

**Curriculum Vitae (January, 2024)**  
**Laura J. Claxton, Ph.D.**

**Contact**

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**Education**

University of Massachusetts, Amherst	Ph.D.	Developmental Psychology	2007
University of Massachusetts, Amherst	M.S.	Developmental Psychology	2002
University of Oregon, Clark Honors College	B.A. (cum laude)	Psychology (with honors) & English	1998

**Professional Experience**

2019-present    Courtesy Appointment, Associate Professor of Speech Language and Hearing Sciences, Purdue University

2014-present    Associate Professor of Kinesiology, Purdue University, West Lafayette, Indiana

2008-2014      Assistant Professor of Kinesiology, Purdue University, West Lafayette, Indiana

1998-1999      Research Study Coordinator, S.M. Carlson Child Lab, University of Washington, Seattle, Washington

**Honors and Awards**

2019            Outstanding Undergraduate Faculty Teaching Award, Department of Health and Kinesiology

2002-2003      University of Massachusetts Psychology Department NIMH Trainee Fellowship. Competitive merit-based scholarship awarded by the Psychology Department. \$18,000.

**Funding****External Funding in Support of Research**

EPA. 84020291-0. Role: Co-PI with Adolph, Boor, Laskin. *Developmental, Behavioral & Environmental Determinants of Infant Dust Ingestion*. 9/1/2021-8/31/2024. \$1,349,566 total costs. (Subaward for Purdue to Claxton, \$181,687).

NIH R01-HD-094830. Role: Co-I, Subaward Co-PI with Haddad. PIs Adolph K, Gilmore, R, Tamis-Lemonda, C. *Play & Learning Across a Year (PLAY)*. 8/15/2018-5/31/23. \$6,340,000 total costs. (Subaward for Purdue \$27,394.01).

**Internal Funding in Support of Research**

Purdue Research Foundation (PI, with graduate student Amanda Arnold). *The Relationship of Object Carriage, Walking Characteristics, and Language Development*. June 1, 2017 – May 31, 2018. \$29,130.

Purdue Research Foundation (PI, with graduate student Amanda Arnold). *The Impact of Carrying Differently Sized and Weighted Objects on Infants' Walking Ability*. June 1, 2016 – May 31, 2017. \$29,130.

Purdue University PRF Summer Grant (PI). *Development and Validation of a Mathematical Model to Better Understand the Mechanisms Contributing to the Emergence of Sitting in Infants*. June 1, 2012 – July 31, 2012. \$8,000.

Purdue University Kinley Trust Grant (PI). *Individual Differences in the Development of Executive Functioning and Motor Control in Preschool-aged Children*. July 1, 2010 - June 30, 2011. \$19,214.

**Internal Funding in Support of Teaching**

2013 Purdue Instructional Equipment Allocation (Co-PI). *Motion capture system and associated notebook computer to facilitate student training in object assessment of coordination, balance, and mobility across the life-span*. \$38,179.

2011 Purdue Instructional Teaching Grant (Co-PI). *Gaitrite system and computer were purchased to enhance laboratory experiences in the biomechanics and motor development courses*. \$28,244.

2010 Purdue Instructional Teaching Grant (PI). *Equipment was purchased to add a laboratory section to the motor development courses*. \$18,732.

Purdue Teaching Development Incentive Grant (Co-PI). *Restructuring the HK 253 Class*. Fall 2012. \$700. Money used to purchase instructional equipment for the motor development class.

## Peer Reviewed Publications

Graduate student<sup>G</sup>; Undergraduate Student<sup>U</sup>

1. Pham<sup>G</sup>, H.M., Leung<sup>U</sup>, E.J., King<sup>U</sup>, J.M., O'Brien<sup>G</sup>, K.M., Ryu, J.H., & **Claxton, L.J.** (in press). Controlling posture to see the world: The integration of visual task demands and postural sway in sitting and standing infants. *Journal of Experimental Child Psychology*.
2. Arnold<sup>G</sup>, A.J. & **Claxton, L.J.** (2023). Effect of carrying objects on walking characteristics and language abilities in 13- and 24-month-olds. *Developmental Psychology*, 59(7), 1218-1235.
3. Chagdes, J.R., Liddy<sup>G</sup>, J.J., Arnold<sup>G</sup>, A.J., **Claxton, L.J.**, & Haddad, J.M. (2020). A mathematical model to examine issues associated with using portable force-measurement technologies to collect infant postural data. *Journal of Motor Learning and Development*, 8(1), 14-37.
4. Arnold<sup>G</sup>, A.J., Liddy<sup>G</sup>, J.J., Harris<sup>G</sup>, R.C., & **Claxton, L.J.** (2020). Task-Specific Adaptations of Postural Sway in Sitting Infants. *Developmental Psychobiology*, 62(1), 99-106.
5. Durcharme<sup>G</sup>, S., Liddy<sup>G</sup>, J., Haddad, J.M., Busa, M., **Claxton, L.J.**, & van Emmerik, R. (2018). Association between stride time fractality and gait adaptability during unperturbed and asymmetric walking. *Human Movement Science*, 58, 248-259.
6. Arnold<sup>G</sup>, A.J., & **Claxton, L.J.** (2017). To drop or not to drop: Newly standing infants maintain hold of objects when experiencing a loss of balance. *Journal of Motor Learning and Development*, 5(2), 181-192.
7. Liddy<sup>G</sup>, J.J., Zelaznik, H., Huber, J.E., Rietdyk, S., **Claxton, L.J.**, Samuel, A., & Haddad, J.M. (2017). The Efficacy of the Microsoft Kinect to Assess Human Bimanual Coordination. *Behavior Research Methods*, 49(3), 1030-1047.
8. O'Brien<sup>G</sup>, K.M., Zhang<sup>U</sup>, J., Walley<sup>U</sup>, P.R., Rhoads, J.F., Haddad, J.M., and **Claxton, L.J.** (2015). A model to investigate the mechanisms underlying the emergence and development of independent sitting. *Developmental Science*, 18(4), 622-634.
9. Carlson, S.M., **Claxton, L.J.**, and Moses, L.J. (2015). The relation between executive function and theory of mind is more than skin deep. *Journal of Cognition and Development*, 16, 186-197.
10. Melzer, D.K. and **Claxton, L.J.** (2014). Do actions speak louder than knowledge? Action manipulation, parental discourse, and children's mental state understanding in pretense. *Journal of Experimental Child Psychology*, 128, 21-36.
11. **Claxton, L.J.**, Strasser<sup>U</sup>, J.M., Leung<sup>U</sup>, E.J., Ryu<sup>G</sup>, J.H., and O'Brien<sup>G</sup>, K.M. (2014). Sitting infants alter the magnitude and structure of postural sway when performing a manual goal-directed task. *Developmental Psychobiology*, 56(6), 1416-1422.
12. **Claxton, L.J.**, Haddad, J.M., Ponto<sup>U</sup>, K., Ryu<sup>G</sup>, J.H., and Newcomer, S. (2013). Newly standing infants increase postural stability when performing a supra-postural task. *PLoS ONE* 8(8): e71288. doi:10.1371/journal.pone.0071288.
13. Haddad, J.M., **Claxton, L.J.**, Melzer, D.K., Hamill, J., and Van Emmerik, R. (2013). Developmental changes in postural stability during the performance of a precision manual task. *Journal of Motor Learning and Development*, 1(1), 12-19.
14. Haddad, J.M., Rietdyk, S., **Claxton, L.J.**, and Huber, J.E. (2013). Task-dependent postural control throughout the lifespan. *Exercise and Sport Sciences Reviews*, 41(2), 123-132.
15. **Claxton, L.J.** and Ponto<sup>U</sup>, K. (2013). Understanding the properties of interactive televised characters. *Journal of Applied Developmental Psychology*, 34(2), 57-62.
16. **Claxton, L.J.**, Melzer, D.K., Ryu<sup>G</sup>, J.H., & Haddad, J.M. (2012). The control of posture in newly standing infants is task dependent. *Journal of Experimental Child Psychology*, 113, 159-165.
17. Haddad, J.M., Rietdyk, S., & **Claxton, L.J.** (2012). Exercise training to improve independence and quality of life in impaired individuals: A commentary on Li and Hondzinski's "Reversal of movement dysfunction due to peripheral neuropathy with exercise modalities". *Exercise and Sports Science Reviews*, 40(3), 117.
18. Haddad, J.M., **Claxton, L.J.**, Keen, R., Berthier, N., Riccio, G.E., Hamill, J., & Van Emmerik, R. (2012). Development of the coordination between posture and manual control. *Journal of Experimental Child Psychology*, 111, 286-298.
19. **Claxton, L.J.** (2011). An investigation of preschoolers' misattributions of the properties of two-dimensional images: Understanding the relationship between a symbol and its referent. *Infant and Child Development*, 20, 301-312.
20. **Claxton, L.J.**, McCarty, M.E., & Keen, R. (2009). Self-directed action affects planning in tool-use tasks with toddlers. *Infant Behavior and Development*, 32, 230-233.
21. Carlson, S.M., Moses, L.J., & **Claxton, L.J.** (2004). Individual differences in executive functioning and theory of mind: An investigation of inhibitory control and planning. *Journal of Experimental Child Psychology*, 87, 299-319.

22. **Claxton, L.J.**, Keen, R., & McCarty, M.E. (2003). Evidence of motor planning in infant reaching behavior. *Psychological Science*, 14, 354-356.

### Invited Book Chapters

Graduate student<sup>G</sup>; Undergraduate Student<sup>U</sup>

1. Templin, T.J., Rietdyk, S., **Claxton, L.J.**, and Savage<sup>G</sup>, M. (2014). Kate: Recognising and addressing Developmental Coordination Disorder. In Armour, K (Ed.), *Pedagogical Cases in Sport, Exercise, and Movement*. London: Routledge.

### Conference Presentations

Graduate student<sup>G</sup>; Undergraduate Student<sup>U</sup>

1. Halpern, E.R., MacFeeley, K., Heirly, L., Misovich, M., West, C.P., Patra, S.S., Magnuson, B.H., Boor, B.E., Thompson<sup>G</sup>, P.A., **Claxton, L.J.**, Herzberg, O., Kalvey, M., Adolph, K.E., & Laskin, A. (2023, October). *Chemical and Toxicant Analysis of House Dust in Urban Versus Suburban Areas*. American Association for Aerosol Research, Portland, Oregon. Oral presentation.
2. Patra, S.S., Magnuson, B.H., Gomes, I.L.M., Ajala, L.B., Thompson<sup>G</sup>, P.A., Herzberg, O., Kalvey, M., Halpern, E.R., Laskin, A., **Claxton, L.J.**, Adolph, K.E., & Boor, B.E. (2023, October). *Variability in Indoor Dust Surface Concentrations and Size Distributions Among Urban and Suburban Homes in the U.S.* American Association for Aerosol Research, Portland, Oregon. Oral presentation.
3. Boor, B.E., Laskin, A., Adolph, K.E., **Claxton, L.J.**, Patra, S.S., Halpern, E.R., Thompson<sup>G</sup>, P.A., Herzberg, O., Kalvey, M., & Magnuson, B.H. (2023, August). *Developmental, Behavioral, and Environmental Determinants of Infant Dust Ingestion*. International Society of Exposure Science, Chicago, Illinois. Oral Presentation in a Symposium.
4. Arnold<sup>G</sup>, A.J., Kelly, L.C., & **Claxton, L.J.** (2023, June). *Examining Free-Play Postures During the Second Year of Life*. North American Society for the Psychology of Sport and Physical Activity, Toronto, Ontario, Canada. Oral Presentation.
5. Thompson<sup>G</sup>, P.A., Shalit<sup>U</sup>, E.C., DeJoan<sup>U</sup>, A.E., Nicholson<sup>U</sup>, O.G., Kornelik<sup>U</sup>, F.M., Frame<sup>U</sup>, R.L., Arnold<sup>G</sup>, A.J., & **Claxton, L.J.** (2023, March). *Caregiver and Infant Reactions to Falls with Objects in a Free-Play Setting*. Society for Research in Child Development, Salt Lake City, Utah. Poster Presentation.
6. Thompson<sup>G</sup>, P.A., Shalit<sup>U</sup>, E.C., Arnold<sup>G</sup>, A.J., & **Claxton, L.J.** (2023, March). *The Role of Object Carriage on Fall Recovery Strategies in 13-month-old Infants*. Society for Research in Child Development, Salt Lake City, Utah. Poster Presentation.
7. Thompson<sup>G</sup>, P.A., DeJoan<sup>U</sup>, A.E., Shalit<sup>U</sup>, E.C., Nicholson<sup>U</sup>, O.G., Arnold, A.J., Ambike, S., & **Claxton, L.J.** (2022, July). *Impact of Toy Characteristics and Posture on Bimanual Object Interactions in Infancy*. International Congress of Infant Studies, Ottawa, Ontario, Canada. Poster Presentation.
8. Thompson<sup>G</sup>, P.A., Shalit<sup>U</sup>, E.C., DeJoan<sup>U</sup>, A.E., Kornelik<sup>U</sup>, F.M., Nicholson<sup>U</sup>, O.G., Arnold, A.J., Ambike, S., & **Claxton, L.J.** (2022, May). *Evidence of Role Differentiated Bimanual Manipulation in Infants During Free-Play*. North American Society for the Psychology of Sport and Physical Activity, Waikoloa Beach, Hawaii. Podium.
9. Thompson<sup>G</sup>, P.A., Cooper<sup>U</sup>, A., **Claxton, L.J.**, & Ambike, S. (2020, August). *Structure of Variance in Finger Forces Changes with Uncertainty in Force Tracking Tasks*. American Society of Biomechanics, Virtual Conference due to COVID-19 pandemic. Poster Presentation.
10. **Claxton, L.J.**, Arnold, A.J., Steins<sup>U</sup>, M.J., & DeJoan<sup>U</sup>, A.E. (2020, June). *Object Transportation in Crawling Infants*. North American Society for the Psychology of Sport and Physical Activity, Virtual Conference due to COVID-19 pandemic. YouTube Verbal Presentation.
11. **Claxton, L.J.**, Arnold, A.J., Shalit<sup>U</sup>, E.C., & Martin<sup>U</sup>, K.A. (2020, June). *The Relationship Between Carrying Objects and Falls in 13-month-old Infants*. North American Society for the Psychology of Sport and Physical Activity, Virtual Conference due to COVID-19 pandemic. YouTube Verbal Presentation.
12. Rooney<sup>G</sup>, L.J., & **Claxton, L.J.** (2019, June). *The Relation Between Fine Motor Skills and Executive Functions in 2-year-old Children*. North American Society for the Psychology of Sport and Physical Activity, Baltimore, Maryland. Podium.
13. Arnold<sup>G</sup>, A.J., Rance<sup>U</sup>, K.J., & **Claxton, L.J.** (2018, July). *Do Infants and Toddlers Demonstrate a Preference Toward Size or Weight when Selecting Toys to Carrying During Free-Play?* Presented at the International Congress of Infant Studies, Philadelphia, Pennsylvania. Poster.
14. Arnold<sup>G</sup>, A.J., & **Claxton, L.J.** (2018, July). *Is Toy Carriage During Walking Related to Language Ability?* Presented at the International Congress of Infant Studies, Philadelphia, Pennsylvania. Poster.
15. Arnold<sup>G</sup>, A.J., Harris<sup>G</sup>, R.C., Liddy<sup>G</sup>, J.J., Schwichtenberg, A.J., & **Claxton, L.J.** (2017, June). *Sitting*

- Postural Sway of 12-month-old Infants at Low and High Risk of Autism Spectrum Disorder.* North American Society for the Psychology of Sport and Physical Activity, San Diego, California. Podium.
16. Melzer, D.M & **Claxton, L.J.** (2017, April). *The Relationship Between Cognition and Action in At-risk Preschool Children.* Society for Research in Child Development, Austin, Texas. Poster.
  17. Ducharme<sup>©</sup>, S.W., Liddy<sup>©</sup>, J.J., Haddad, J.M., Busa, M.A., **Claxton, L.J.**, & van Emmerik, R.E.A. (2016, June). *Fractal dynamics and gait adaptability during asymmetrical walking.* North American Society for the Psychology of Sport and Physical Activity Conference, Montreal, Canada. Podium.
  18. Liddy<sup>©</sup>, J.J., Chagdes, J.R., Arnold<sup>©</sup>, A.J., **Claxton, L.J.**, & Haddad, J.M. (2016, June). *Postural sway inaccuracies using the Wii Balance Board: A mathematical description.* North American Society for the Psychology of Sport and Physical Activity Conference, Montreal, Canada. Podium.
  19. Arnold<sup>©</sup>, A.J., Harris<sup>©</sup>, R.C., Liddy<sup>©</sup>, J.J., Schwichtenberg, A.J., **Claxton L.J.** (2016, May). *Impact of surface stability on sitting postural sway in 15-month-old infants at low- and high-risk of ASD.* International Conference of Infant Studies, New Orleans, LA. Poster.
  20. Arnold<sup>©</sup>, A. J., Collignon<sup>U</sup>, A., Gaona<sup>U</sup>, P., Sheets<sup>U</sup>, R., Smith<sup>U</sup>, S., and **Claxton, L. J.** (2015, June). *Evidence of object prioritization in infancy.* Verbal presentation to be given at the North American Society for the Psychology of Sport and Physical Activity Conference, Portland, OR.
  21. Arnold<sup>©</sup>, A. J., Collignon<sup>U</sup>, A., Gaona<sup>U</sup>, P., Sheets<sup>U</sup>, R., Smith<sup>U</sup>, S., and **Claxton, L. J.** (2015, June). *The impact of holding a toy on arm guard position in newly standing infants.* Verbal presentation to be given at the North American Society for the Psychology of Sport and Physical Activity Conference, Portland, OR.
  22. Arnold<sup>©</sup>, A. J., Harris<sup>©</sup>, R. C., Liddy<sup>©</sup>, J. J., and **Claxton, L. J.** (2015, June). *Postural sway of sitting infants on solid and foam surfaces while engaged in concurrent tasks.* Poster to be presented at the North American Society for the Psychology of Sport and Physical Activity Conference, Portland, OR.
  23. Liddy<sup>©</sup>, J.J., Haddad, J.M., Huber, J.E., **Claxton, L.J.**, Rietdyk, S., and Zelaznik, H. (2015, June). *Assessing bimanual coordination with the Microsoft Kinect.* Verbal presentation to be given at the North American Society for the Psychology of Sport and Physical Activity Conference, Portland, OR.
  24. Harris<sup>©</sup>, R.C., Liddy<sup>©</sup>, J.J., and **Claxton, L.J.** (2014, September). *Validation of the Wii Balance Board as a Device to Assess Postural Sway in Sitting Infants.* Poster presented at the Society for Research in Child Development, Special Topics Meeting: Developmental Methodology, San Diego, California.
  25. **Claxton, L.J.**, Strasser<sup>U</sup>, J., Leung<sup>U</sup>, E., O'Brien<sup>©</sup>, K., and Ryu<sup>©</sup>, J.H. (2013, June). *Changes in the Postural Dynamics of Sitting Infants as They Perform a Concurrent Task.* Verbal presentation given at the North American Society for the Psychology of Sport and Physical Activity, New Orleans, Louisiana.
  26. **Claxton, L.J.**, Strasser<sup>U</sup>, J., Leung<sup>U</sup>, E., Ryu<sup>©</sup>, J.H., and O'Brien<sup>©</sup>, K. (2013, April). *Sitting Infants Increase Stability When Engaged in a Supra-postural Task.* Poster presented at the Society for Research in Child Development, Seattle, Washington.
  27. **Claxton, L.J.**, Leung<sup>U</sup>, E., Strasser<sup>U</sup>, J., O'Brien<sup>©</sup>, K., and Ryu<sup>©</sup>, J.H. (2013, April). *Sitting Infants Reduce Sway Velocity in Response to Visual Task-Demands.* Poster presented at the Society for Research in Child Development, Seattle, Washington.
  28. **Claxton, L.J.**, Strasser<sup>U</sup>, J., Leung<sup>U</sup>, E., & Carlson, S.M. (2012, June). *Individual differences in the development of executive functioning and motor control in preschool-aged children.* Verbal presentation given at the annual meeting of the North American Society for the Psychology of Sport and Physical Activity, Honolulu, Hawaii.
  29. **Claxton, L.J.**, Strasser<sup>U</sup>, J., Leung<sup>U</sup>, E., & Ryu<sup>©</sup>, J.H. (2012, June). *Newly standing infants adapt postural sway when engaging in a visually-demanding supra-postural task.* Verbal presentation given at the annual meeting of the North American Society for the Psychology of Sport and Physical Activity, Honolulu, Hawaii, symposium "Life-span changes in the integration of posture with other goal-directed behaviors".
  30. O'Brien<sup>©</sup>, K., Rhoads, J., Haddad, J.M., & **Claxton, L.J.** (2012, June). *A mathematical model to explore the mechanisms underlying the development of independent sitting in infants.* Verbal presentation given at the annual meeting of the North American Society for the Psychology of Sport and Physical Activity, Honolulu, Hawaii.
  31. **Claxton, L.J.** (2011, October). *Understanding the properties of interactive cartoon characters.* Poster presented at the biennial meeting of the Cognitive Development Society, Philadelphia, Pennsylvania.
  32. **Claxton, L.J.**, Haddad, J.M., Ryu<sup>©</sup>, J.H., Ponto<sup>U</sup>, K., & Newcomer, S. (2011, June). *Newly standing infants exhibit more complex center of pressure patterns when engaging in a supra-postural task.* Talk given at the annual meeting of the North American Society for the Psychology of Sport and Physical Activity, Burlington, Vermont.
  33. **Claxton, L.J.**, Witt, J.K., Ryu<sup>©</sup>, J.H., & Haddad, J.M. (2011, June). *Anticipation in the dorsal stream.* Poster presented at the annual meeting of the North American Society for the Psychology of Sport and Physical Activity, Burlington, Vermont.

34. **Claxton, L.J.**, Haddad, J.M., Ponto<sup>U</sup>, K., Ryu<sup>G</sup>, J.H., & Newcomer, S. (2011, March). *Look I can stand: The balance of newly standing infants may be better than it appears*. Poster presented at the biennial meeting of the Society for Research in Child Development, Montreal, Canada.
35. **Claxton, L.J.**, Witt, J., Haddad, J.M., Ryu<sup>G</sup>, J.H., & Ponto<sup>U</sup>, K. (2010, June). *The dorsal stream anticipates future actions*. Poster presented at the annual meeting of the North American Society for the Psychology of Sport and Physical Activity, Tucson, Arizona.
36. **Claxton, L.J.** & Ponto<sup>U</sup>, K. (2009, October). *Preschoolers' use of live and televised individuals as sources of information about the real world*. Poster presented at the biennial meeting of the Cognitive Development Society, San Antonio, Texas.
37. **Claxton, L.J.**, & Daehler, M. W. (2007, March). *Can you see me? Preschoolers' interactions with televised versus live actors*. Poster presented at the biennial meeting of the Society for Research in Child Development, Boston, Massachusetts.
38. **Claxton, L.J.**, & Daehler, M. W. (2007, March). *Real or pictures: Understanding the properties of televised objects*. Poster presented at the biennial meeting of the Society for Research in Child Development, Boston, Massachusetts.
39. **Claxton, L. J.**, Haddad, J. M., & Keen, R. (2005, October). *Motor planning in infants when reaching for objects at varying distances*. Poster presented at the biennial meeting of the Cognitive Development Society, San Diego, California.
40. Haddad, J. M., **Claxton, L. J.**, & Keen, R. (2005, April). *Reaching beyond arms' length: The development of trunk and arm coordination in one-year-old children*. Poster presented at the biennial meeting of the Society for Research in Child Development, Atlanta, Georgia.
41. **Claxton, L.J.**, McCarty, M.E., & Clifton, R.K. (2002, April). *Cognitive effects on the kinematics of infant reaching behavior*. Poster presented at the biennial meeting of the International Conference on Infant Studies, Toronto, Canada.
42. McCarty, M. E., **Claxton, L. J.**, & Clifton, R. K. (2001, April). *Planning action directed toward self versus object*. Poster presented at the biennial meeting of the Society for Research in Child Development, Minneapolis, MN.

#### **Professional Affiliations**

Society for Research in Child Development  
 Cognitive Development Society  
 International Congress of Infant Studies  
 North American Society for the Psychology of Sport and Physical Activity

#### **Invited Scholarly Lectures/Presentations**

1. *Developmental, behavioral, and environmental determinants of infant dust ingestion*. Environmental Protection Agency. Research Triangle Park, North Carolina. December 14<sup>th</sup>, 2022.
2. *Finding balance: The relation between postural control and object interaction in infancy*. Department of Human Development and Family Studies Seminar. Purdue University. February 19, 2021.
3. *The developmental integration between posture and other goal-directed behaviors*. Human Movement Department. School of Medicine. Universidad Nacional De Colombia (National University of Colombia). Bogotá, Colombia. May 23, 2018.
4. Invited keynote speaker for internal international conference: Executive Function and Child Development. *Executive functioning ability and motor abilities in typically developing preschoolers*. Department of Human Movement. School of Medicine. Universidad Nacional De Colombia (National University of Colombia). Bogotá, Colombia. May 21, 2018.
5. Invited talk for internal international conference: Executive Function and Child Development. *Executive functioning ability and motor abilities in at-risk preschoolers*. Department of Human Movement. School of Medicine. Universidad Nacional De Colombia (National University of Colombia). Bogotá, Colombia. May 21, 2018.
6. Invited talk for internal international conference: Executive Function and Child Development. *Executive function and motor abilities in toddlers*. Department of Human Movement. School of Medicine. Universidad Nacional De Colombia (National University of Colombia). Bogotá, Colombia. May 21, 2018.
7. *The developmental integration between posture and other goal-directed behaviors*. Department of Human Development and Family Studies Seminar. Purdue University. November 8, 2013.
8. *The developmental integration between posture and other goal-directed behaviors*. Cognition-Action-Perception Seminar. Department of Psychology. University of Cincinnati. Cincinnati, OH. October 25, 2013.

**Reviewing Activities****Research Granting Agencies (ad-hoc)**

Ad-hoc external reviewer for NSF Developmental Sciences

Ad-hoc external reviewer for NSERC (National Sciences and Engineering Research Council of Canada) Discovery Grant proposal

Ad-hoc external reviewer for NSF Developmental & Learning Sciences/CRI program

**Journal Reviewer (ad-hoc)**

*Child Development, Child Development Perspectives, Cognitive Development, Computer Methods and Programs in Biomedicine, Developmental Medicine and Child Neurology, Developmental Psychobiology, Developmental Psychology, Developmental Science, Experimental Brain Research, Human Movement Science, Infancy, Infant and Child Development, Gait and Posture, Journal of Experimental Child Psychology, Journal of Motor Behavior, Journal of Motor Learning and Development, Journal of Neurophysiology, Journal of Science and Medicine in Sport, Journal of Sport and Exercise Psychology, PLOS One, Physical Therapy, Psychological Science*

**Teaching****Courses Taught at Purdue University (Fall 2008 to present)**

HK 253 Principles of Motor Development

HK 453 Motor Coordination and Development

HK 490 Motor Development Research I

HK 490 Motor Development Research II

HK 490 Motor Development Research III

HK 490 Advanced Infant Motor Development Research

HK 496 Independent Inquiry in Movement and Sport Sciences

HK 590 Independent Inquiry in Motor Development

HK 590 Motor, Cognitive, and Perceptual Development

HK 590 Infant Gait

HK 600 Individual Research in Motor Development

HK 670 Advanced Topics in Motor Control

**Graduate Student Mentoring****Dissertation Committee Chair**

Paige Thompson (in progress). Department of Health and Kinesiology.

Amanda Arnold (August 2019). Department of Health and Kinesiology. *The Impact of Object Carriage on Walking Abilities and Language Development in Infancy.*

A.Nicole Blaize (Co-Chair with Dr. Sean Newcomer, August 2014). Department of Health and Kinesiology. *The Impact of Maternal Exercise during Pregnancy on Offspring Cardiovascular Health in Rodent and Swine Offspring.*

Martin Bahls (Co-Chair with Dr. Sean Newcomer, May 2013). Department of Health and Kinesiology. *The Effect of Maternal Exercise during Pregnancy on Offspring Vascular Function in Swine.*

**Master's Thesis Committee Chair**

Julia Hack (in progress). Department of Health and Kinesiology.

Paige Thompson (Co-Chair Dr. Satya Ambike, May 2021). Department of Health and Kinesiology. *Stability Modulation in Finger-Force Production Tasks.*

Lucas Rooney (December 2019). Department of Health and Kinesiology. *The Relationship Between Executive Function and Motor Skills in 2-year-old Children.*

Rachel Harris (December 2014). Department of Health and Kinesiology. *Postural Sway in Infants at Low and High Risk for Autism Spectrum Disorder.*

Hanh Pham (August 2013). Department of Health and Kinesiology. *The Relationship between Visual Task Demands and Postural Stability in Infancy.*

Kathleen O'Brien (May 2013). Department of Health and Kinesiology. *The Postural Dynamics of Sitting Infants.*

**Dissertation Committee Member**

Irem Korucu (December 2018). Human Development and Family Studies. *Pathways to Early School Success: Exploring the Individual and Collective Contributions of Contextual Factors and School Readiness Skills.*

Fatimah Rashad (May 2011). Psychological Sciences. *Television and the Early Word Learner.*

**Master's Thesis Committee Member**

- Nathan Romine (August 2017). Department of Health and Kinesiology. *Diverted Gaze in Obstacle Crossing*.
- Samuel Pontecorvo (August 2015). Department of Health and Kinesiology. *Gaze Behavior During Adaptive Gait*.
- Josh Liddy (August 2014). Department of Health and Kinesiology. *Using the Microsoft Kinect to Assess Human Coordination*.
- S. Rajasekaran (May 2014). Department of Computer Graphics Technology. *Senescence: An Aging Based Character Simulation Framework*.
- Brittney Muir (August 2011). Department of Health and Kinesiology. *Improving Gait Characteristics in Older Adults: The Effects of Biodex Balance System SD and Wobble Board Balance Training*.
- Jessica Seaman (August 2011). Department of Health and Kinesiology. *The Development of Two- and Four-Limb Coordination During Middle to Late Childhood*.
- Diana Sitar (April 2010). Department of Health and Kinesiology. *Effects of Upright Posture on Upper and Lower Extremity Endothelial Function*.
- Leigh Schanfein (August 2009). Department of Health and Kinesiology. *The Use of Self-Motion Feedback for Balance Control in Younger and Older Dancers*.

**Committee Involvement****Editorial Boards**

2023-present Member, Editorial Board for the Journal of Motor Learning and Development

**Professional Organizations****North American Society for the Psychology of Sport and Physical Activity (NASPSPA)**

- 2020-2022 Secretary-Treasurer, Board of Directors
- 2018-2019 Chair, Motor Development Program Committee for the 2019 Conference
- 2017-2018 Member, Motor Development Program Committee for the 2018 Conference

**International Congress of Infant Studies (ICIS)**

- 2022-2023 Member, Motor and Sensorimotor Processes Review Panel for the 2023 Conference
- 2021-2022 Co-Chair, Review Panel - Motor and Sensorimotor Processes for the 2022 Conference
- 2011-2012 Member, Motor and Sensorimotor Processes Review Panel for the 2012 Conference

**Society for Research in Child Development (SRCD)**

- 2019 Member, Mentor-Student (A. Arnold) review pair, Perceptual, Sensory, and Motor Review Panel for the 2019 conference
- 2015 Member, Perceptual, Sensory, and Motor Review Panel for the 2015 conference
- 2013 Member, Infancy: Neurodevelopmental, Cognitive, Motor, and Perceptual Processes Review Panel for 2013 conference

**Purdue University Committees**

- Fall 2017-Spring 2023 Member, University Resources Policy Committee
- Fall 2017-Spring 2023 Member, University Senate
- Fall 2019-Fall 2020 Member, Learning Management System (LMS) System-Wide Steering Committee
- Spring 2020 Judge, Sigma Xi graduate student/post-doc poster competition
- Spring 2019 Judge, Undergraduate Research Conference, Morning and Afternoon Poster Sessions
- Spring 2019 Lead Judge for "Other: Human Behavioral Sciences" category, Health and Disease: Science, Technology, Culture, and Policy Research Poster Session
- Spring 2019 Judge, Sigma Xi graduate student/post-doc poster competition
- Spring 2018 Judge, Undergraduate Research Conference
- Spring 2018 Judge, Health and Disease: Science, Technology, Culture, and Policy Research Poster Session (Other category) March 1<sup>st</sup>, 2018
- Spring 2018 Judge, Sigma Xi graduate student/post-doc poster competition
- Spring 2017 Judge, Health and Disease: Science, Technology, Culture, and Policy Research Poster Session (Other category)
- Spring 2017 Judge, Undergraduate Research and Poster Symposium
- Spring 2017 Judge, Sigma Xi graduate student/post-doc poster competition
- Spring 2016 Judge, Undergraduate Research and Poster Symposium
- Spring 2016 Judge, Sigma Xi graduate student/ post-doc poster competition

Fall 2014	Howard Hughes Medical Institute – International Student Research Fellowship Reviewer (ranked and reviewed 9 applications)
Spring 2014	Judge, Sigma Xi graduate student poster competition
Fall 2012	Howard Hughes Medical Institute – International Student Research Fellowship Reviewer (ranked and reviewed 11 applications)
Spring 2012	Chappelle Fellowship Reviewer (ranked and reviewed 21 applications)
Spring 2011	Chappelle Fellowship Reviewer (ranked and reviewed 21 applications)

### **College of Health and Human Sciences Committees**

Fall 2019-Spring 2021	Member, HHS Undergraduate Honors Scholars Program (HHS REACH Scholars) Leadership Team
Fall 2017-Spring 2019	Chair, HHS Agenda Committee
Fall 2014-Spring 2019	Member, HHS Faculty Affairs Committee (FAC)
Fall 2014-Spring 2016	Member, HHS FAC Faculty Mentoring Subcommittee
Spring 2012	Judge, HHS Chronic Disease Poster Session Competition
Spring 2010	Member, Reading Committee for CLA Honors Program Colloquium
Spring 2009	Interim Senator, CLA Senate

### **Department of Health and Kinesiology Committees**

Fall 2023-Spring 2024	Member, Department Scholarship and Awards Committee
Fall 2023-Spring 2024	Member, Search Committee for HK Department Head Job Hire
Spring 2020	Member, Department Awards and Scholarship Committee
Fall 2019-Spring 2021	Member, Search Committee for HK Rehabilitation and Regenerative Science Job Hire
Fall 2017-Spring 2018	Member, Search Committee for HK Sport & Exercise Psychology Job Hire
Fall 2016-Spring 2017	Organized the Departmental Colloquia Series
Spring 2015 to present	Member, Graduate Committee
Spring 2014	Member, Corrigan Grant/ Hanson Award Committee
Spring 2014	Member, Bilisland Dissertation Fellowship Review Committee
2013-2014	Member, HK website design committee
Spring 2013	Chair, Corrigan Grant/ Hanson Award Committee
Spring 2013	Member, HHS Outstanding Senior for HK award committee
Spring 2012	Member, Shrader Undergraduate Travel Support Award Committee
Spring 2012	Member, Bilisland Fellowship Award Committee
Spring 2011	Chair, Corrigan Grant/ Hanson Award Committee
Fall 2010	Member, Corrigan Grant Award Committee
Spring 2010	Member, HK Service Award Committee
2009 - 2010	Member, Qualifying Exam Committee (ad hoc)