiello, B. A. (2005, November). *Increasing children's safe pedestrian behaviours through simple skills training*. Poster presented at the 2005 Canadian Injury Prevention and Safety Promotion Conference, Halifax, Nova Scotia, Canada.

Schwebel, D. C., & Barton, B. K. (2005, May). *Age, gender, and temperament as risk factors for pediatric pedestrian injury*. Poster presented at the annual National Injury Prevention and Control Conference, Denver, CO. [Published abstract: Schwebel, D. C., & Barton, B. K. (2005). Age, gender, and temperament as risk factors for pediatric pedestrian injury. *Injury and violence in America: Meeting challenges, sharing solutions* (pp. 112-113). Atlanta: US Department of Health and Human Services.]

Schwebel, D. C., & Barton, B. K. (2005, May). *Parental supervision and child pedestrian traffic gap selection*. Poster presented at the annual National Injury Prevention and Control Conference, Denver, CO. [Published abstract: Schwebel, D. C., & Barton, B. K. (2005). Parental supervision and child pedestrian traffic gap selection. *Injury and violence in America: Meeting challenges, sharing solutions* (pp. 113-114). Atlanta: US Department of Health and Human Services.]

Barton, B. K., Osborn, Z. H., Muraya, M., & Schwebel, D. C. (2005, April). *Relations between parental supervision and children's risky pedestrian Behaviors*. Poster presented at the biennial meeting of the Society for Research in Child Development, Atlanta, GA.

Tavares, C., Barton, B. K., & Schwebel, D. C. (2005, April) *A behavioral battery to assess inhibitory control in middle childhood*. Poster presented at the biennial meeting of the Society for Research in Child Development, Atlanta, GA.

Barton, B. K., Tavares, C., Duncan, J., & Schwebel, D. C. (2004, October). *Inhibitory control and children's risky pedestrian behaviors*. Poster presented at the Kansas Conference in Clinical Child and Adolescent Psychology, Lawrence, KS.

Barton, B. K., Hendrixson, M. E., Peppers, E., & Schwebel, D. C. (2004, April). *Inhibitory control and children's pedestrian injury risk*. Poster presented at the National Conference on Child Health Psychology, Charleston, SC.

Barton, B. K., Peppers, E., Hendrixson, M. E., & Schwebel, D. C. (2004, April). *The influence of practice and training on children's pedestrian safety*. Paper presented at the National Conference on Child Health Psychology, Charleston, SC.

Barton, B. K. & Hsueh, Y. (2003, October). *A cultural perspective on professional development of childcare teachers*. Paper presented at the annual conference of the Tennessee Association for the Education of Young Children, Memphis, TN.

Barton, B. K. (2003, April). *A longitudinal assessment of the impact of classroom gender composition on children's peer relations*. Poster presented at the biennial meeting of the Society for Research in Child Development, Tampa, FL.

Hsueh, Y., & Barton, B. K. (2003, April). *The larger society of center-based childcare and education*. Poster presented at the biennial meeting of the Society for Research in Child Development, Tampa, FL.

Barton, B. K. (2002, April). *Impact of classroom gender composition on children's peer relations*. Poster presented at the 17th Biennial Conference on Human Development, Charlotte, NC.

Grants and Contracts Awarded:

Agency: Idaho Department of Health and Welfare
Proposal: Opioid Settlement Funds Scholarships to Support Programs in Addictions Studies at the University of Idaho
Role: Principal Investigator
Amount: \$298,800
Status: Awaiting review.

Agency: Idaho Department of Health and Welfare
Proposal: Increasing Addictions Training and Certification Amongst Undergraduate Students and Professionals With Master's Level or Greater Certifications
Role: Principal Investigator
Amount: \$179,412
Status: Funded.

Agency: Idaho National Laboratory
Proposal: Thermal Power Dispatch ConOps Development and Experiment Support
Role: Principal Investigator
Amount: \$44,274
Status: Funded.

Agency: Idaho National Laboratory
Proposal: Thermal Power Dispatch Concept of Operations Development and Experiment Support
Role: Co-investigator
Amount: \$215,000
Status: Funded.

Agency: 2019 Safe System Innovation Grant – National Safety Council
Proposal: Curb your distraction: Virtual reality and message-based interventions to reduce distracted pedestrian behavior
Role: Principal Investigator
Amount: \$197,539
Status: Not funded.

Agency: UI Office of Research and Economic Development
Proposal: Electroencephalography (EEG) System for Investigating Neural Correlates of Cognition and Action
Role: Co-investigator
Amount: \$67,310
Status: Complete.

Proposal: Effects of Alcohol Intoxication on Pedestrian Gap Selection
Type: SOPHE/CDC Student Fellowship in Unintentional Injury Prevention
Role: Faculty advisor to student investigator
Amount: \$2000
Status: Not funded.

Proposal: The Role of Visual Occlusion in Pedestrian Decision Making in a Virtual Environment
Type: SOPHE/CDC Student Fellowship in Unintentional Injury Prevention
Role: Faculty advisor to student investigator
Amount: \$2,000
Status: Not funded.

Agency: Center for Advanced Energy Studies
Proposal: CAES Fuel Efficiency
Role: Principal Investigator
Amount: \$10,000
Status: Complete. Funding period July 5, 2013 – September 30, 2013.

Agency: Nissan Technical Center North America
Proposal: The Influence of Automated Vehicle Sounds on Driver Stress and Negative Affect
Role: Principal Investigator
Amount: \$25,191
Status: Complete. Funding period August 16, 2010 – February 5, 2011.

Agency: Nissan Technical Center North America
Proposal: Automation, Stress, and Negative Affect in Automobile Operation
Role: Principal Investigator
Amount: \$9,367
Status: Complete. Funding period May 1, 2010 – July 31, 2010.

Agency: Nissan Technical Center North America
Proposal: Developmental influences on auditory detection of vehicles
Role: Principal Investigator
Amount: \$13,269
Status: Complete. Funding period February 1, 2010 – June 16, 2010.

Agency: Canadian Institutes of Health Research
Proposal: Advancing research methods, knowledge of injury etiology, and prevention efforts in pediatric pedestrian injury research
Role: Co-Investigator; Principal Investigator: Barbara A. Morrongiello
Amount: \$177,000
Status: Complete. Funding period Jan 2006 - July 2008.

Agency: Sigma Xi
Proposal: Children's Self-Selection into Risky Pedestrian Settings
Role: Principal Investigator
Amount: \$810
Status: Complete. Funding Period May, 2004 – April, 2005

Agency: Society for Pediatric Psychology (APA Division 54)
Proposal: Children's Self-Selection into Risky Pedestrian Settings
Type: Lizette Peterson-Homer Memorial Injury Research Grant
Role: Principal Investigator
Amount: \$1500
Status: Complete. Funding Period May, 2004 – August, 2005

Internal Funding Pursued at University of Idaho:

Proposal: Electroencephalography (EEG) System for Investigating Neural Correlates of Cognition and Action
Type: ORED 2018 EIS Request
Role: Co-Investigator
Amount: \$67,310
Status: Funded

Proposal: CLASS Research Fellowship Application
Type: CLASS Research Fellowship Application - 2016
Role: Principal Investigator
Amount: \$24,500

Status: Not funded

Proposal: Behavioral laboratory for information security studies
Type: Vandal Ideas Project - 2016
Role: Co-Investigator; Principal Investigator: Norman Pendegraft
Amount: \$35,109
Status: Not funded

Proposal: Testing and intrapersonal model of pedestrian injury risk behavior
Type: Seed Grant - 2016
Role: Principal Investigator
Amount: \$12,000
Status: Not funded

Proposal: Pedestrians' Use of Auditory Safety Cues in the Context of Roadside Distractions
Type: Seed Grant - 2012
Role: Principal Investigator
Amount: \$11,932
Status: Not funded

Proposal: Visual Search Patterns in Active Pedestrian Settings
Type: Seed Grant - 2010
Role: Principal Investigator
Amount: \$11,848
Status: Not funded

Proposal: GPS Tracking as a Method for Studying Risky Cycling Behaviors
Type: Seed Grant - 2009
Role: Principal Investigator
Amount: \$12,000
Status: Not funded

SERVICE:

Major Committee Assignments:

WWAMI – PsyD Program Steering Committee Fall 2023 - present
 University of Idaho – Dismissal Hearings Committee Fall 2021 - present
 University of Idaho – Faculty Appeals Hearing Board – 2020- present
 University of Idaho – Safety and Loss-Control Committee – 2017 – 2020 (chair 2018-2019)
 University of Idaho – Dismissal Hearings Committee Spring 2015 - 2018
 University of Idaho – CLASS Safety Committee 2010 – present (chair 2018-2019)
 University of Idaho – Grievance Committee for Student Employees 2010 – 2017
 University of Idaho – CLASS Assessment Committee Fall 2012 – Spring 2015

Professional and Scholarly Organizations:

Society for Research in Child Development (2001 – 2011)
 American Psychological Association, Division 54
 Sigma Xi Scientific Research Society
 Human Factors & Ergonomics Society (affiliate member, University of Idaho chapter)

Departmental:

Department Chair – 2019 - present
 Director of Graduate Programs – 2018-2019
 Faculty Advisor for the University of Idaho Chapter of the Human Factors and Ergonomics Society 2017-present
 Faculty Advisor for the University of Idaho chapter of the Psi Chi International Honor Society 2009 – 2017
 Psychology Graduate Program Committee 2008 – present (chair 2018-2019)
 Tenure and Promotion Committee 2009-2010, 2012, 2014-2015
 Search Committee 2011-2012
 Technology Committee – 2011-2012
 External Relations Committee – 2013-2014

Editorial and Reviewing:

Editorial board: *Journal of Pediatric Psychology* – 2007 - 2015
 Editorial board: *Paediatrics and Health* – since September 2013

Ad-hoc reviewer:

Cognitive Development
Transportation Research Part F: Traffic Psychology and Behaviour
Journal of Rehabilitation Research and Development
Journal of Experimental Child Psychology
Journal of Developmental & Behavioral Pediatrics
Injury Prevention
Early Education and Development
Psychological Assessment
Accident Analysis and Prevention
Child: Care, Health, and Development
Theoretical Issues in Ergonomics Science
Journal of Adolescent Health
Journal of Cognitive Engineering and Decision Making
Cogent Psychology
Journal of Pediatric Nursing
Drug and Alcohol Dependence
The Open Transportation Journal
Preventive Medicine
Safety Science

Outreach Service:

2014 – 2016 – president of the board for the Officer Lee Newbill Kids Safety Fair.
 2010 - 2013 – member of the board for the Officer Lee Newbill Kids Safety Fair.
 2010 - Worked with health education professionals and local business owners to inform the development of a “Green Bike” program for Moscow, Idaho.
 2009 – Assisted with the Safe Routes to School effort in Moscow, Idaho.
 2008 - Consulted with Moscow Police regarding pedestrian injuries to college students on the Moscow-Pullman Highway.
 2006 – 2008 Pedestrian safety consultant for Safe Kids Canada.
 2004 – Assisted public school officials and Chief of Police in Mountain Brook, Alabama in increasing pedestrian safety for elementary school children.

Honors and Awards:

President’s Mid-Career Faculty Award - 2014